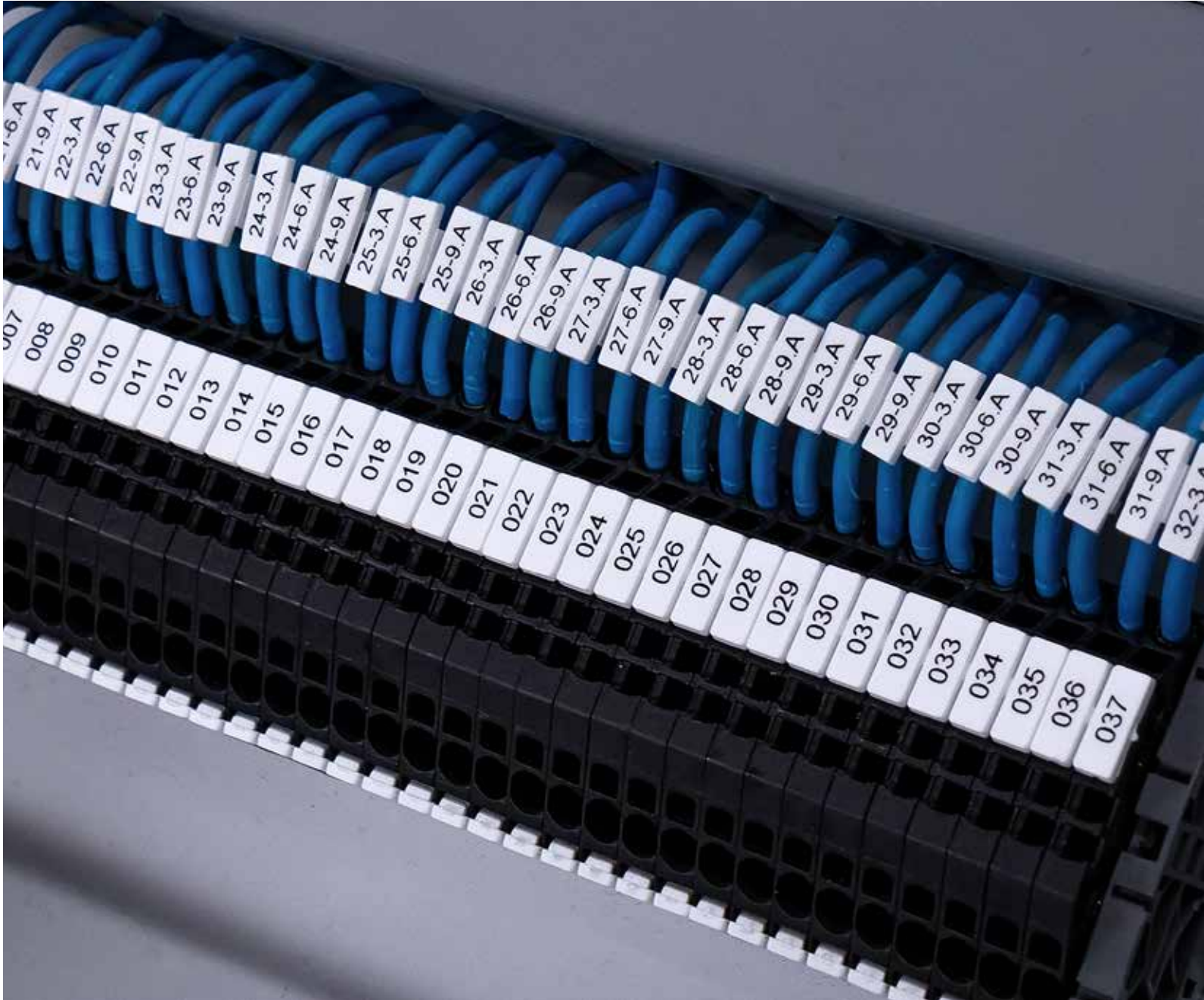




**CEMBRE**

# IDENTIFICATION & LABELLING SYSTEMS



IDENTIFICATION & LABELLING SYSTEMS

# CEMBRE AT A GLANCE

## INNOVATION IS IN OUR DNA



**276**  
Patents and  
filled applications

**122**  
Registered  
trademarks  
in 27 States

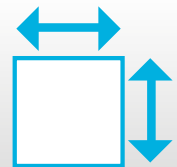


## MAIN MANUFACTURING SITE, ITALY



**60.000**  
m<sup>2</sup> of space  
dedicated to offices,  
factories, laboratories

**121.000**  
m<sup>2</sup> of site



## OUR PRODUCT CODES



**17.995**  
different product codes  
sold each year

**19.515**  
product codes are  
available for  
immediate despatch



## AUTOMATED WAREHOUSE



**60.000**  
bins capacity

**10.000**  
order lines  
per working day



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## LABELS

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	All CEMBRE products comply with Directive 2011/65/EU of the European Parliament and Council dated 8 June 2011 (and subsequent amendment)
	Meets the requirements for fire testing of materials and components for trains EN 45545-2:2015
	Halogen Free
	Silicon Free
	MIN. Operating temperature range
	MAX. Operating temperature range
	Approved UL 969
	Approved UL 969 CSA C22.2 No.0.15

	<b>Material:</b> Flat - 0,5 mm
	<b>Material:</b> Polyvinyl Chloride
	<b>Material:</b> Plasticised Polyvinyl Chloride
	<b>Material:</b> Polycarbonate
	<b>Material:</b> Polycarbonate/Acrylonitrile-Butadiene-Styrene
	<b>Material:</b> Acrylonitrile-Butadiene-Styrene
	<b>Material:</b> Styrene-Butadiene-Styrene
	<b>Material:</b> Cotton Fabric Coated with Acrylic
	<b>Material:</b> High-Density Polyethylene
	<b>Material:</b> Thermoplastic Polyurethane
	<b>Material:</b> Irradiated Polyolefin
	<b>Material:</b> Stainless Steel AISI
	<b>Material:</b> Polyamide 6.6
	<b>Material:</b> Polypropylene
	<b>Material:</b> Polyoxymethylene
	<b>Material:</b> Ethylene-Vinyl Acetate
	<b>Material:</b> Polystyrene
	<b>Material:</b> Polyethylene Terephthalate
	<b>Material:</b> Aluminium
	Thickness (mm) of Material

## Identification and labelling systems

CEMBRE offers a number of innovative solutions to meet demands for high performance and reliability in the industrial and manufacturing sectors.



### THERMAL TRANSFER SHEET PRINTER MARKINGENIUS®

The revolution in identification systems, MARKINGENIUS®MG4 is a high speed flat bed printer using thermal transfer technology to produce identification and labelling media for cables and tubing, panel building components and equipment of all types.

Windows® based, the high resolution MARKINGENIUS®MG4 prints monocolour True Type fonts, while also reproducing Clipart images, drawings and bitmaps down to very small dimensions.



### THERMAL TRANSFER ROLL PRINTER ROLLY3000

ROLLY3000 is designed for high speed printing of identification and labelling media in roll format.

Thermal transfer print quality matched with robust construction and intensive CEMBRE reliability allow ROLLY3000 to print 4000 cable tags in less than two minutes.

ROLLY3000 is equipped to print TERMO-ROLL heat shrinkable tubing in continuous or ladder format at high speed and with the precision and quality of print required to meet the most stringent standards.

### MANUAL SYSTEM

Provides simple solutions for the identification of cables and electrical components with four families of products:

- *push in cable markers- individual characters are collected in order on the insertion tool, then pushed into the transparent holder mounted on the cable.*
- *push on ring markers and flat tie on holder markers used directly on cables, tubing and conduits.*
- *snap on cable markers which can be fitted even after cables are terminated and connected.*
- *push-on cable markers pre-printed essential for marking the optical fiber to the completed wiring.*
- *wraparound self laminating cable markers available for a wide range of diameters and may be hand printed then attached at any time. Ideal for applications requiring the print to be protected.*



### LABELS

Warning, prohibition and mandatory signs, on A4 sheets.

# HOW TO MARK

How to mark

## MODULAR COMPONENTS

legends  
labels  
brand-specific legends  
mounting rails



## PANEL INTERIORS



## TERMINAL BLOCKS

widest brand suitability  
pitched and single markers  
marker strips  
marker labels



## COMPONENTS & EQUIPMENT

PLC legends  
rail mounted legends  
brand-specific legends  
dog tags  
rating plates and labels  
security labels

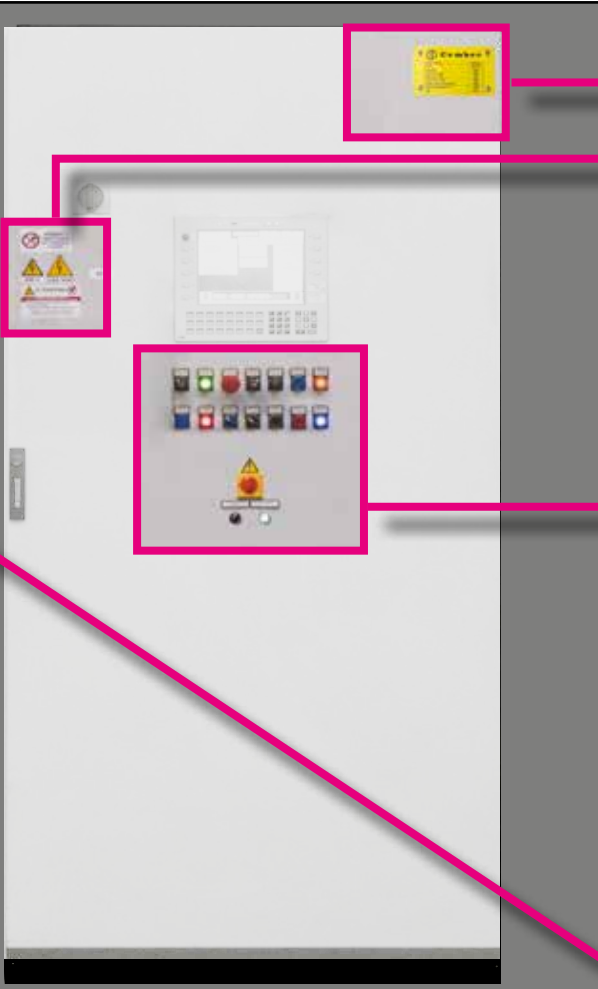


## SINGLE CABLES

cable tags for holders  
one piece push or clip-on cable tags  
wraparound cable markers  
heat shrinkable tubing  
push in markers  
ring cable markers  
wraparound strips  
snap on markers



## PANEL EXTERIORS



## PLATES & LABELS



- self adhesive panel plates
- panel plates with covers
- self adhesive component legends
- modular component legends for rails
- self adhesive labels
- security labels
- panel legends
- document holders

## PUSH BUTTONS & INDICATORS



- self adhesive legends
- legends for push button bases
- brand-specific legends
- push button legends
- panel legends
- self adhesive labels

## CONNECTORS



- self adhesive legends & labels

## CONDUITS, PIPES & MULTI-CORE












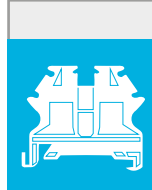























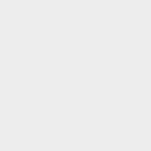


- tie-on cable and conduit tags
- wraparound cable markers
- heat shrinkable tubing

# HOW TO MARK

How to mark

PRODUCT PAGE

SINGLE CABLES	CONDUITS PIPES MULTI-CORE		TERMINAL BLOCKS	PUSH-BUTTONS SWITCHES	COMPONENTS EQUIPMENT		
 <p>MG-TPMF 14</p>  <p>PMF 122</p> <p>MG-TPM 15</p>  <p>PM 129</p> <p>MG-TDM 16</p>  <p>MG-TDMO 17</p>  <p>MG-KMP 20</p> 	 <p>MG-TPMF 14</p>  <p>PMF-ET 126</p> <p>MG-TAPW 32</p>  <p>PMT-ET 126</p> <p>MG-ETF 18</p> <p>CABLE TIES 135</p>	<p>MG-TPM 15</p>  <p>PM-ET 133</p> <p>MG-TAP 32</p>  <p>PMF-ET 126</p>	 <p>MG-CPM 21</p>  <p>MG-CPMF 24</p>  <p>MG-VYB 25</p>	 <p>MG-PTS 27</p>  <p>MG-TAA 36</p>  <p>MG-TAP 29</p>  <p>PTP 140</p> <p>MG-TAP 29</p>  <p>PL 141</p> <p>MG-VYT 38</p> 	 <p>MG-TPMF 14</p>  <p>PMF-AC 125</p> <p>MG-TAR 33</p>  <p>MG-PLC 42</p>  <p>MG-DOG 34</p>  <p>MG-VCT 41</p>	<p>MG-TPM 15</p>  <p>PM-AC 132</p> <p>MG-TAA 36</p>  <p>MG-VYT 38</p>  <p>MG-TAP 29</p>  <p>PMT-AC 127</p> <p>MG-TAPW 32</p>  <p>PMT-AC 127</p>	<p>MG-SPM 26</p>  <p>MG-SAT 44</p>  <p>MG-PYT 40</p>  <p>MG-TAP 29</p>  <p>RT-TAP 144</p> <p>MG-TAPW 32</p>  <p>MG-TAPW 32</p>  <p>RT-TAPW 145</p>

THERMAL TRANSFER SYSTEM FOR SHEET MEDIA

MG-TAA 36	MG-TAP 29	MG-TAP 29		TPM-ROLL 66	ETF-ROLL 70	STRIP-ROLL 74	TTL 77
MG-VYT 38	RT-TAP 144 MG-TAPW 32	RTA-TAP 144 MG-TAPW 32	PLA 141 MG-VYT 38	PMF 122 TERMO-ROLL 78	CABLE TIES 135 TERMO-ROLL 82	TAP-ROLL 72	TTF 80
MG-VCT 41	RT-TAPW 145 MG-17.5-R 45	RTA-TAPW 145 MG-PYT 40	MG-SAT 44	KM-ROLL 63	TAP-ROLL 72	RT-TAP 144	TAP-ROLL 72
	MG-17.5-A 46	MG-SIGNS 58	GMCK 49		PMF-ET 126		RTA-TAP 144 TAP-ROLL 72
		MG-VRT-R 50	MG-VRT-A 54				PLA 141
CONNECTORS	MODULAR COMPONENTS	PLATES	LABELS	SINGLE CABLES	CONDUITS PIPES MULTI-CORE	MODULAR COMPONENTS	LABELS

# GENIUSPRO



## Software

for all CEMBRE printers

GENIUSPRO is the latest software developed by CEMBRE.

- Simple and intuitive
- Operator needs only basic computer skills
- Enhanced features include full size Dynamic Preview
- Assures increased capability and performance when printing text, symbols and images on CEMBRE MARKINGENIUS® and ROLLY systems.

MARKINGENIUS® and ROLLY systems are delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® to ensure compatibility.

### Software features

- Optimised printing of media for cables, terminal blocks, control gear, connectors, push buttons, components, panels and self adhesive labels
- Easy data insertion
- Development of alphanumeric progressions (e.g. from A01 to Z99)
- MATRIX, ACS and Simplo conversion
- Guided import from Excel®, CSV, TXT and the main Electrical CADs such as EPLAN, IGE-XAO, SPAC, ZUKEN E3 and many others
- All Windows® fonts
- Support for texts in Asian, Russian and Arabic languages
- Free upgrades with each release
- Help function, built in manual and Teamviewer integration

### Minimum system requirements

- PC Processor Intel®Core™ i3, 4th generation
- 4 Gb RAM
- USB connection
- 2 Gb available hard disc space
- Video resolution 1280x1024
- Windows 7, 8, 10, 11
- Internet enabled



### System-lifetime support

- free software updates
- pre-purchase trials
- free of charge training and support every working day, by phone, remote computer access via internet or site visit
- samples of available media for customer approval and new media developments welcome
- loan machine when printer returned for service.



Type	Description	Quantity
GENIUSPRO-5L	Software GENIUSPRO - 5 Licenses	1
GENIUSPRO-1L	Software GENIUSPRO - 1 Licence	1

*Thermal transfer printer for sheet media*

on sheet media, plug&play

The MARKINGENIUS®MG4 is an industrial labelling printer designed to offer **high quality and long-lasting printing** for text, logos, electrical symbols, QR codes and all kinds of vector images. Equipped with a **ribbon save system**, a useful function that allows you to consume only the ribbon needed for printing.

Its reliability and robustness mean that the MG4 can be used intensively, making it suitable for all kinds of applications.

The large on-board touch screen enables quick and easy management of print projects.

**Each monochrome ribbon can print more than 300,000 MG-TPMF 4x10 mm labels.**

MG4 can be used with both a mains power supply and with **CEMBRE CAS Alliance** rechargeable batteries: the machine **can be used in the office, in production and also on site**, right in front of the panel to be wired.

The interchangeable battery, which can power both MG4 and all CEMBRE tools, allows full portability of the printer.



WI-FI



SHARE



TOUCH DISPLAY



USB



APP



STATUS MONITOR



LAN



WI-FI DIRECT

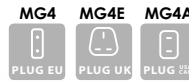


BATTERY RECHARGEABLE

Printer dimensions:

- Length 409 mm
- Width 236 mm
- Height 240 mm
- Weight 6.1 kg

# MG4



### SPEED

prints 112 4x10 cable tags in less than 12 seconds

### CONVENIENCE

software provides quick and easy upload of the data to be printed

### ECONOMY

prints around 300,000 4x10 cable tags with a single ribbon

### QUALITY

printer resolution 300x600 dpi



Supplied with the three most useful templates

software GENIUSPRO.....	page 8
templates and PET supports.....	page 12
accessories.....	page 12
ribbons.....	page 13



# MG4

## Accessories



transport with soft bag **CVB-039**

**MG4** printer supplied with:

- **FD-GENIUSPRO** software on *USB stick*
- **991002** plate for *FLAT series products*
- **991000** plate for *tags MG-TPM*
- **991011** plate for *terminal tags*
- **991600** black print ribbon
- **991654** cardboard ribbon spool
- *USB cable*
- *power cord*
- *external power supply*

Accessories on request:

- *rechargeable batteries*
  - **CB1820L** 18V-2.0 Ah Li-Ion
  - **CB1852L** 18V-5.2 Ah Li-Ion
  - **CB1880L** 18V-8. Ah Li-Ion
- *battery chargers*
  - **ASC55-EU** 220-240 V / 50-60 Hz with *EU plug*
  - **ASC55-UK** 220-240 V / 50-60 Hz with *UK plug*
  - **ASC30-36-USA/CA** 115 V / 60 Hz with *USA plug*
  - **ASC30-36-AUS/NZ** 220-240 V / 50-60 Hz with *AUS plug*
- **CVB-039** *soft bag*
- **VAL-MG-N** *rigid trolley*
- **VAL-MG-HD** *HD trolley*

**ASC55-EU** Battery charger



**CB1880L**

Prints up to 1000 sheets



**CB1852L**

Prints up to 700 sheets

**CB1820L**

Prints up to 350 sheets

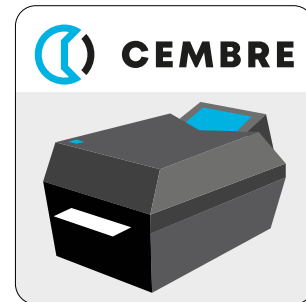


## Specific applications for MG4

Projects can be set up and created from a PC with the GENIUSPRO software for managing production orders or, if necessary, via the **Geniuspro Mobile** APP developed by CEMBRE for IOS and Android devices (smartphones and tablets) for the latest changes on site, on the electrical panel or on board the machine.



# Geniuspro Mobile



The new **Geniuspro Mobile** application allows you to bring the ease of use and versatility of the desktop programme directly to your smartphone.

- **create and print** labelling projects for cable tags, terminals, contactors, connectors, buttons, components and adhesive labels directly from the mobile device
- **enter data** quickly with texts, counters, forms, images, symbols and barcodes (QR Code, Data Matrix, Code128/39, Ean 8/13)
- **import and edit** projects created with GENIUSPRO
- **open and print** Designer projects created with GENIUSPRO
- connects directly with the printer via **Wi-Fi Direct**

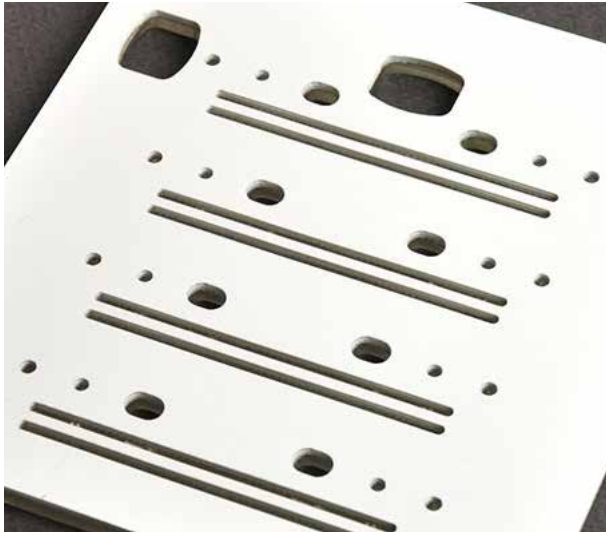




# ACCESSORIES

## Templates and accessories

for thermal transfer printer

The accessories are compatible with CEMBRE thermal transfer printers for sheet media.



VAL	Type	Size	
	VAL-MG-N	Length mm	450
		Width mm	295
		Height mm	370
		Weight kg	6,7
	VAL-MG-HD	Length mm	687
		Width mm	528
		Height mm	366
		Weight kg	7,5



Template	Type	Quantity	PET support	Type	Quantity	For printing	
MG2-PWC	991000	1		MG2-TWC	991502	3	MG-TPM
MG2-PLT	991002	1		MG2-TLT	991522	3	laminated material serieFLAT
MG2-QTB	991011	1		MG2-TQT	991564	3	MG-CPM-01, MG-CPM-02, MG-CPM-03, MG-CPM-04, MG-CPM-07, MG-CPM-11, MG-SPM-03
MG2-PTD	991007	1		MG2-TTD	991563	3	MG-TDM (6 stems)
MG2-PTM	991010	1		MG2-TTM	991561	3	MG-TDM0, MG-TDM (4 stems)
MG2-MTB	991008	1		MG2-TMT	991513	3	MG-CPM-01 (5 x 7 mm)
MG2-WTB	991004	1		MG2-TWT	991542	3	MG-CPM-05, MG-CPM-12, MG-SPM-09
MG2-STB	991005	1		MG2-TST	991552	3	MG-CPM-06
MG2-LTB	991013	1					MG-CPM-09
MG2-CTB	991006N	1		MG2-TCT	991562N	3	MG-CPM-10
MG2-ETB	991016	1					MG-CPM-13
MG2-PSB	991554	1					MG-CPM-15 42908
MG2-NSB	991556	1					MG-CPM-15 42909
MG2-PSP	991018	1		MG2-TSP	991514	3	MG-SPM-02, MG-TAP-R, MG-TAP-R-MD
MG2-BSP	991558	1					MG-SPM-07
MG2-WSP	991559	1					MG-SPM-11
Accessories	Type	Quantity	Description				
MG2-CKP	991670	1	Print head cleaning kit (template, pad & cleaning fluid)				
	991672	1	Print head cleaning kit (template & pad)				
MG2-CNP	992150	1	Replacement pads for MG2-CKP (5 pieces)				
	ISOCLENE	1	Spray 250 ml, replacement for MG2-CKP				
	MG2-SPD1	1	Ribbon feed spool for MG2-EPTR				
	MG2-KDF	1	Media guide				
	VAL-MG-N	1	MARKINGENIUS® transportation case with wheels				
	VAL-MG-HD	1	Heavy duty transportation case with wheels and telescopic handle for air transport				



templates and blanks for MG4 printer  
accessories for optimum printer condition



# RIBBONS

## Monochrome ribbons

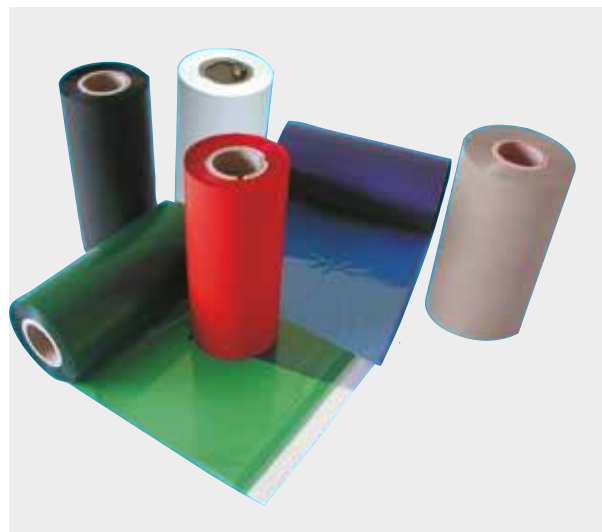
for thermal transfer printer

MG2-ETR monochrome ribbons are formulated to produce high quality print on a variety of materials while providing resistance to abrasion, chemicals, cleaning products and environmental agents (eg UV, humidity). Ribbon length 200 m, width 120 mm.

MG2-EPTR PREMIUM black monochrome ribbon has enhanced performance characteristics, is 300 linear meters long, with a width of 110 mm.

To enable usage of MG2-EPTR PREMIUM ribbons with MG4 printers, the additional purchase of accessory Rear Tension Roller Kit MG2-SPD1 with smaller diameter is required (see Accessories page 10).

**Use this ribbon to print FLAT Polycarbonate items.**



Family	Type							Width mm	Length m	Quantity
	black	blue	red	green	silver	gold	white			
MG2-ETR	991600	991601	991602	991603	991607	991608	991606	120	200	1
MG2-EPTR PREMIUM	991611							110	300	1

The legibility of print produced on CEMBRE media by MG2-ETR and MG2-EPTR black ribbons meets the requirements of:

- UNI EN ISO 4892-2:** UV resistance
  - CEI 16-7:** Resistance to abrasion and friction
  - CEI 16-7:** Effect of ageing
  - CEI 23-11 / CEI EN 61058-1:** Indelibly
  - CEI EN 61010-1 / VDE 0411-1:** Indelibly
  - CEMBRE INTERNAL TEST:** Indelibly
  - UNI EN ISO 9227:** Saline mist
  - CEI EN 60464-2:** Resistance to solvent vapour
  - DIN 30643:** Resistance to abrasion and rubbing
  - UNI EN ISO 175:** Effect of immersion in liquid chemicals
- Specifications page 192



# MG-TPMF

## Cable tags for holders



precut 4mm push in markers, easy entry for PMF holders

SerieFLAT MG-TPMF tags are used for marking cables, conduit, tubes, conductors and components.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders. Consult us for other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0 according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

PVC
SF
-30°C
+60°C
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type								Quantity	Tags per sheet	SW code
		white PVC10050WH	yellow PVC10050YE	grey	red	blue	green	violet	black			
MG-TPMF	4 x 10	42090B	42040B	42000BGY	42020B	42060B	42050B		42010B	5.600	112	502
		42090B	42040B							16.800		
	4 x 12	42091B	42041B	42001BGY	42021B	42061B	42051B	42071B	42011B	4.000	80	505
		42091B								12.000		
	4 x 15	42092B	42042B							4.000		503
		42092B	42042B							12.000		
	4 x 18	42094B	42044B							1.600		506
		42094B	42044B							1.600		
	4 x 20	42093B	42043B		42023B	42063B	42053B		42013B	1.600	64	504
		42093B	42043B							4.800		
	4 x 30	42096B	42046B		42026B	42066B	42056B			1.200	48	509
		42096B	42046B							3.600		
	4 x 40	42097B	42047B							800	32	508
		42097B	42047B							2.400		

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0 according to UL94; the colours white PC10050WH and yellow PC10050YE are EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
-40°C
+130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU

Size mm	Size mm	Type					Quantity	Tags per sheet	SW code
		white PC10050WH	yellow PC10050YE	metallic grey	brown	orange			
MG-TPMF-HF	4 x 10	42090B-HF	42040B-HF	42000B-HF	42070B-HF	42030N-HF	5.600	112	502
		42090B-HF					16.800		
	4 x 12	42091B-HF	42041B-HF	42001B-HF			4.000	80	505
		42091B-HF	42041B-HF	42001B-HF			4.000		
	4 x 15	42092B-HF	42042B-HF	42002B-HF			4.000		503
		42092B-HF	42042B-HF	42002B-HF			4.000		
	4 x 20	42093B-HF	42043B-HF				1.600	64	504
		42093B-HF	42043B-HF				4.800		
	4 x 30	42096B-HF	42046B-HF				1.200	48	509
		42096B-HF	42046B-HF				3.600		
	4 x 40	42097B-HF	42047B-HF				800	32	508
		42097B-HF	42047B-HF				800		



Use the 991611 ribbon to print FLAT Polycarbonate items.  
 template with PET support ..... page 12  
 ribbons ..... page 13

tag holders PMF ..... page 122  
 tag holders PMF-AC ..... page 125  
 tag holders PMF-ET ..... page 126



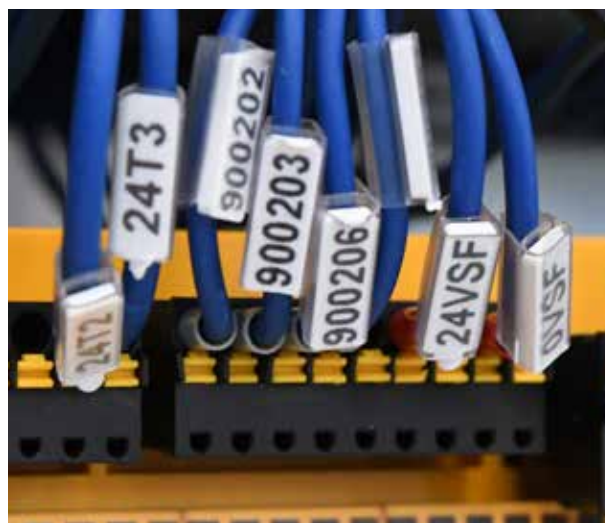
# MG-TPM

## Cable tags for holders

4mm push in markers, for PM holders

MG-TPM tags are used for marking cables, conduit, tubes and equipment.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0 according to UL94; the colours white PC10300WH and yellow PC10400YE are EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
-40°C
+130°C



Family	Size mm	Type		Tags per sheet	Quantity	SW code
		white PC10300WH	yellow PC10400YE			
MG-TPM	4 x 10	40090	40040	45	2.250	1
	4 x 12	40091	40041	45	2.250	2
	4 x 15	40092	40042	45	2.250	3
	4 x 18	40093	40043	45	2.250	4

### MG-TPM-MD

**NEW**

Tags produced in metal-detectable material that can be inserted into transparent holders. The material has a specific additive easily detectable by metal detectors and X-rays, which guarantees high resistance to oxidation.

**Material:** PC/ABS, self extinguishing class HB according to UL94

**Operating temperature range:** -40°C to +130°C



PC
ABS
-40°C
+130°C



Family	Size mm	Type		Tags per sheet	Quantity	SW code
		<b>NEW</b> Type blue MD				
MG-TPM-MD	4 x 10	40060-MD		45	2.250	1
	4 x 12	40061-MD		45	2.250	2
	4 x 15	40062-MD		45	2.250	3



template with PET support..... page 12  
 ribbons ..... page 13  
 tag holders PM..... page 129

tag holders PM-AC..... page 132  
 tag holders PM-ET ..... page 133



# MG-TDM

## Cable tags without holder

one piece, push on

MG-TDM one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Tags are easily removed from the stems and partially printed sheets may be reused to avoid wastage.

- It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.



**Material:** Polycarbonate, Halogen Free, Silicon free, self extinguishing class V0 according to UL94; the colours white PC10200WH and yellow PC10400YE are EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C



Family	Cable ext. Ø range mm	Cable c.s.a range mm²	Size mm	Type		N° Stems	Tags per sheet	Quantity	Template	SW code
				white PC10200WH	yellow PC10400YE					
MG-TDM-01	1,6 ÷ 3,25	0,5 ÷ 1,5	4 x 12	40190	40140	6	66	1.320	991007	121
				40192	40142	4	40	800	991010	119
			4 x 16	40191	40141	4	40	800	991010	123
MG-TDM-02	2 ÷ 4,4	1 ÷ 6	4 x 12	40290	40240	6	66	1.056	991007	122
				40292	40242	4	40	640	991010	120
			4 x 16	40291	40241	4	40	640	991010	124



## MG-TDM-MD

**NEW**

**Material:** PC/ABS, self extinguishing class HB according to UL94

**Operating temperature range:** -40°C to +130°C



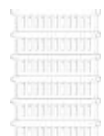
Family	Cable ext. Ø range mm	Cable AWG range	Size mm	<b>NEW</b> Type blue MD	N° Stems	Tags per sheet	Quantity	Template	SW code
MG-TDM-01-MD	1,6 ÷ 3,25	0,5 ÷ 1,5	4 x 12	40160-MD	6	66	1.320	991007	121
MG-TDM-02-MD	2 ÷ 4,4	1 ÷ 6	4 x 12	40260-MD	6	66	1.056	991007	122



Directly on cables according to the diameter ranges shown in the table.  
No transparent holders required.

### PURCHASE SEPARATELY

templates and PET supports ..... page 12  
ribbons ..... page 13



# MG-TDMO

## Cable tags without holder

one piece, clip on

MG-TDMO one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Tags are easily removed from the stems and partially printed sheets may be reused to avoid wastage.

- It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

**Material:** Polycarbonate, Halogen Free, Silicon free, self extinguishing class V0 according to UL94; the colours white PC10200WH and yellow PC10400YE are EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C



PC HF SF 40°C 130°C

EN 45545-2 RoHS COMPLIANT 2011/65/EU

Family	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Size mm	Type		Tags per sheet	Template	Quantity	SW code
				white PC10200WH	yellow PC10400YE				
MG-TDM0-01	2 ÷ 2,9	0,5 ÷ 1,5	4 x 12	40390	40340	40	991010	880	125
			4 x 16	40391	40341	40		880	128
MG-TDM0-02	2,9 ÷ 3,5	1,5 ÷ 2,5	4 x 12	40490	40440	40		640	126
			4 x 16	40491	40441	40		640	129
MG-TDM0-03	4 ÷ 4,6	4 ÷ 6	4 x 12	40590	40540	40		560	127
			4 x 16	40591	40541	40		560	130



RETROFIT? INDISPENSABLE!!

## Support TDMOS

Each TDMOS support allows any size of MG-TDMO tag to be used to mark cables with larger o.d 6 –14 mm typically 16, 35 and 70 mm<sup>2</sup>.

Use directly on cables according to outside diameter.

**Material:** Polyamide PA6.6, self-extinguishing class V2: according to UL94.

PA6.6 RoHS COMPLIANT 2011/65/EU

Family	Ø Size mm	Cable c.s.a range mm <sup>2</sup>	Type	Length mm	Quantity
TDMOS-16	6-8	16	42850	25	150
TDMOS-35	8-10	35	42852	25	100
TDMOS-70	10-14	70	42854	25	50



Directly on cables according to the diameter ranges shown in the table.  
No transparent holders required.

**PURCHASE SEPARATELY**

template with PEI support .....	page 12
ribbons .....	page 13
support for cable tag .....	page 17



# MG-ETF

## Cable & conduit tags tie-on

precut, one piece markers

MG-ETF tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.

Cable tie max width 4,8 mm.



### MG-ETF-PO

**NEW**

**Material:** Polyolefine, Silicon free, self extinguishing class HB: according to UL94; material PO10080 is EN 45545-2 approved, for railway applications. Use Ribbon 991611 to print on Polyolefin markers.

**Operating temperature range:** -55°C to +105°C

PO 0.8mm SF -55°C +105°C

EN 45545-2 RoHS COMPLIANT 2011/65/EU

Size mm	min. Ø cable mm	Type					Print area mm	Tags per sheet	Quantity	SW code
		white	yellow	red	blue	green				
13 x 60	6	64591-PO	64541-PO	64524-PO	64561-PO	64551-PO	11 x 44	16	400	586
22 x 26	12	64590-PO	64540-PO	64520-PO	64560-PO	64550-PO	9 x 24	15	375	587
22 x 29	21	64592-PO	64542-PO	64522-PO	64562-PO	64552-PO	16.5 x 20	15	375	588

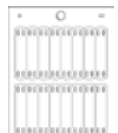


13x60      22x26      22x29



Directly on cables using appropriate cable ties.  
Use the 991611 ribbon to print Polyolefine items.

template with PET support ..... page 12  
ribbons ..... page 13  
cable tie max width 4,8 mm ..... page 135



# MG-ETF

THERMAL TRANSFER FOR SHEET MEDIA



### MG-ETF-SBS

**Material:** SBS Styrene-Butadiene-Styrene, Halogen free, self extinguishing class HB: according to UL94

**Operating temperature range:** -30°C to +70°C

SBS
0.5mm
UL94
HF
SF
-30°C
+70°C
RoHS COMPLIANT 2011/65/EU

Size mm	min. Ø cable mm	Type											Print area mm	Tags per sheet	Quantity	SW code
		white	yellow	metallic grey	red	blue	green	orange	dark brown	pink	violet	black				
13 x 60	6	64193-SBS	64143-SBS	64183-SBS	64123-SBS	64163-SBS	64153-SBS	64133-SBS	64173-SBS	64313-SBS	64113-SBS	64103-SBS	11 x 44	16	800	589
15 x 95	7	64293-SBS	64243-SBS	64283-SBS	64223-SBS	64263-SBS	64253-SBS	64233-SBS				64203-SBS	13 x 73	5	250	584
28 x 57	10	64197-SBS	64147-SBS	64187-SBS	64127-SBS	64167-SBS	64157-SBS				64317-SBS	64107-SBS	26 x 35	6	300	590

### MG-ETF-HF

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; the colours white PC10050WH and yellow PC10050YE are EN 45545-2 approved, for railway applications.

**Operating temperature range:** -40°C to +130°C

PC
UL94
HF
SF
-40°C
+130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU

Size mm	min. Ø cable mm	Print area mm	Tags per sheet	Type										Quantity	SW code
				white PC10050WH	yellow PC10050YE	metallic grey	red	blue	green	orange	light brown	dark brown	black		
13 x 57	6	11 x 35	14	54192-HF	54142-HF	54182-HF	54122-HF	54162-HF	54152-HF	54132-HF	54172-HF	54172-1-HF	54102-HF	700	581
						54182-HF								2.100	
15 x 95	7	13 x 73	5	54293-HF	54243-HF									250	584
28 x 57	10	26 x 35	6	54197-HF	54147-HF		54127-HF	54167-HF		54137-HF				300	590



Directly on cables using appropriate cable ties.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support ..... page 12  
ribbons ..... page 13  
cable tie max width 4,8 mm ..... page 135



# MG-KMP

## Wraparound cable markers

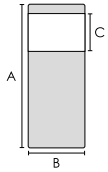
self adhesive, precut

MG-KMP wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

MARKINGENIUS® printing is exceptionally clear and legible and is protected from chemical and atmospheric agents.

**Wraparound, self adhesive cable markers provide a fast, economical and efficient way of identifying large diameter conductors.**

MARKINGENIUS® and MG-KMP produce indelible printed marking, protected from water, alcohol, grease, solvents, etc.



**Material:** Polyolefin PO99006TR, Silicon free, Halogen free, certified UL969.

**Operating temperature range:** -70°C to +140°C

**Application temperature range:** +10°C to +40°C



Family	Overall length A mm	Wrapping diameter mm	Print area CxB mm	Type					Quantity	Markers per sheet	SW code
				white PO99006TR	yellow PO99006TR	red	blue	green			
MG-KMP019	19	2 ÷ 3	9 x 13	49962-013	49462-013				1.500	30	392
			9 x 15	49956-015	49456-015				1.200	24	393
MG-KMP025	25	2,6 ÷ 4,1	9 x 23	49956-023	49456-023				800	16	394
								2.400			
MG-KMP038	38	4,3 ÷ 7	10 x 15	49950-015	49450-015				900	18	381
			10 x 23	49950-023	49450-023	49250-023	49650-023	49550-023	600	12	382
MG-KMP050	50	6 ÷ 10	15 x 12	49951-012					700	14	383
			15 x 15	49951-015	49451-015				600	12	384
									1.800		
			15 x 23	49951-023	49451-023				400	8	385
								1.200			
MG-KMP062	62	6,5 ÷ 12	18 x 12	49958-012	49458-012				700	14	395
MG-KMP068	68	7 ÷ 13	22 x 40	49959-040	49459-040				200	4	396
			25 x 15	49952-015	49452-015				300	6	386
MG-KMP075	75	8 ÷ 14	25 x 23	49952-023	49452-023				200	4	387
									600		
MG-KMP080	80	10 ÷ 17	25 x 47	49964-047	49464-047				100	2	397
MG-KMP082	82	10,5 ÷ 18	25 x 50	49954-050					100	2	388
MG-KMP092	92	11 ÷ 19	20 x 80	49965-080	49465-080				50	1	398
MG-KMP100	100	12 ÷ 20	25 x 15	49953-015	49453-015				300	6	389
									900		
MG-KMP100	100	12 ÷ 20	25 x 23	49953-023	49453-023				200	4	390
MG-KMP135	135	20 ÷ 25	50 x 50	49955-050	49455-050			49555-050	100	2	391



Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.

template with PET support ..... page 12  
 ribbons ..... page 13  
 holders KMC ..... page 134



# MG-CPM

## Terminal block markers

MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.

Depending on type, markers are presented as joined strips at a set or flexible pitch or as separate markers for convenient individual insertion on mixed pitch terminal block assemblies.

MG-CPM markers provide an elevated mechanical robustness, high dimensional stability and are Halogen Free.

Printing a complete sheet of MG-CPM markers on MARKINGENIUS® thermal transfer printers takes around 10 seconds, while to optimise application time, additional data - job details, location, etc - may be printed on the stems.

Part-used sheets are easily accommodated to avoid wastage. MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.



THERMAL TRANSFER FOR SHEET MEDIA

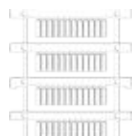


### PURCHASE SEPARATELY

Directly on terminal blocks using the rear mounted clips.

### SUPPLIED

templates and PET supports ..... page 12  
 ribbons ..... page 13  
 cross reference chart ..... page 182



# MG-CPM



Family	Terminal blocks	Profile	Size mm	Pitch mm	Strip form	Type			Markers per sheet	Quantity	Template	SW code
						white PC10200WH	yellow PC10400YE	NEW blue MD				
MG-CPM-01	CEMBRE, Weidmüller, IMO, Entrelec, Wago, Allen Bradley, Conta Clip, Klemsan, Morsettitalia, Woertz, Connectwell, Rockwell		3 x 10	3,5	S	41092		41062-MD	80	2.000	991011	15
			5 x 7	5,1	S	41094	41044	41064-MD	56	1.960	991008	13
			5 x 10	5,1	S	41090N	41040N		56	1.960	991011	14
			5 x 10	5,1	M	41098	41048	41068-MD	56	1.960	991011	14
			5 x 12	5,1	M	41099			56	1.960	991011	19
			5 x 15	5,1	S	41091N	41041N		48	1.680	991011	16
			6 x 10	6	M	41095	41045	41065-MD	48	1.680	991011	17
MG-CPM-02	CEMBRE, Weidmüller WDK & WDU, Allen Bradley, Conta Clip, Klemsan, Entrelec, Wago, Woertz		5 x 10	5,1	S	41190N	41140N	41160N-MD	48	1.680	991011	22
MG-CPM-03	Wago, Entrelec, Cabur, Phoenix Contact, Connectwell		5 x 10	5	S	41291		41261-MD	56	1.960	991011	25
			5 x 10	5	M	41293		41263-MD	56	1.960	991011	25
MG-CPM-04	Phoenix Contact UK, UT & ST (frontal mounting), Connectwell, Siemens 8WH (clamp, frontal mounting), Cabur, Entrelec, Wago, Omron, Finder		3 x 10	3,5	S	41392		41362-MD	80	2.000	991011	43
			5 x 10	5,2	S	41390N	41340N		48	1.680	991011	42
			5 x 10	5,2	M	41395		41365-MD	48	1.680	991011	31
			6 x 10	6	M	41391		41361-MD	48	1.344	991011	45
			8 x 10	8	M	41396	41346	41366-MD	32	1.120	991011	48
MG-CPM-05	Wieland, Telemecanique, Omron, Legrand clamp, Merlin Gerin MCB ST		5 x 8	5	M	41495			56	1.960	991004	52
			5 x 10	5	S	41490		41460-MD	56	1.960	991004	51
			5 x 10	5	M	41494			56	1.960	991004	51
MG-CPM-06	Siemens 8WA clamp		5 x 10	6	S	41591		41561-MD	44	1.540	991005	61
MG-CPM-07	Phoenix Contact ST, STU, STS, STI, STN, STTB, Omron, Siemens 8WH clamp, Schlegel		3 x 10	3,5	S	41692			80	2.000	991011	73
			5 x 10	5,2	S	41691		41661-MD	48	1.680	991011	71
			5 x 10	5,2	M	41693			48	1.680	991011	71
MG-CPM-09	Legrand Viking 3		5 x 10	5 ÷ 6	MF	41890		41860-MD	56	1.960	991013	92
MG-CPM-10	Cabur, Connectwell		5 x 10	5,5	S	46194			48	1.680	991006N	100
			5 x 12	5,5	S	46192		46162-MD	48	1.680	991006N	101
MG-CPM-11	Allen Bradley, Weidmüller WDU, Conta Clip RK, IMO, Finder, Omron, Klemsan		6 x 12	6,1	S	46392	46342	46362-MD	48	1.344	991011	106
MG-CPM-12	CEMBRE, Wago Top Job, Entrelec, Cabur, Weidmüller, Connectwell, Morsettitalia, Beckoff I/O, Klemsan		4,2 x 6	5 ÷ 6	MF	46391			56	1.960	991004	111
			4,2 x 9	5 ÷ 6	MF	46390		46360-MD	56	1.960	991004	112
MG-CPM-13	Entrelec SNK ZS		5 x 12	5,2	M	41790	41740	41760-MD	56	1.960	991016	113
			6 x 12	6	M	41791	41741	41761-MD	48	1.680	991016	114
MG-CPM-15	CEMBRE, Allen Bradley, Weidmüller, Wago Top Job, Klemsan, Conta-clip		5 x 5	5,1	M	42908		42608-MD	48	1.680	991554	402
			6 x 5	6,1	M	42909			40	1.400	991556	403

# MG-CPM

## MG-CPM

**Material:** Polycarbonate, self extinguishing class V0 according to UL94; the colours white PC10200WH, PC10300WH and yellow PC10400YE are EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

## MG-CPM-MD

**NEW**

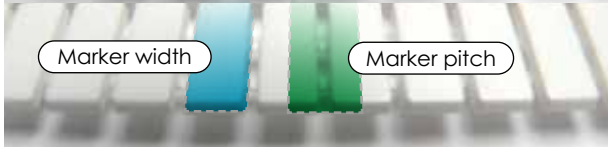
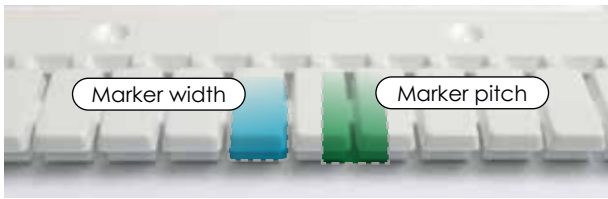
Tags produced in blue metal-detectable material. The material has a specific additive easily detectable by metal detectors and X-rays, which guarantees high resistance to oxidation.

**Material:** PC/ABS, self extinguishing class HB according to UL94

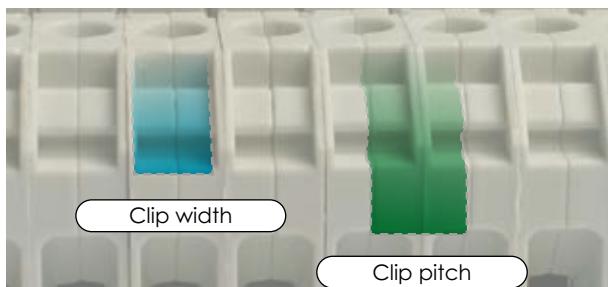
**Operating temperature range:** -40°C to +130°C



### PRINTABLE SHEET FORMAT



### TERMINAL BLOCKS



### MODULAR STRIP

A strip of joined markers is removed from the stem. Without separation, markers are clipped into terminals by light finger pressure. The terminal block is marked quickly and conveniently.



### MODULAR FLEXIBLE PITCH STRIP

A strip of joined markers is removed from the stem. Manually extend the strip length by pulling it until the desired pitch is reached. Clip the strip directly into the terminal blocks by light finger pressure.



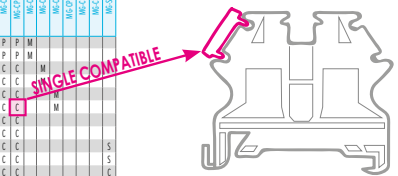
### SINGLE

Without removal from the stem, markers are clipped into terminals by light finger pressure. Bend the stem upwards to detach it from the markers. Carefully remove the stem, leaving the markers in situ.



CEMBRE		Markers	mm							
		WS-CPM-0102-1000								
		WS-CPM-0103-1000								
		WS-CPM-0104-1000								
		WS-CPM-0105-1000								
		WS-CPM-0106-1000								
		WS-CPM-0107-1000								
		WS-CPM-0108-1000								
		WS-CPM-0109-1000								
		WS-CPM-0110-1000								
		WS-CPM-0111-1000								
		WS-CPM-0112-1000								
		WS-CPM-0113-1000								
		WS-CPM-0114-1000								
		WS-CPM-0115-1000								
		WS-CPM-0116-1000								
		WS-CPM-0117-1000								
		WS-CPM-0118-1000								
		WS-CPM-0119-1000								
		WS-CPM-0120-1000								
		WS-CPM-0121-1000								
		WS-CPM-0122-1000								
		WS-CPM-0123-1000								
		WS-CPM-0124-1000								
		WS-CPM-0125-1000								
		WS-CPM-0126-1000								
		WS-CPM-0127-1000								
		WS-CPM-0128-1000								
		WS-CPM-0129-1000								
		WS-CPM-0130-1000								
		WS-CPM-0131-1000								
		WS-CPM-0132-1000								
		WS-CPM-0133-1000								
		WS-CPM-0134-1000								
		WS-CPM-0135-1000								

**C SINGLE CLIPS COMPATIBLE**  
 Marker width < Clip width  
 Marker pitch ≠ Clip pitch



# MG-CPMF

## Terminal block marker strips

SerieFLAT, precut

Thin flexible printable strips to fit in the marker locations, for immediate labelling of multiple flush mounts.

MG-CPMFA is self adhesive with thickness 0,7 mm.



**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

PVC
0.3mm
SF
-30°C
+60°C
RoHS COMPLIANT 2011/65/EU

Family	Terminal blocks	Size mm	Type		Strips per sheet	Quantity	SW code
			white	yellow			
MG-CPMF	Entelec D	5,2 x 105	43094	43044	20	1.000	551
	Phoenix Contact ST	6,3 x 105	43096	43046	15	750	553

PVC
0.5mm
SF
-30°C
+60°C
RoHS COMPLIANT 2011/65/EU

Family	Self adhesive	Terminal blocks	Size mm	Type		Quantity	Strips per sheet	SW code
				white PVC10050WH	yellow PVC10050YE			
MG-CPMF		Phoenix Contact ST	6,3 x 105	43092	43042	750	15	553
		Entelec M6/9EE, front mounting	7,6 x 105	43091	43041	600		
		Phoenix Contact PIT	9,8 x 105	43097N	43047N	550	11	549
		Entelec M6/9EE, lateral mounting	10 x 105	43090	43040	500		
		Wago Top Job 2001, 2002, 2004, 2006, 2010, 2016	10,7 x 105	43093	43043	500	10	554
					43043	1.500		
MG-CPMFA	✓	Entelec M6/9EE, lateral mounting	10 x 105	46990	46940	100	10	530
	✓	Entelec SNK	12 x 105	43196N	43146N	400	8	932

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; the colour white PC10050WH is EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
-40°C
+130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU

Family	Terminal blocks	Size mm	Type white PC10050WH	Strips per sheet	Quantity	SW code
MG-CPMF-HF	Entelec M6/9EE, front mounting	7,6 x 105	43091-HF	12	600	552
	Wago Top Job 2001, 2002, 2004, 2006, 2010, 2016	10,7 x 105	43093-HF	10	500	554



Directly on terminal blocks.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support ..... page 12  
ribbons ..... page 13  
cross reference chart ..... page 182



# MG-VYB

## Terminal block marker labels

precut, self adhesive

Thin flexible printable strips to fit in the marker locations, for immediate labelling of multiple flush mounts.



**Material:** PVC film; the colours white PVC99008WH and yellow PVC99008YE are UL approved.

**Operating temperature range:** -30°C to +70°C

**Application temperature range:** +10°C to +40°C



Family	Terminal blocks	Size mm	Type		Quantity	Strips per sheet	SW code
			white PVC99008WH	yellow PVC99008YE			
MG-VYB	Printed circuit terminal blocks and other components	4 x 105	16092N	16042N	500	10	556
		10 x 105	16093	16043	500	10	559
	Weidmüller SAK	5,2 x 105	16091	16041	1.000	20	557
			16091		3.000		
	WAGO 260, 261, 262	7 x 105	16090	16040	700	14	558



Directly on terminal blocks.

template with PET support ..... page 12  
 ribbons ..... page 13  
 cross reference chart ..... page 182



# MG-SPM

Component markers, push in

for the leading brands and types


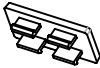


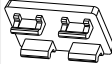
MG-SPM markers are available in versions to suit the particular clip formats of the most widely used contactors, relays, drives, valves and other panel mounting components.



**Material:** Polycarbonate PC10300WH, certified EN 45545-2, Halogen Free, Silicon free, self extinguishing class V0 according to UL94.

**Operating temperature range:** -40°C to +130°C



Family	Components	Size mm	Type white PC10300WH	Tags per sheet	Quantity	Template	SW code
MG-SPM-02	 Siemens Sirius, Entelec AF	7 x 20	43291	12	360	991018	142
MG-SPM-03	 Siemens, Klockner Moeller	9 x 19	32291	12	360	991011	143
MG-SPM-07	 B&R serie X20	3,3 x 12	32690	20	600	991558	145
MG-SPM-09	 Murrelektronik, Balluff	8 x 20	32895	12	360	991004	144
MG-SPM-11	 I/O Beckoff, Wago	7 x 12	32995	24	720	991559	147

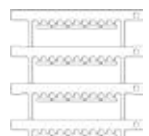


**PURCHASE SEPARATELY**

directly on components with suitable clip in locations.

**SUPPLIED**

templates and PET supports ..... page 12  
 ribbons ..... page 13  
 cross reference chart ..... page 182



# MG-PTS

## Push button legends

precut

Push out the Ø 22.5, 24 or 31 mm blank to locate and secure the legend behind the manual operator head.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0 according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

PVC
SF
30°C
60°C
UL US
RoHS COMPLIANT 2011/65/EU

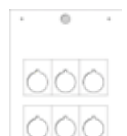
Family	Self-adhesive	Size mm	Ø hole mm	Type						Quantity	Tags per sheet	SW code
				white PVC10050WH	yellow PVC10050YE	grey	red	blue	black			
MG-PTS		39 x 30	22,5	15092	15042	15082GY	15022		15002	300	6	1002
		40 x 30	22,5	15090	15040	15080GY	15020		15000	300	6	1000
		50 x 30	22,5	15091	15041	15081GY	15021		15001	300	6	1001
		62 x 60	31	15094	15044	15084GY	15024	15064	15004	200	4	1003
MG-PTSA	✓	39 x 30	22,5	15192	15142	15182GY	15122		15102	150	6	1002
			24	15297						150	6	1007
	✓	40 x 30	22,5	15190	15140	15180GY	15120		15100	150	6	1000
					15140					450	6	
	✓	47 x 45*	35	15298						100	4	1008
	✓	50 x 30	22,5	15191	15141	15181GY	15121		15101	150	6	1001
			24	15199						150	6	1006
			31	15197		15187GY				100	4	1005
22,5			15198					15108	100	4	1004	
✓	62 x 60	31	15194	15144	15184GY	15124	15164	15104	100	4	1003	

\*for push button panels Hubbel-Killark HKH Series



direct application to suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support ..... page 12  
ribbons ..... page 13



# MG-PTS

## Push button legends

### precut

Push out the Ø 22.5, 24 or 31 mm blank to locate and secure the legend behind the manual operator head.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94

**Operating temperature range:** -40°C to +130°C

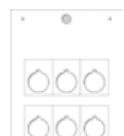
Family	Self-adhesive	Ø hole mm	Size mm	Type metallic grey	Quantity	Tags per sheet	SW code
MG-PTS-HF		22,5	39 x 30	15082-HF	300	6	1002
		22,5	40 x 30	15080-HF	300	6	1000
		22,5	50 x 30	15081-HF	300	6	1001
		31	62 x 60	15084-HF	200	4	1003
MG-PTS-A-HF	✓	22,5	39 x 30	15182-HF	150	6	1002
	✓	22,5	40 x 30	15180-HF	150	6	1000
	✓	22,5	50 x 30	15181-HF	150	6	1001
				15181-HF	450		
	✓	31	62 x 60	15184-HF	100	4	1003

PC
 
HF
SF
-40°C
+130°C



direct application to suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support..... page 12  
ribbons ..... page 13



# MG-TAP

## Legends 15 mm

precut

MG-TAP legends are particularly versatile for identifying cables, conduit, push buttons, machinery, components, etc.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0 according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C



Family	Size mm	Type								Quantity	Legends per sheet	SW code	
		white PVC10050WH	yellow PVC10050YE	grey	red	blue	green	Siemens green	black				
MG-TAP	15 x 17	47090N	47040N	47000NGY	47020N	47060N	47050N		47010N	1.050	42	165	
	15 x 27	47091N	47041N	47001NGY	47021N	47061N	47051N	47051NSGN	47011N	1.400	28	166	
		47091N								4.200			
	15 x 32	47098								1.050	21	352	
	15 x 43	47198								700	14	353	
	15 x 49	47091N	47042N	47002NGY	47022N	47062N	47052N		47012N	700	14	167	
		47091N		47002NGY						2.100			
	15 x 67	47093	47043	47003GY	47023	47063	47053		47013	350	14	188	
		47093								1.050			
	Siemens 3SB3925-0AB												
		17,5 x 27,8	47094		47004GY					47014	1.200	24	175
	Schneider Electric ZBY, Telemecanique ZBZ-32, Omron												
		8,2 x 27	47096	47046	47006GY	47026				47016	2.200	44	807
	Schneider Electric ZBY, Telemecanique ZBZ-33, ZBZ-35, Klöchner Moeller (EATON)												
		18 x 27	47097	47047	47007GY	47027				47017	1.000	20	178
	Allen Bradley												
		6,4 x 27,3	47790		47700GY						1.400	56	715
		16,3 x 27,3	47791		47701GY						1.200	24	716
Siemens 3SU1900-OAS10-OAA0 with rounded corners													
	17,5 x 27	47797	47747	47707GY						450	9	971	
Entrelec KA1-8120													
	15 x 27,7	47795	47745	47705GY						1.400	28	163	



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push button legend bases PTP.....	page 140
legend bases PL.....	page 141
legend rails RT-TAP.....	page 144



# MG-TAP

Legends 15 mm

precut, halogen free



## MG-TAP-HF

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; the colour white PC10050WH is EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

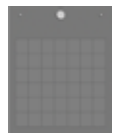


Family	Size mm	Type			Legends per sheet	Quantity	SW code	
		white PC10050WH	metallic grey	transparent				
MG-TAP-HF	15 x 17		47000N-HF	990508N	42	1.050	165	
	15 x 27	47091N-HF	47001N-HF	990510N	28	1.400	166	
	15 x 49		47002N-HF	990513N	14	700	167	
	15 x 67	47093-HF	47003-HF	990514	14	350	188	
	Entrelec KAI-8120							
	15 x 27,7		47705-HF		28	1.400	163	
	Siemens 3SB3925-0AB							
	17,5 x 27,8		47004-HF	990499	24	1.200	175	
	Schneider Electric ZBY, Telemecanique ZBZ-32, Omron							
	8,2 x 27		47006-HF	990515	44	2.200	807	
	Schneider Electric ZBY, Telemecanique ZBZ-3, ZBZ-35,ZBY6102, Klöchner Moeller (EATON)							
	18 x 27		47007-HF		20	1.000	178	
	Allen Bradley							
	6,4 x 27,3		47700-HF		56	1.400	715	
	16,3 x 27,3		47701-HF		24	1.200	716	
Siemens 3SU1900-0AS10-0AA0 with rounded corners								
17,5 x 27	47797-HF	47707-HF		9	450	971		



Use the 991611 ribbon to print FLAT Polycarbonate items  
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legend holders PMT-AC ..... page 127  
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 legend rails RT-TAP ..... page 144



Legends 15 mm

precut, rigid

Cable tags rigid, thickness 1 mm, are particularly versatile for identifying cables, conduit, push buttons, machinery, components, etc.

# MG-TAP



**MG-TAP-HF**

**NEW**

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
-40°C
+130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type		Legends per sheet	Quantity	SW code
		white	yellow			
MG-TAP-R	15 x 27	37094	37044	8	240	354
	15 x 49	37095	37045	4	120	355

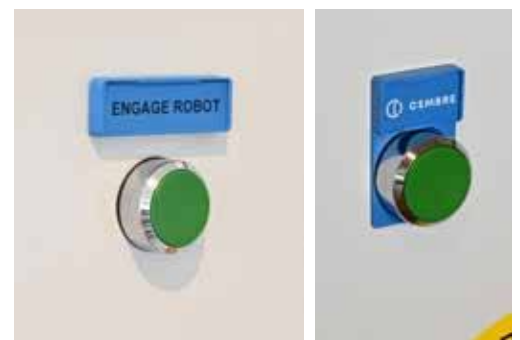
**MG-TAP-R-MD**

**NEW**

Tags produced in metal-detectable material that can be inserted into transparent holders. The material has a specific additive easily detectable by metal detectors and X-rays, which guarantees high resistance to oxidation.

**Material:** PC/AB, self extinguishing class HB: according to UL94.

**Operating temperature range:** -40°C to +130°C



PC
ABS
-40°C
+130°C

Family	Size mm	<b>NEW</b> Type blue MD	Legends per sheet	Quantity	SW code
		MG-TAP-R-MD			
	15 x 49	37065-MD	4	120	355



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legend holders PMF-ET.....	page 126	legend bases PL.....	page 141
legend holders PMF-ET.....	page 126	legend rails RT-TAP.....	page 144



# MG-TAPW

## Legends 9 mm



precut

MG-TAPW legends are used, with legend holders or legend rails, to identify a wide range of cables and components.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0; according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C



Family	Component	Size mm	Type				Quantity	Tags per sheet	SW code	
			white PVC10050WH	yellow PVC10050YE	blue	green				
MG-TAPW		9 x 12	49092N	49042N			2.200	88	360	
		9 x 15	49093N	49043N		49053N	1.925	77	361	
		9 x 20	49090N	49040N			2.750	55	362	
			49090N				8.250			
		Entrelec PEAD, Wago 249-119	9 x 29	49096	49046	49066		1.500	30	363
			9 x 35	49091N	49041N			1.650	33	364
			9 x 50	49094	49044			1.000	20	376
		9 x 70	49095N	49045N		49055N	550	11	378	

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0 according to UL94; the colour white PC10050WH is EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C



Family	Size mm	Type white PC10050WH	Quantity	Tags per sheet	SW code
MG-TAPW-HF	9 x 35	49091N-HF	1.650	33	364
		49091N-HF	4.950		
	9 x 50	49094-HF	1.000	20	376



Use the 991611 ribbon to print FLAT Polycarbonate items

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legend holders PMT-AC ..... page 127  
legend rails RT-TAPW ..... page 145



# MG-TAR

## Legends

precut

MG-TAR legends are often designed to fit particular components with a suitable clip in or stick on location.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

PVC
0.3mm
SF
-30°C
+60°C
RoHS COMPLIANT 2011/65/EU

Family	Component	Size mm	Type white	Quantity	Tags per sheet	SW code
MG-TAR	Jung	8 x 55	45089	1.200	24	719
			45089	3.600		
	CEMBRE ECL1-TH	8 x 24	45494	2.400	48	722

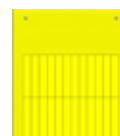
PVC
0.5mm
SF
-30°C
+60°C
RoHS COMPLIANT 2011/65/EU

Family	Component	Size mm	Type					Quantity	Tags per sheet	SW code
			white PVC10050WH	yellow PVC10050YE	grey	red	blue			
MG-TAR		4,6 x 17,5	45398					875	25	797
		6 x 60	45090					800	16	189
			45090					2.400		
	Weidmüller SCHAT7 & M8/30	6,3 x 30	45396N					2.250	45	800
	Phoenix Contact KLM-A	6,3 x 44	45394	45344	45384GY	45324	45364	750	30	798
	Weidmüller SCHAT5S, Beckoff I/O	7,5 x 40	45098	45048				1.200	24	801
				45048				3.600		
	Entrelec SNK LH	8,5 x 30	45490					1.650	33	720
	Wago 249-119	10 x 28,5	45395					1.350	27	350
	Reyrolle ER231	10,4 x 21	45297					1.250	50	351
	CZ Explosion proof 4031/4	12 x 57,5	45392					800	16	708
		14 x 45,5	45390					700	14	718
		14 x 84	45192	45142				300	6	805
			45194	45144				900	18	711
	Entrelec PEB	17 x 35	45194				2.700			
	Weidmüller SCHAT5	17 x 40	45094N	45044N			45064N	900	18	713
		17 x 44	45195	45145				600	12	717
		17 x 140	45491					300	6	839
			45391					900	18	709
	CZ Explosion proof 4031/4	17,5 x 36	45391					900	18	709
26 x 46		45397					400	8	750	
	40 x 140	45492					100	2	877	



Directly to suitable clip in or stick on locations

template with PET support ..... page 12  
 ribbons ..... page 13



# MG-DOG

## Dog tags

- precut, predrilled with one hole

Dog tags are often loosely attached to equipment where a label cannot be fixed, eg on valves, tappings, couplers or in oil/solvent rich atmospheres.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0 (UL 94); the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C



Family	Size mm	Ø hole mm	Cable tie max. mm	Type				Quantity	Tags per sheet	SW code	
				white PVC10050WH	yellow PVC10050YE	red	green				
MG-DOG		20 x 20	5	4,8	48203				1.250	25	867
		25 x 50	5	4,8	48204	48244			400	8	868
			6,5	4,8	48392	48342	48322	48352	300	12	875
		Ø 20	5	4,8	48391	48341			300	12	874
						48341			900		
		Ø 35	4	3,6	48300	48340	48320	48380	300	6	870
					48340			900			

# MG-DOG





## MG-DOG-HF

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; the colours white PC10050WH and yellow PC10050YE are EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
-40°C
+130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU



Family	Size mm	Type			Ø hole mm	Cable tie max. mm	Tags per sheet	Quantity	SW code
		white PC10050WH	yellow PC10050YE	green					
MG-DOG-HF	 25 x 50	48204-HF			5	4,8	8	400	868
	52 x 107	48397-HF			6,5	4,8	2	100	204
	 Ø 20	48392-HF		48352-HF	6,5	4,8	12	300	875
	Ø 35	48300-HF	48340-HF		4	3,6	6	300	870

## MG-DOG-SBS

**Material:** SBS Styrene-Butadiene-Styrene, Halogen free, self extinguishing class HB: according to UL94

**Operating temperature range:** -30°C to +70°C

SBS
HF
SF
-30°C
+70°C
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type white	Ø hole mm	Cable tie max. mm	Tags per sheet	Quantity	SW code
MG-DOG-SBS	 19 x 38	40205-SBS	8	8	8	400	869
	 21 x 39	40206-SBS	12,7	8	8	400	873



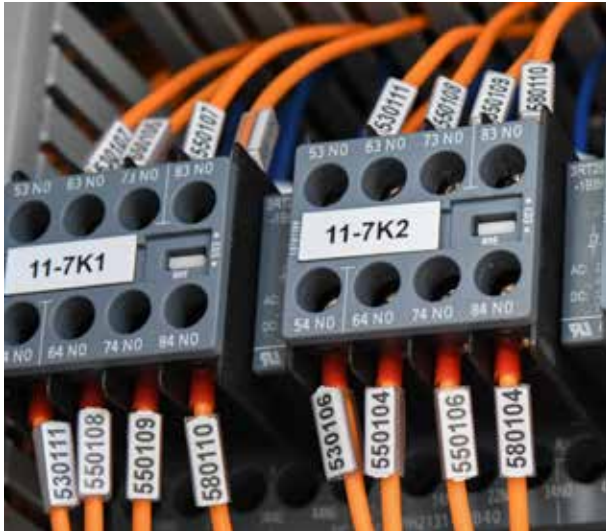
Appropriate attachment.  
Use the 991611 ribbon to print FLAT Polycarbonate items

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cable ties ..... page 135



# MG-TAA

Legends self adhesive



precut

MG-TAA legends are often available in the same sizes as MG-TAPW and MG-TAP. Self adhesive, they can be applied to panels, components and equipment.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C



Application	Size mm	Type							Quantity	Legends per sheet	SW code	
		white PVC10050WH	yellow PVC10050YE	grey	red	blue	green	Siemens green				black
Siemens Sirius	5 x 10	49599	49549							2.100	84	959
	7 x 20	49196	49146	49106GY	49126	49166	49156	49156SGN	49116	1.500	60	179
	7 x 44	49597	49547		49527	49567				700	28	795
Telemecanique	8 x 12	49296	49246	49206GY	49226	49266	49256			2.400	96	723
	8 x 17	49493	49443							1.800	72	724
Entrelec SNK LH	8,5 x 30	49498	49448							825	33	720
	9 x 12	49290N	49240N	49400NGY	49220N	49260N	49250N		49210N	2.200	88	960
Siemens Sirius	9 x 15	49397N	49347N	49307NGY	49327N	49367N	49357N		49317N	1.925		
				49307NGY					49317N	5.775	77	961
	9 x 20	49190N	49140N	49100NGY	49120N	49160N	49150N		49110N	1.375		
Entrelec SNK LH-R1	9 x 20	49190N		49100NGY					49110N	4.125	55	962
		49191N	49141N	49101NGY	49121N	49161N	49151N		49111N	825		
	9 x 35						49151N			2.475	33	964
Entrelec SNK LH-R1	9 x 50	49197	49147	49107GY	49127	49167	49157		49117	500	20	976
	9 x 70	49691	49641							275	11	378
Entrelec SNK LH-R1	10 x 105	49199	49149							250	10	530
		49399N		49309NGY					49319N	700		
	12 x 26								49319N	2.100	28	862
Entrelec SNK LH-R1	15 x 15	49495	49445							1.225	49	183
	15 x 17	49192N	49142N	49102NGY	49122N	49162N	49152N		49112N	1050	42	965
Entrelec SNK LH-R1	15 x 27	49193N	49143N	49103NGY	49123N	49163N	49153N		49113N	700	28	966
		49298	49248	49208GY	49228	49268	49258		49218	300		
Entrelec SNK LH-R1	15 x 44			49208GY						900	12	854
		49194N	49144N	49304NGY	49124N	49164N	49154N		49104N	350	14	967
Entrelec SNK LH-R1	15 x 67	49195	49145	49405GY	49125	49165	49155		49115	350		
				49405GY						1.050	14	977
Entrelec SNK LH-R1	17 x 32	49291	49241							450	18	710
	17 x 35	49198	49148	49408GY	49128	49168	49158		49118	450	18	711
		49393	49343	49303GY	49323	49363	49353		49313	300		
Entrelec SNK LH-R1	17 x 44	49393		49303GY						900	12	717
				49404GY						600		
	17,5 x 27,8			49404GY						1.800	24	175
Entrelec SNK LH-R1	20 x 40	49292	49242	49202GY	49222	49262	49252		49212	250	10	803

## MG-TAA



Application	Size mm	Type								Quantity	Legends per sheet	SW code
		white PVC10050WH	yellow PVC10050YE	grey	red	blue	green	Siemens green	black			
	20 x 48	49293	49243	49203GY	49223	49263	49253		49213	250	10	850
	20 x 72	49294	49244	49504GY	49224	49264	49254		49204	125	5	851
						49264				375		
	20 x 96	49295	49245	49205GY	49225	49265	49255		49215	125	5	852
			49245							375		
	21 x 21	49398N	49348N	49308NGY					49318N	625	25	956
	25 x 32	49595								300	12	847
	25 x 35	49596								300	12	848
	26 x 26	49390N		49300NGY		49360N			49310N	225	9	953
Schneider Télemecanique ZBZ-33, ZBZ-35	18 x 27	49396	49346	49306GY		49366			49316	500	20	178
				49306GY						1.500		
Siemens 3SU1900- 0AH10-0AA, 3SU1900- 0AP10-0AA0 with rounded corners	17,5 x 27	49694	49644	49604GY					49614	225	9	971
Siemens 3SB3923-0AV, 3SB3943-0AX with rounded corners	12,5 x 27	49399		49309GY					49319	375	15	865
	22 x 22	49695	49645	49605GY					49615	225	9	952
	27 x 27	49390		49300GY		49360			49310	225	9	863
		49390								675		

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; the colour white PC10050WH is EN45545-2 approved.

**Operating temperature range:** -40°C to +130°C



Family	Size mm	Type white PC10050WH	Legends per sheet	Quantity	SW code
MG-TAA-HF	9 x 20	49190N-HF	55	1.375	962
	9 x 50	49197-HF	20	500	976
	15 x 27	49193N-HF	28	700	966
	20 x 48	49293-HF	10	250	850



Directly on suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items

template MG2-PLT with PET support MG2-TLT ..... page 12  
ribbons ..... page 13



# MG-VYT

## Labels

self adhesive, pre-cut

Dielectric PVC film labels used for internal and external marking.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** PVC film; the colours white PVC99008WH, yellow PVC99008YE and metallic grey PVC99008GY are UL approved.

**Operating temperature range:** -30°C to +70°C

**Application temperature range:** +10°C to +40°C



Component	Size mm	Type											Quantity	Labels per sheet	SW code	
		white PVC99008WH	yellow PVC99008YE	metallic grey PVC99008GY	red	orange	blue	green	light green	violet	black	transparent				
Allen Bradley	5 x 12	46927	46427	46827									6.000	120	199	
	5 x 25	46956											3.000	60	601	
	5 x 52	46958	46458										1.000	20	602	
	6 x 15	46915	46415	46815	46215		46615	46515	46515LG	46715	46115		5.250	105	181	
			46415										15.750			
		7 x 10	44891	44841	46891									6.000	120	191
	7 x 15	46928	46428	46828									3.000	60	182	
Siemens	7 x 20	46935	46435										3.000	60	190	
	8 x 12	46918	46418	46818									4.800	96	192	
Telemecanique	8 x 17	46923	46423	46823									3.600	72	194	
	8 x 21	46924	46424	46824									3.000	60	196	
			46424										9.000			
	9 x 12	46914	46414	46814									4.000	80	160	
	9 x 15	44895	44845	46895									3.500	70	161	
	Siemens	9 x 20	44896N	44846N	46896N	46296N		46696N	46596N	46596NLG	46796N	46196N		2.750	55	162
				44846N										8.250		
9 x 35		46910N	46410N	46810N									1.650	33	164	
15 x 15	46934	46434	46834										2.450	49	183	
		46434											7.350			
15 x 17	46932N	46432N	46832N										2.100	42	185	
		46432N											6.300			
15 x 27	46921N	46421N	46821N									46021N	1.400	28	186	

# MG-VYT



THERMAL TRANSFER FOR SHEET MEDIA



Component	Size mm	Type											Quantity	Labels per sheet	SW code	
		white PVC99008WH	yellow PVC99008YE	metallic grey PVC99008GY	red	orange	blue	green	light green	violet	black	transparent				
	15 x 49	46933N	46433N	46833N									700	14	187	
	20 x 35		46444										750	15	607	
	20 x 62	46954	46454										500	10	615	
	25 x 25	46931	46431	46831									800	16	611	
	25 x 50	46925	46425	46825									400	8	612	
	25 x 80	46926	46426	46826									200	4	613	
		46926											600			
	25 x 100	46938	46438										200	4	614	
	32 x 58	46939	46439	46839	46239		46639	46539	46539LG	46739	46139		150	3	621	
	42 x 78	46922	46422	46822									100	2	622	
	50 x 50	46929	46429	46829									46029	200	4	623
			46429											600		
	52 x 107	46911	46411	46811	46211	46311	46611	46511	46511LG	46711	46111	46011	100	2	624	
			46411	46811					46511							
	60 x 50	46960											46060	200	4	628
	62 x 88	46941	46441	46841									50	1	625	
	105 x 110	46913	46413	46813	46213								50	1	627	
	110 x 140	46942	46442	46842									50	1	273	



Directly on suitable surfaces

template with PET support ..... page 12  
ribbons ..... page 13

# MG-PYT

## Labels

self adhesive, precut

Polyester film self adhesive labels, suitable for marking components, with better resistance to high temperatures, temperature variations and shrinkage than PVC versions.

Note: Metallic grey has limited resistance to UV.



**Material:** Polyester film; the colours white PET99005WH and metallic grey PET99005GY are UL approved

**Operating temperature range:** -40°C to +130°C

**Application temperature range:** +10°C to +40°C



Family	Component	Size mm	Type		Quantity	Labels per sheet	SW code
			white PET99005WH	metallic grey PET99005GY			
MG-PYT		6 x 15	47916	47816	5.250	105	181
				47816	15.750		
		7 x 10	47191	47181	6.000	120	191
	Siemens	7 x 20	47920	47820	3.000	60	190
		9 x 15	47195	47185	3.500	70	161
	Siemens	9 x 20	47196N	47186N	2.750	55	162
			47196N		8.250		
		25 x 50	47918	47818	400	8	612
		32 x 58	47922	47822	150	3	621
		42 x 78	47927	47827	100	2	622
		52 x 107	47914	47814	100	2	624
		62 x 88	47921	47821	50	1	625
		75 x 120	47915	47815	50	1	626
		105 x 110	47913	47813	50	1	627



Directly on suitable surfaces

template with PET support ..... page 12  
ribbons ..... page 13



# MG-VCT

## Labels

*self adhesive, precut*

Dielectric labels with permanent adhesive backing and increased resistance to ageing.

Their flexibility and strength make them particularly suitable for marking curved surfaces.



**Material:** Cotton fabric coated with Acrylic

**Operating temperature range:** -40°C to +150°C

**Application temperature range:** +10°C to +40°C



Family	Size mm	Type		Quantity	Labels per sheet	SW code
		white	yellow			
MG-VCT	6 x 15	48090	48040	5.250	105	181
			48040	15.750		
	7 x 10	48091	48041	6.000	120	191
			48014	4.000		
	9 x 12		48014	12.000	80	160
			48014			
	9 x 15	48095	48045	3.500	70	161
			48045	10.500		
	9 x 20	48096N	48046N	2.750	55	162
			48046N	8.250		
	11 x 38	48097	48047	1.350	27	184
			48047	4.050		



Directly on suitable surfaces.

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# MG-PLC

## PLC legends

### precut

Legends replace the strips supplied with the devices and automatically print at the correct spacing.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94.

**Operating temperature range:** -40°C to +130°C



Family	Component	Size mm	Type				Quantity	Legends per sheet	SW code	
			white	yellow	Siemens green	grey				
MG-PLC-HF	I/O Siemens SIMATIC ET 200S	12,7 x 50	71092-HF	71042-HF	71052-HF	71002-HF	140	14	885	
	PLC Siemens SIMATIC ET 200SP	12,7 x 31	71098-HF	71048-HF	71058-HF	71008-HF	210	21	900	
				71048-HF	71058-HF		1.680			
	PLC Siemens SIMATIC S7-1500 KOMPAKT	12,7 x 109	71099-HF	71049-HF	71059-HF	71009-HF	80	8	897	
	PLC Siemens SIMATIC S7-300	17,5 x 103,5	71090-HF	71040-HF	71050-HF	71000-HF	60	6	882	
			71090-HF				480			
		22 x 38		71097-HF	71047-HF			100	10	904
				71091-HF	71041-HF	71051-HF	71001-HF	40	4	883
		22,75 x 103,5		71091-HF			320			
PLC Siemens SIMATIC S7-1500	22,75 x 109	71096-HF	71046-HF	71056-HF		40	4	896		
PLC Siemens SIMATIC S7 Profisafe 6ES7	25,6 x 50		71094-HF	71044-HF	71054-HF	71000-HF	80	8	895	
				71044-HF	71054-HF		640			
PLC Siemens SIMATIC	52 x 80			71053-HF		20	2	899		



# MG-PLC



**Material:** SBS Styrene-Butadiene-Styrene, Halogen free, self extinguishing class HB: according to UL94

**Operating temperature range:** -30°C to +70°C

SBS
0.5mm
0.5mm
HF
SF
-30°C
+70°C

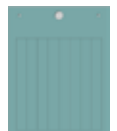


Family	Component	Size mm	Type white	Legends per sheet	Quantity	SW code
MG-PLC-SBS	PLC Siemens SIMATIC ET 200SP	10 x 15	71190-SBS	9	90	1201



Direct application to PLCs.  
Use the 991611 ribbon to print FLAT Polycarbonate items

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# MG-SAT

## Security labels

ultra destructible and anti tamper film, precut

**MG-SAT-V** "Void" anti tamper film: when removed, leaves the word "Void" on the surface, as evidence of its removal.

**MG-SAT-C** "Checker-board" anti tamper film: when removed, leaves behind a checker-board imprint on the surface, as evidence of its removal.

**MG-SAT-D** Ultra destructible film: when removed, allowing two hours after application, this film will break up into very small fragments to prevent replacement.



### MG-SAT-V

**Material:** matt Polyester film

**Operating temperature range:** -40°C to +140°C

PET SF 40°C 140°C



Family	VOID	Size mm	Type white	Quantity	Tags per sheet	SW code
MG-SAT-V		20 x 62	29004	500	10	615
		24 x 38	29001	300	6	270
		37 x 74	29002	100		
		52 x 105	29003	100	2	271
			29003	300		

### MG-SAT-C

**Material:** matt Polyester film

**Operating temperature range:** -40°C to +140°C

PET SF 40°C 140°C



Family	CHECKER BOARD	Size mm	Type metallic grey	Tags per sheet	Quantity	SW code
MG-SAT-C		9 x 15	29806	70	3.500	161
		15 x 49	29807	14	700	187
		24 x 38	29801	6	300	270
		37 x 74	29802	2	100	271
		52 x 105	29803	2	100	272
		110 x 140	29804	1	50	273

### MG-SAT-D

**Material:** film PE-HD

**Operating temperature range:** -30°C to +80°C

PEHD SF 30°C 80°C



Family	ULTRADESTRUCTIBLE	Size mm	Type white	Tags per sheet	Quantity	SW code
MG-SAT-D		9 x 15	29906	70	3.500	161
		15 x 49	29907	14	700	187
		24 x 38	29901	6	300	270
		37 x 74	29902	2	100	271
		52 x 105	29903	2	100	272



Directly on suitable surfaces.

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# MG-17.5

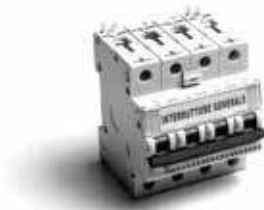
## Modular legends

### precut

The MG-17.5-R series comprises legends designed for use with modular components.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

PVC
SF
30°C
+
60°C
RoHS COMPLIANT 2011/65/EU

Family	Component	N° of modules	Size mm	Type						Quantity	Tags per sheet	SW code
				white PVC10050WH	yellow PVC10050YE	grey	red	blue	black			
MG-17.5-R	Gewiss	6	10 x 105	990948						500	10	530
	Bticino	6	12 x 105	990788N						400	8	332
	Merlin Gerin	1	15 x 17,5	990768N	990769N	990785NGY	990863N		990862N	1.050	42	321
		2	15 x 35	990766N	990767N	990784NGY	990865N		990864N	1.050	21	322
		3	15 x 52,5	990764N	990765N	990783NGY	990908N		990907N	700	14	323
		4	15 x 70	990762	990763	990782GY	990912		990911	300	6	324
		5	15 x 87,5	990755	990761	990781GY				300	6	325
		6	15 x 107,5	990798N	990799N	990809NGY	990846	990847		350	7	329
		1	25 x 18	990889	990895		990900		990914	1.200	24	335
		Merlin Gerin	1½	25 x 27	990891	990892		990897		990915	800	16
	Merlin Gerin	2	25 x 36	990888	990894		990899		990916	600	12	336
	Merlin Gerin	3	25 x 50	990887	990893		990898		990917	400	8	337
	Merlin Gerin	4	25 x 70	990890	990896		990901		990918	200	4	338
		1	37,5 x 17,5	990950	990951		990952		990953	900	18	345
		8	15 x 140	990883	990884					350	7	331

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
40°C
+
130°C
RoHS COMPLIANT 2011/65/EU

Family	N° of modules	Size mm	Type metallic grey	Tags per sheet	Quantity	SW code
MG-17.5-R-HF	1	15 x 17,5	990785N-HF	42	1.050	321
	2	15 x 35	990784N-HF	21	1.050	322
	3	15 x 52,5	990783N-HF	14	700	323
	4	15 x 70	990782-HF	6	300	324
	5	15 x 87,5	990781-HF	6	300	325
	6	15 x 107,5	990809N-HF	7	350	329



Use the modular legend for Merlin Gerin directly on the components or with self adhesive modular backing strips.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

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legend rails RT-TAP ..... page 144



# MG-17.5

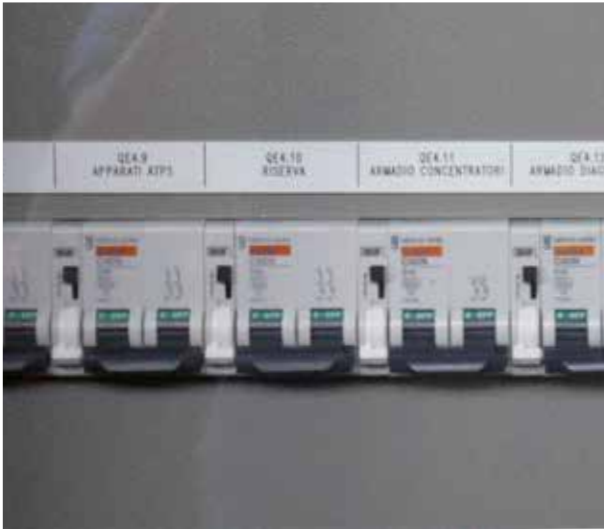
## Modular legends

self adhesive, precut

The MG-17.5-A series comprises self adhesive legends designed for use with modular components.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

**Application temperature range:** +10°C to +40°C



Family	N° of modules	Size mm	Type							Quantity	Tags per sheet	SW code
			white PVC10050WH	yellow PVC10050YE	grey	red	blue	green	black			
MG-17.5-A	2	15 x 35	990753N	990820N	990822NGY	990923N	990963N	990954N	990913N	525	21	922
	6	15 x 107,5	990824	990826	990827NGY	990929	990926	990925	990833N	175	7	929
	6	20 x 107,5	990972							125	5	946
	1	25 x 18	990869	990878		990905			990919	600	24	935
	1½	25 x 27	990871	990872		990902			990920	400	16	934
	2	25 x 36	990868	990877		990904	990970		990921	300	12	936
	3	25 x 50	990867	990873		990903			990922	200	8	937
									990922	600		
	4	25 x 70	990870	990879		990906			990924	100	4	938
				990879					990924	300		
8	15 x 140	990880	990881						175	7	931	
		990880							525			

**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94

**Operating temperature range:** -40°C to +130°C

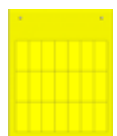


Family	N° of modules	Size mm	Type		Tags per sheet	Quantity	SW code
			white	metallic grey			
MG-17.5-A-HF	2	15 x 35		990822N-HF	21	525	922
	6	15 x 107,5		990827N-HF	7	175	929
	6	20 x 107,5	990972-HF		5	125	946
	8	15 x 140		990882-HF	7	175	931



Merlin Gerin modular tags can be used directly on rails or vinyl adhesive base strips.  
Directly on the panel.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

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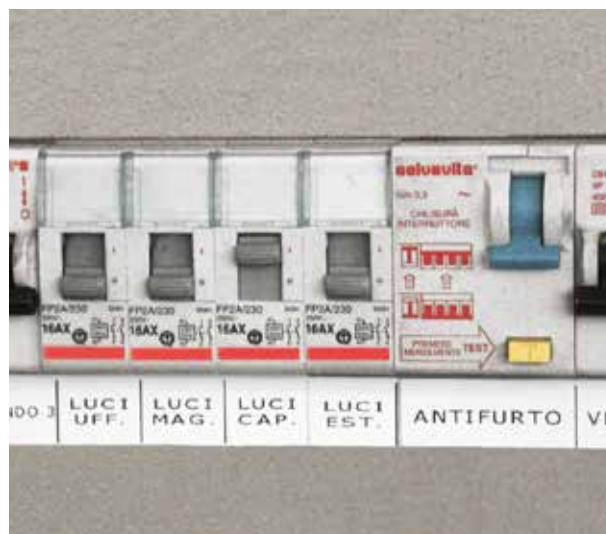
# MG-17.5

## Modular labels

15 mm, self adhesive, precut

The MG-17.5 series comprises labels designed for use with modular components.

Consult us for availability of other colours. Note: UV resistance may vary between colours.



### MG-17.5-VY

**Material:** PVC film; the colours white PVC99008WH and yellow PVC990080YE are UL approved.

**Operating temperature range:** -30°C to +70°C

**Application temperature range:** +10°C to +40°C



Family	N° of modules	Size mm	Type		Labels per sheet	Quantity	SW code
			white PVC99008WH	yellow PVC990080YE			
MG-17.5-VY	6	15 x 107,5	990746N	990747N	7	350	570

### MG-17.5-PY

Metallic grey labels are used indoor.

**Material:** Polyester film: the colours white PET99005WH and metallic grey PET99005GY are UL approved.

**Operating temperature range:** -40°C to +130°C

**Application temperature range:** +10°C to +40°C



Family	N° of modules	Size mm	Type		Quantity	Labels per sheet	SW code
			white PET99005WH	metallic grey PET99005GY			
MG-17.5-PY	6	15 x 107,5	990777N	990779N	350	7	570
			990777N		1.050		
	8	15 x 140	990931		350	7	931



Directly on the panel or with modular backing strips in PVC.

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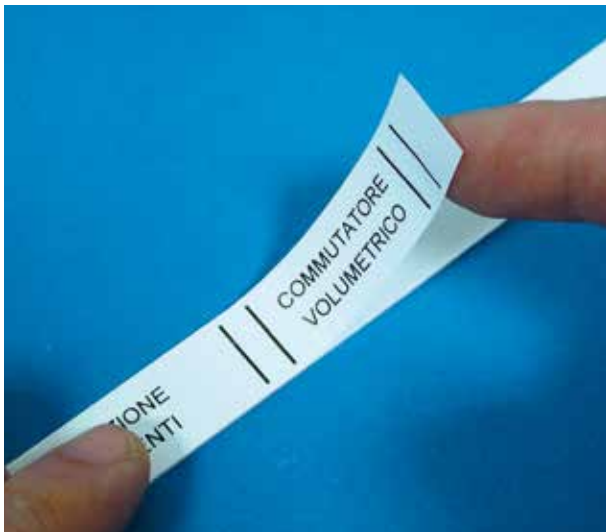


# MG-17.5

## Modular backing strips

15 mm, precut

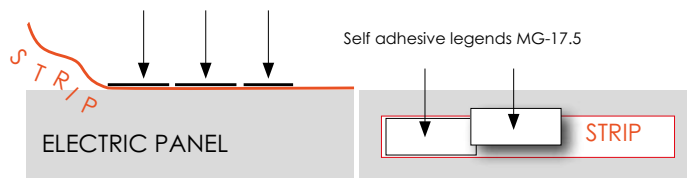
The backing strips are ideal for modular components to achieve a perfect alignment of MG-17.5 legends in up to 430 mm long strips, to be applied directly on the panel or in mounting rails.



**Material:** PVC film

**Operating temperature range:** -30°C to +70°C

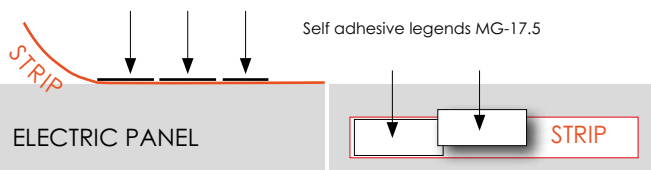
**Application temperature range:** +10°C to +40°C



PVC 0.1mm SF -30°C +70°C



self adhesive	Size mm	Type		Thickness mm	Quantity
		white	yellow		
✓	15 x 430	990752	990756	0,1	10



**Material:** Rigid PVC, self extinguishing class V0: according to UL94

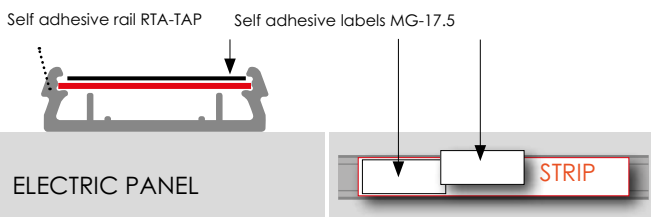
**Operating temperature range:** -30°C to +60°C

**Application temperature range:** +10°C to +40°C

PVC 0.7mm SF -30°C +60°C



self adhesive	Size mm	Type		Thickness mm	Quantity
		white	yellow		
✓	15 x 430	990759	990760	0,7	10



**Material:** Rigid PVC, self extinguishing class V0: according to UL94

**Operating temperature range:** -30°C to +60°C

**Application temperature range:** +10°C to +40°C

PVC 0.5mm SF -30°C +60°C



Size mm	Type		Thickness mm	Quantity
	white	yellow		
15 x 430	990757	990758	0,5	10



Directly on the panel.

modular legends MG-17.5..... page 45  
 modular labels MG-17.5 ..... page 46  
 rails RT-TAP ..... page 144



Customisable panel plates



Print legend & rating plates with full colour logos.

- more time-efficient, cost-effective and adaptable than having plates printed by external suppliers
- matched aesthetic qualities of all printed labels, markers & legends
- provides complete inhouse control of all identification & labelling functions

Free system lifetime support & training is just a call or click away.

To request a quote complete the form on page 190 or download the pdf version from our website.

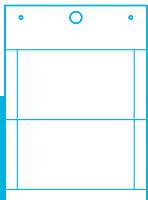
Relevant performance standards

resistance to UV: **UNI EN ISO 4892-2**

indelibility of print: **CEI 16-7, CEI 23-11 / CEI EN 61058-1, CEI EN 61010-1 / VDE 0411-1, CEI EN 61439-1: 2010-01**



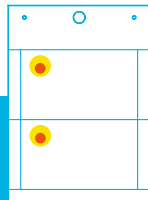
To request a quote login at <https://my.cembre.com>.



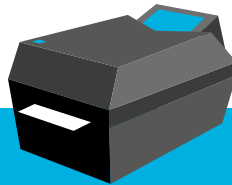
WE PRE-PRINT...



**YOUR LOGO  
IN FULL  
COLOR**



...YOU ADD DATA  
WITH OUR  
GENIUS PRINTERS  
IN SECONDS...



**RESULT:  
A HIGH QUALITY  
PRINTED LEGEND  
OR RATING PLATE!**

# MG-VRT-R

## Panel plates rivet fixing



customisable

MG-VRT-R rigid PVC panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.

**Material:** Rigid PVC, self extinguishing class V0 according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

PVC
SF
-30°C
+60°C
UL
RoHS

Family	Size mm	Type						Quantity	Cover	Tags per sheet	SW code
		white PVC10050WH	yellow PVC10050YE	grey	red	green	black				
MG-VRT-R	25 x 80	48908	48408					200		4	861
	25 x 100	48905	48405					200		4	205
	25 x 140	48946						200		4	824
	30 x 70	48929						150		3	820
	32 x 58	48900N	48400N	48700NGY				300	47590	6	200
	35 x 100	48917	48417	48717GY	48217			75		3	810
	42 x 78	48901	48401	48701GY				100	47591	2	202
	50 x 50	48918	48418		48218		48118	200		4	858
	50 x 100	48997			48297		48197	50		2	844
		48997						150			
	52 x 107	48903	48403	48703GY	48223		48103	100	47592	2	204
			48403					300			
	60 x 100	48941						50	47596	2	821
	62 x 88	48902	48402	48702GY				50	47594	1	203
				48702GY				150			
	92 x 118	48913	48413	48713GY	48213	48513	48113	50	47593	1	813
	102 x 138	48928	48428	48728GY	48228			50	47595	1	207
						48128	150				
105 x 110	48904		48704GY				50		1	859	



Directly on suitable surfaces.

template with PET support ..... page 12  
 ribbons ..... page 13  
 transparent cover CPT ..... page 143



# MG-VRT-R

Panel plates rivet fixing, Halogen free

customisable

MG-VRT-R Polycarbonate panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc.

Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0 according to UL94; the colour white PC10050WH is EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
40°C
130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type			Cover	Quantity	Tags per sheet	SW code
		white PC10050WH	matt white	metallic grey				
MG-VRT-R-HF	32 x 58	48900N-HF		48700N-HF	47590	300	6	200
	35 x 100	48917-HF		48717-HF		75	3	810
	42 x 78	48901-HF		48701-HF	47591	100	2	202
	50 x 50	48918-HF		48718-HF		200	4	858
	52 x 107	48903-HF		48703-HF	47592	100	2	204
		48903-HF				300		
	62 x 88	48902-HF		48702-HF	47594	50	1	203
	75 x 120	48944-HF				50	1	815
	92 x 118	48913-HF		48713-HF	47593	50	1	813
	102 x 138	48928-HF	489280P-HF	48728-HF	47595	50	1	207



Directly on suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support ..... page 12  
ribbons ..... page 13  
transparent cover CPT ..... page 143



# MG-VRT-RH

Panel plates rivet fixing with holes

customisable

MG-VRT-RH rigid PVC panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0 according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

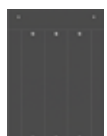


Family	Size mm	Type					Quantity	No. Holes Ø 4 mm	Tags per sheet	SW code
		white PVC10050WH	yellow PVC10050YE	grey	red	blue				
MG-VRT-RH	15 x 35	49906	49406				1.050	2	21	837
	15 x 52	48924	48424				350	2	14	831
		48924					1.050			
	15 x 80	48938	48438				175	2	7	828
	25 x 50	48906	48406	48806GY			200	2	8	860
	25 x 75	48907	48407				100	2	4	809
	25 x 80	48931					100	2	4	832
	25 x 100	48914	48414				200	2	4	206
		48932	48432				75			
	29 x 140						48132	2	3	834
							225			
	35 x 50	48930					150	2	6	833
		48937	48437				75			
	35 x 80	48909	48409				75	2	3	818
		48909					225			
	50 x 100	48911	48411	48811GY			50	4	2	811
	50 x 140	48919					50	4	2	872
	60 x 100	48927					50	4	2	842
75 x 120	48915	48415				50	4	1	816	
82 x 142	48921	48421				50	4	1	836	
	48912	48412	48712GY			25				
105 x 110	48912					75	4	1	859	



Directly on suitable surfaces.

template with PET support ..... page 12  
ribbons ..... page 13



# MG-VRT-RH

Panel plates rivet fixing with holes, Halogen free

customisable

MG-VRT-RH Polycarbonate panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94; the colour white PC10050WH is EN 45545-2 approved.

**Operating temperature range:** -40°C to +130°C

PC
HF
SF
-40°C
+130°C
EN 45545-2
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type			Quantity	No. Holes Ø 4 mm	Tags per sheet	SW code
		white PC10050WH	matt white	metallic grey				
MG-VRT-RH-HF	15 x 52	48924-HF			350	2	14	831
	15 x 80	48938-HF	489380P-HF		175	2	7	828
	25 x 50			48806-HF	200	2	8	860
	25 x 75	48907-HF			100	2	4	809
	25 x 80	48931-HF			100	2	4	832
		48931-HF			300			
	29 x 140	48932-HF			75	2	3	834
	35 x 50	48930-HF			150	2	6	833
	35 x 142	48923-HF			150	2	3	835
	50 x 100			48811-HF	50	4	2	811
	50 x 140	48919-HF			50	4	2	872
	75 x 120	48915-HF		48815-HF	50	4	1	816
105 x 110			48712-HF	25	4	1	859	

**Material:** SBS Styrene-Butadiene-Styrene, Halogen free, self extinguishing class HB: according to UL94

**Operating temperature range:** -30°C to +70°C

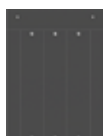
SBS
HF
SF
-30°C
+70°C
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type		No. Holes	Tags per sheet	Quantity	SW code
		white	yellow				
MG-VRT-RH-SBS	50 x 100	48911-SBS	48411-SBS	4	2	50	811



Directly on suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support..... page 12  
ribbons ..... page 13



# MG-VRT-A

## Panel plates self adhesive

customisable

MG-VRT-A rigid PVC self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

**Application temperature range:** +10°C to +40°C



Family	Size mm	Type							Quantity	Cover	Tags per sheet	SW code
		white PVC10050WH	yellow PVC10050YE	grey	red	blue	green	black				
MG-VRT-A	15 x 102					88655			175		7	829
	20 x 127	88973							125		5	826
	25 x 50	88916	88416	88716GY	88216	88616	88516	88116	200		8	853
	25 x 80	88908	88408	88708GY	88208	88608		88108	100		4	861
	25 x 100	88905	88405		88205	88605		88005	100		4	205
	25 x 140	88946	88446						100		4	824
	32 x 58	88900N	88400N	88700NGY	88200N	88600N		88000N	150	47590	6	200
			88400N					88000N	450			
	35 x 75	88945	88445	88745GY					75		3	825
	35 x 100	88917	88417	88717GY	88217	88617	88517	88007	75		3	810
							88517		225			
	40 x 138	88935		88735GY	88235			88135	50		2	822
	42 x 78	88901	88401	88701GY	88201	88601		88101	50	47591	2	202
	50 x 50	88918	88418					88118	100		4	858
	52 x 107	88903	88403	88703GY	88203	88603		88103	50	47592	2	204
		88903						88103	150			
	57 x 82,5	88971		88716GY					50		2	841
	60 x 100	88962		88762GY					50		2	821
	62 x 88	88902	88402	88702GY					25	47594	1	203
	65 x 122	88963							25		1	845
	90 x 140	88964							25		1	846
	92 x 118	88913	88413	88713GY	88213	88613		88113	25	47593	1	813
	102 x 138	88928	88428	88728GY	88228	88628		88128	25	47595	1	207
				88728GY					75			
105 x 110	88904	88404	88704GY	88204				25		1	812	
			88704GY					75				



Directly on suitable surfaces.

template with PET support ..... page 12  
 ribbons ..... page 13  
 transparent cover CPT ..... page 143



# MG-VRT-A

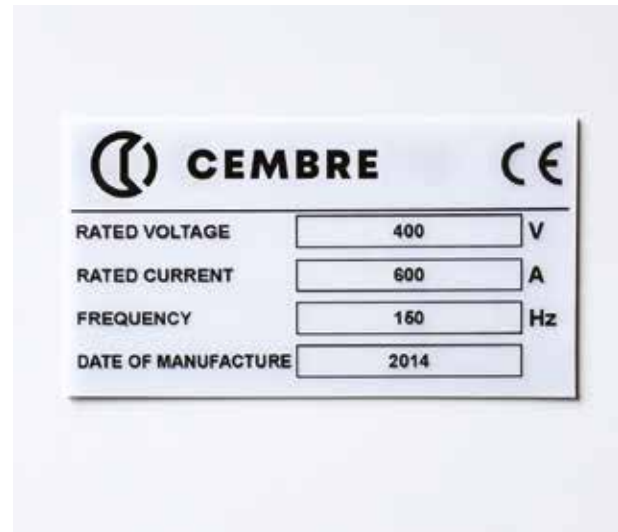
Panel plates self adhesive, Halogen free

customisable

MG-VRT-A Polycarbonate self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent Polycarbonate covers can be used for increased durability.

Consult us for availability of other colours and transparent versions.

Note: UV resistance may vary between colours.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94

**Operating temperature range:** -40°C to +120°C

**Application temperature range:** +10°C to +40°C



Family	Size mm	Type		Quantity	Cover	Tags per sheet	SW code	
		white	metallic grey					
MG-VRT-A-HF	20 x 110		88765-HF	125		5	779	
	25 x 50		88716-HF	200		8	853	
	25 x 80	88908-HF	88708-HF	100		4	861	
	32 x 58			88700N-HF	150	47590	6	200
				88700N-HF	450			
	35 x 100			88717-HF	75		3	810
	40 x 138			88735-HF	50		2	822
	42 x 78		88901-HF	88701-HF	50	47591	2	202
			88901-HF		150			
	50 x 100			88769-HF	50		2	811
				88769-HF	150			
	52 x 107	88903-HF	88703-HF	50	47592	2	204	
	57 x 82.5			88771-HF	50		2	841
	60 x 100			88762-HF	50		2	821
				88762-HF	150			
	62 x 88			88702-HF	25	47594	1	203
	92 x 118			88713-HF	25	47593	1	813
	100 x 140			88777-HF	25	47595	1	838
			88777-HF	75				
102 x 138		88928-HF	88728-HF	25	47595	1	207	
			88728-HF	25				
105 x 110	88904-HF	88704-HF	25		1	812		



Directly on suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support ..... page 12  
ribbons ..... page 13  
transparent cover CPT ..... page 143



# MG-VRT-AH

Panel plates self adhesive with holes

customisable

MG-VRT-AH rigid PVC self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent polycarbonate covers can be used for increased durability.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: according to UL94; the colours white PVC10050WH and yellow PVC10050YE are UL approved.

**Operating temperature range:** -30°C to +60°C

**Application temperature range:** +10°C to +40°C

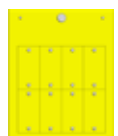
PVC
SF
-30°C
+60°C
UL US
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type						Quantity	No. Holes Ø 4 mm	Tags per sheet	SW code	
		white PVC10050WH	yellow PVC10050YE	grey	red	blue	black					
MG-VRT-AH	15 x 52	88940					88140	350	2	14	831	
	20 x 40	88920	88420	88720GY				250	2	10	864	
	25 x 50		88906	88406					200	2	8	860
				88406					600			
	25 x 75	88907	88407		88207			100	2	4	809	
	25 x 80		88942					88142	100	2	4	832
								88142	300			
	25 x 100	88914	88414		88214			100	2	4	206	
	25 x 140	88927	88427					100	2	4	871	
	29 x 140	88943					88143	75	2	3	834	
	30 x 115	88967	88467					75	2	3	780	
	35 x 50	88941					88141	150	2	6	833	
	35 x 75	88929						75	2	3	817	
	35 x 85		88944	88444					75	2	3	823
			88944						225			
	35 x 100	88909	88409					75	2	3	818	
	35 x 100	88910	88410					75	4	3	818	
	35 x 142		88939					75	2	3	835	
			88939					225				
	40 x 150	88968	88468					50	2	2	781	
	42 x 78	88922	88422					50	2	2	819	
	50 x 100	88911	88411		88211			50	4	2	811	
	50 x 140	88919				88619		50	4	2	872	
	50 x 150		88956					50	4	2	843	
			88915	88415			88115	25				
	75 x 120			88415				75	4	1	816	
			88938					25				
	82 x 142	88937			88237	88637		25	4	1	836	
102 x 138		88937					75	4	1	208		
		88912	88412	88712GY			25					



Directly on suitable surfaces.

template with PET support ..... page 12  
ribbons ..... page 13



# MG-VRT-AH

## Panel plates self adhesive with holes

customisable

MG-VRT-AH Polycarbonate self adhesive panel plates are used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, EC certification, etc. Transparent polycarbonate covers can be used for increased durability.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: according to UL94

**Operating temperature range:** -40°C to +120°C

**Application temperature range:** +10°C to +40°C

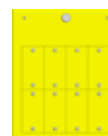
PC
HF
SF
40°C
120°C
+
RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type		Quantity	No. Holes Ø 4 mm	Tags per sheet	SW code
		yellow	metallic grey				
MG-VRT-AH-HF	20 x 40		88720-HF	250	2	10	864
			88720-HF	750			
	50 x 100		88711-HF	50	4	2	811
			88415-HF	88715-HF	25	4	1
	75 x 120		88415-HF	75	4	1	859
105 x 110			88712-HF	25	4	1	859



Directly on suitable surfaces.  
Use the 991611 ribbon to print FLAT Polycarbonate items.

template with PET support ..... page 12  
ribbons ..... page 13



# MG-SIGNS

## Panel legends

### precut

The MG-SIGNS legends is used for in-house production of warning, hazard, prohibition and mandatory signs from pictogram provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.



**Material:** Rigid PVC, self extinguishing class VO: according to UL94; the colour white PVC10050WH is UL approved.

**Operating temperature range:** -30°C to +60°C

**Application temperature range:** +10°C to +40°C

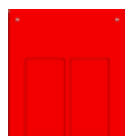
PVC
SF
-30°C
+60°C
UL US
RoHS COMPLIANT 2011/65/EU

Family	Shape	Self adhesive	Size mm	Type					Quantity	Ø mm Holes	Tags per sheet	SW code
				white PVC10050WH	yellow	red	gray	Siemens green				
MG-SIGNS-R			40		991120				200		4	243
			37 x 74	991052	991125	990987			100		2	271
			52 x 105	991147	991126		991148	991149	100		2	272
		—	Ø 62	991050					50	22.5	2	252
				991121					50	22,5	2	252
		—	Ø 90	991122					50	30	2	265
				991051					50	22.5	1	263
		—	Ø 90	991123					50	22,5	1	263
				991124					50	30,5	1	264
	MG-SIGNS-A		✓	40		991141				100		4
✓			100		991142				25		1	262
					991142				75			
		✓	Ø 40	990927	991140	990858			100		4	250
		✓	Ø 100	990705					25		1	253
		✓	37 x 74		991143	990986			50		2	271
		✓	40 x 80		991144				75		3	274
		✓	52 x 105		991145				50		2	272
				991145				150				



Directly on suitable surfaces.

template with PET support..... page 12  
ribbons ..... page 13



# MG-SIGNS

## Panel labels

self adhesive, pre-cut

The MG-SIGNS labels is used for in-house production of warning, hazard, prohibition and mandatory signs from pictogram provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.



**Material:** PVC film; the colour white PVC99008WH is UL approved.

**Operating temperature range:** -30°C to +70°C

**Application temperature range:** +10°C to +40°C

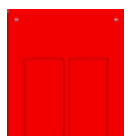


Family	Shape	Size mm	Type			Ø mm Holes	Labels per sheet	Quantity	SW code
			white PVC99008WH	yellow	red				
MG-SIGNS-VY		50		991103			4	200	241
		100		991105			1	50	242
		50		991104			4	200	260
		Ø 12,5		991101			49	2.450	235
		Ø 25	990860	990101	990992		12	600	236
		Ø 100	990702	991102			1	50	238
		37 x 74		991109	990988		2	100	246
		52 x 105	990825	991110			2	100	247
			62		991106		22,5	1	50
	90			991107		22,5	1	50	233
	90			991108		30,5	1	50	234
		45 x 150	990991				2	100	275



Directly on suitable surfaces.

template with PET support ..... page 12  
ribbons ..... page 13



# MG-SIGNS

## Panel labels

self adhesive, precut

The MG-SIGNS labels is used for in-house production of warning, hazard, prohibition and mandatory signs from pictogram provided in the library of GENIUSPRO software.

A highly versatile system for rapidly and accurately producing signs in all languages, on a one-off basis if required.



**Material:** Polyester film; the colour metallic grey PET99005GY and the base material PETSIGNWHTR are UL approved.

**Operating temperature range:** -40°C to +130°C

**Application temperature range:** +10°C to +40°C

PET
SF
-40°C
+130°C
RU
RoHS COMPLIANT 2011/65/EU

Family	Shape	Size mm	Type		Ø mm Holes	Labels per sheet	Quantity	SW code
			white/orange PETSIGNWHTR	metallic grey PET99005GY				
MG-SIGNS-PY		46 x 46		47826	24	4	200	230
		80 x 100	991057			1	50	276
		105 x 140	991058			1	50	277



Directly on suitable surfaces.

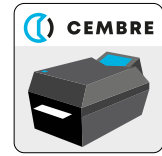
template with PET support..... page 12  
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THERMAL TRANSFER SYSTEM FOR SHEET MEDIA

100% MADE BY CEMBRE

M  
G4



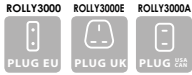
PRINTER · SOFTWARE/APP · CONSUMABLES ·

**GENIUSPRO**

THERMAL TRANSFER FOR SHEET MEDIA

# ROLLY3000

*Thermal transfer printer for roll media*



Robust and quiet, ROLLY3000 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

In addition to the standard USB and Ethernet interfaces, the ROLLY3000 can be connected via a wireless network. The printer is equipped with a mini USB stick that acts as a Wi-Fi antenna.

The printer is delivered complete with power & connection cables, GENIUSPRO software including a universal driver for Windows 7,8 & 10, 2.4 GHz 802.11b/g/n USB-WLAN stick and a black 842112 printer ribbon.

ROLLY3000 is ideal for printing all CEMBRE flat material on rolls, eg. cable tags for holders, tie on, wraparound cable markers, legend strips and labels.

ROLLY3000 is designed for optimum single side printing of TERMO-ROLL heat shrinkable tubing and particularly suitable for intensive use of this material in ladder format on a roll.

Maximum print area: 105 mm wide, up to 2 m long.

### SPEED

prints 4.000 4x10 cable tags  
in less than two minutes  
1.000 heat shrinkable tubing M2-32-25-YE1  
in less than three minutes

### CONVENIENCE

software provides quick and easy upload  
of the data to be printed

### ECONOMY

prints around 140.000 4x10 cable tags with a  
single ribbon 842112. Prints around 55.000  
heat shrinkable tubes M2-32-25-YE1  
with a single ribbon 842121

### QUALITY

printer resolution 300 dpi



### Printer Dimensions:

- Length 460 mm
- Width 252 mm
- Height 288 mm
- Weight 10 kg



Printer Type **ROLLY3000E** includes:

- Mains cable
- USB cable
- WLAN USB stick **ROLLY-WUS2.4**
- Cover
- Black printer ribbon **842112**
- Operating & Maintenance and User documentation Guarantee
- Software **FD-GENIUSPRO** on pen drive

### ROLLY3000 PRINTABLE MATERIAL

TPM-ROLL cable tags with holders.....	page 66
TAR-ROLL cable tags.....	page 67
KM-ROLL wraparound cable markers.....	page 68
ETF-ROLL cable tags.....	page 70
TAP-ROLL.....	page 72

VCT-ROLL lables.....	page 73
STRIP-ROLL modular strips.....	page 74
TTL labels.....	page 77
TIF continuous material.....	page 80
TERMO-ROLL heat-shrinkable tubing.....	page 82



software GENIUSPRO.....	page 8
accessories.....	page 64
ribbons.....	page 65



# ROLLY3000TR2

## Thermal transfer printer for roll media

double head, for heat shrinkable tubing

Robust and quiet, ROLLY3000TR2 provides reliable, intensive operation in office or factory combined with the facility to optimise printer set-up according to the media.

ROLLY3000TR2 is delivered complete with power & connection cables and GENIUSPRO software including a universal driver for Windows® (7, 8 & 10) to ensure program compatibility.

ROLLY3000TR2 is designed to optimise printing simultaneously on both sides of TERMO-ROLL heat shrinkable tubing in ladder format on a roll.

**Dedicated to high level applications where dual marking is an essential specification, eg in many rail, marine and aeronautic applications.**



### SPEED

1.000 heat shrinkable tubing M2-32-25-YE1 in less than three minutes

### CONVENIENCE

software provides quick and easy upload of the data to be printed

### ECONOMY

prints around 55.000 heat shrinkable tubes M2-32-25-YE1 with two ribbon 842121

### QUALITY

printer resolution 300 dpi



### Printer Dimensions:

- Length 594 mm
- Width 248 mm
- Height 395 mm
- Weight 21 kg

Printer Type **ROLLY3000TR2** includes:

- Mains cable
- USB cable
- 2 Black printer ribbons **844121**
- Operating&Maintenance and User documentation Guarantee
- Software **FD-GENIUSPRO** on pen drive



### ROLLY3000TR2 PRINTABLE MATERIAL

TERMO-ROLL heat-shrinkable tubing .....	page 82
TERMO-ROLL double head shrinkable tubing .	page 83



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# ACCESSORIES

## Cutters and accessories

for thermal transfer printer on roll media



### ROLLY3000-CUT

Fits to front of printer. Automatically cuts to length continuous TTL and flexible TTF material.



### ROLLY3000TR-CUT

Fits to front of printer. Automatically cuts or perforates to length TERMO-ROLL continuous heat shrinkable tubing.



While stocks last

### ROLLY2000-CUT

Fits to front of printer. Automatically cuts to length continuous TTL and flexible TTF material.



### ROLLY2000TR-CUT

Fits to front of printer. Automatically cuts or perforates to length TERMO-ROLL continuous heat shrinkable tubing.

Heat gun **EHG2000** variable temperature, power 2000W, for heat shrinkable tubing TERMO-ROLL

- Weight: 850 g (1.9 lbs)
- Temperature: +50°C to +600°C
- Voltage: 230-240 V - 50 Hz



DSP-TCS

### Dispenser **DSP-TCS**

Mobile dispensing and preparation frame for convenient use of bulk material.

Desk-dispenser **DSPB-TCS** Mobile dispensing and preparation stand for convenient use of bulk material.



DSPB-TCS



printer ROLLY3000 ..... page 62  
 printer ROLLY3000TR2 ..... page 63



# RIBBONS

## Monochrome ribbons

for thermal transfer printer on roll

ROLLY premium quality ribbons provide resin based indelible print in accordance with the scratch and abrasion resistance requirements of CEI 16-7.

TPPS-060 PREMIUM for printing Halogen Free material.



Family	Type						Print area mm	Width mm	Length m	for printers		Quantity
	black	blue	red	green	grey	white				ROLLY3000	ROLLY3000TR2	
TPS-060	842112	842113	842115	842114	842116		105	112	200	✓		1
	842132							30	200	✓		1
	842162							60	200	✓		1
TPPS-060 PREMIUM	842212					842222	105	110	300	✓		1

TR Ribbons provide resin based indelible print in accordance with the scratch and abrasion resistance requirements of CEI 16-7.

Specifically formulated for printing heat shrinkable tubing

Family	Type black	Print area mm	Width mm	Length m	for printers		Quantity
					ROLLY3000	ROLLY3000TR2	
TRR-055	842121	60	60	350	✓	✓	1
TRPR-060 PREMIUM	844121	60	60	350	✓	✓	1

The legibility of print produced on CEMBRE media by ribbons meets the requirements of:

- UNI EN ISO 4892-2:** UV resistance
  - CEI 16-7:** Resistance to abrasion and friction
  - CEI 16-7:** Effect of ageing
  - CEI 23-11 / CEI EN 61058-1:** Indelibility
  - CEI EN 61010-1 / VDE 0411-1:** Indelibility
  - CEMBRE INTERNAL TEST:** Indelibility
  - UNI EN ISO 9227:** Saline mist
  - CEI EN 60464-2:** Resistance to solvent vapour
  - DIN 30643:** Resistance to abrasion and rubbing
  - UNI EN ISO 175:** Effect of immersion in liquid chemicals
- Specifications page 192



printer ROLLY3000 ..... page 62  
 printer ROLLY3000TR2 ..... page 63



# TPM-ROLL

## Cable tags with holders

precut 4mm push in markers, on a roll

TPM-ROLL tags are used for marking cables, conduit, tubes, conductors and components.

Presented in stem format, tags are simply snapped off their stems and inserted into the appropriate holders.



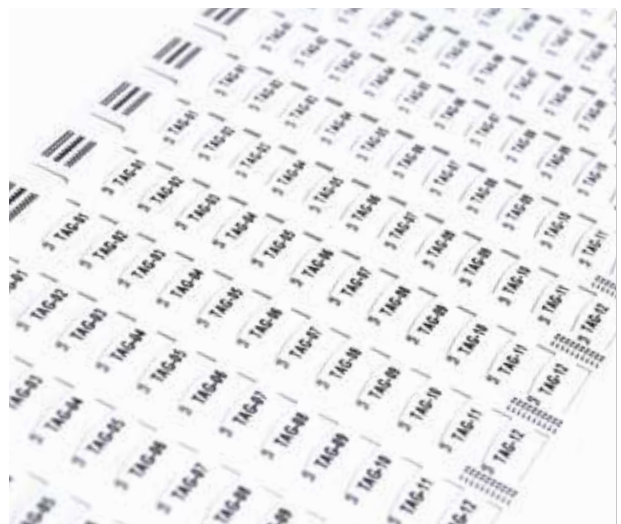
**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C to +60°C

PVC 30°C 60°C



Size mm	Type		Quantity	SW code
	white	yellow		
4 x 10	44090B	44040B	16.356	4020
4 x 12	44091B	44041B	12.552	4022
4 x 15	44092B	44042B	12.552	4023
4 x 20	44093B	44043B	10.200	4005
4 x 30	44096B	44046B	6.270	4026
4 x 40	44097B	44047B	5.005	4007



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tag holders PMF-AC ..... page 125  
 tag holders PMF-ET ..... page 126

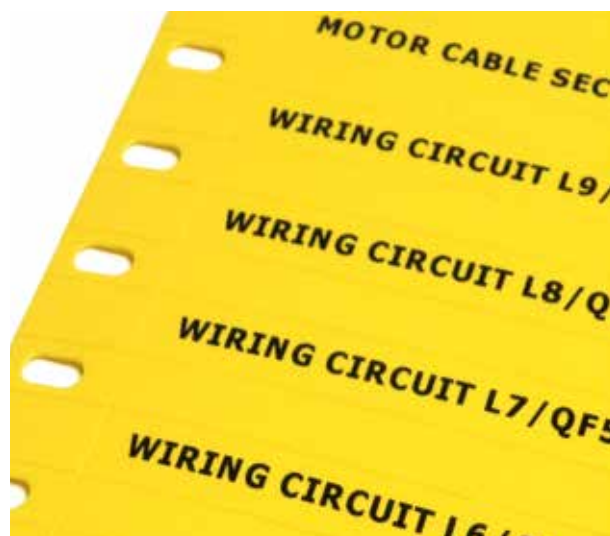


# TAR-ROLL

## Legends

precut

TAR-ROLL tags are used for marking cables, conduit, tubes, conductors and components.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C to +60°C



Family	Size mm	Type		Quantity	SW code
		white	yellow		
TAR-ROLL	9 x 15	75094	75044	5.000	4304
	9 x 20	75098		5.800	4301
	9 x 35	75095	75045	2.000	4303
	9 x 70	75099	75049	1.450	4300

**Material:** Polycarbonate PC, Halogen Free, self extinguishing class V0: UL94; the colours white PC10040WH and yellow PC10040YE are EN 45545-2 approved

**Operating temperature range:** -40°C to +130°C



Family	Size mm	Type					Quantity	SW code
		white PC10040WH	yellow PC10040YE	blue	Siemens green	orange		
TAR-ROLL-HF	15 x 40	75096-HF	75046-HF	75066-HF	75056SGN-HF	75036-HF	2.250	4302



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tag holders PMF-ET ..... page 126  
tag holders PMT-AC ..... page 127

cable ties ..... page 135  
rails RT-TAPW ..... page 145



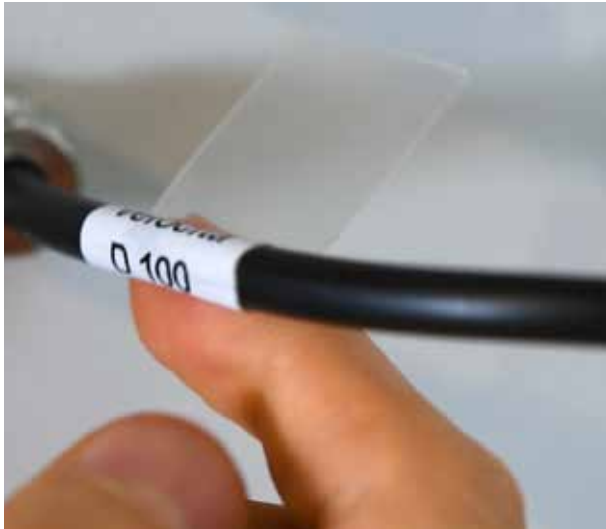
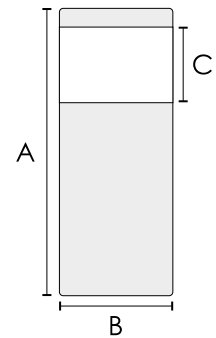
# KM-ROLL

## Wraparound cable markers

Self adhesive, precut, Halogen Free

KM-ROLL-PO wraparound cable markers are suitable for identify Large diameter cables, tubes and conduit.

The increased thickness of the label improves the handling and flexibility of the material, facilitating its application on the cable.



**Material:** Polyolefin PO99006TR, Silicon free, Halogen free, certified UL 969.

**Operating temperature range:** -70°C to +140°C

**Application temperature range:** +10°C to +40°C



Family	Overall length A mm	Wrapping diameter mm	Print area Cx B mm	Type		Columns	Rows	Quantity	SW code
				white PO99006TR	yellow PO99006TR				
KM-ROLL019	19	2 ÷ 3	9 x 13	61962-013N	61462-013N	5	1.400	7.000	4612
KM-ROLL025	25	2,6 ÷ 4,1	9 x 15	61955-015N	61455-015N	5	1.700	8.500	4600
			9 x 23	61955-023N	61455-023N	4	1.700	6.800	4601
KM-ROLL038	38	4,3 ÷ 7	10 x 15	61950-015N	61450-015N	5	1.200	6.000	4602
			10 x 23	61950-023N	61450-023N	4	1.200	4.800	4603
KM-ROLL050	50	6 ÷ 10	15 x 15	61951-015N	61451-015N	5	900	4.500	4604
			15 x 23	61951-023N	61451-023N	4	900	3.600	4605
KM-ROLL062	62	6,5 ÷ 12	18 x 12	61958-012N		6	834	5.000	4652
			32 x 38	61958-038N		2	750	1.500	4614
KM-ROLL067	67	6,5 ÷ 14,5	20 x 72	61966-072N	61466-072N	1	700	700	4613
KM-ROLL068	68	7 ÷ 13	22 x 40	61959-040N		2	750	1.500	4654
KM-ROLL075	75	8 ÷ 14	25 x 15	61952-015N	61452-015N	5	600	3.000	4606
			25 x 23	61952-023N	61452-023N	4	600	2.400	4607
KM-ROLL080	80	10 ÷ 17	25 x 47	61964-047N	61464-047N	2	625	1.250	4660
KM-ROLL092	92	11 ÷ 19	20 x 80	61965-080N	61465-080N	1	500	500	4661
KM-ROLL100	100	12 ÷ 20	25 x 15	61953-015N	61453-015N	5	480	2.400	4608
			25 x 23	61953-023N	61453-023N	4	480	1.920	4609
			25 x 50	61953-050N	61453-050N	2	500	1.000	4616
			32 x 38	61953-038N	61453-038N	2	500	1.000	4615
KM-ROLL135	135	20 ÷ 25	25 x 15	61954-015N	61454-015N	5	350	1.750	4610
			25 x 23	61954-023N	61454-023N	4	350	1.400	4611



Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.

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 ribbons ..... page 61  
 holders KMC ..... page 132



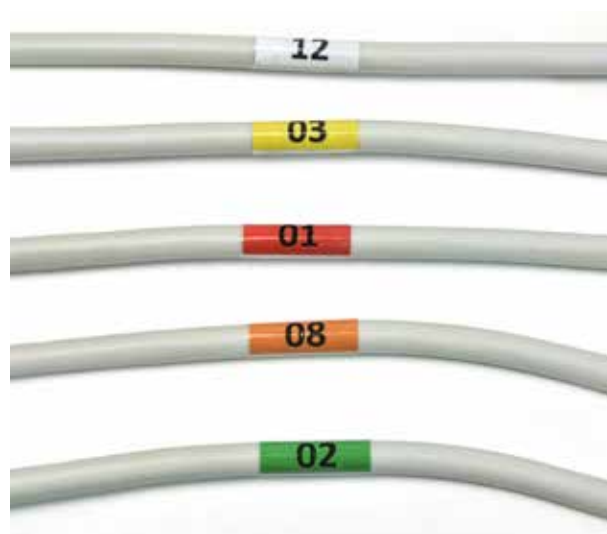
# KM-ROLL

## Wraparound cable markers

self adhesive, precut, Halogen Free

KM-ROLL wraparound cable markers are suitable for identifying large diameter cables, tubes and conduit.

Printing on ROLLY3000, is exceptionally clear and legible and is protected from chemical and atmospheric agents.



**Material:** Polyester film

**Operating temperature range:** -40°C to +130°C

**Application temperature range:** +10°C to +40°C



Family	Overall length A mm	Wrapping diameter mm	Print area CxB mm	Type						Columns	Rows	Quantity	SW code
				white	yellow	red	orange	blue	green				
KM-ROLL019	19	2 ÷ 3	9 x 13	58962-013N	58462-013N					5	1.400	7.000	4612
KM-ROLL025	25	2,6 ÷ 4,1	9 x 15	58955-015N	58455-015N					5	1.700	8.500	4600
			9 x 23	58955-023N	58455-023N					4	1.700	6.800	4601
KM-ROLL038	38	4,3 ÷ 7	10 x 15	58950-015N	58450-015N					5	1.200	6.000	4602
			10 x 23	58950-023N	58450-023N	58250-023N		58650-023N		4	1.200	4.800	4603
KM-ROLL050	50	6 ÷ 10	15 x 15	58951-015N	58451-015N					5	900	4.500	4604
			15 x 23	58951-023N	58451-023N	58251-023N	58351-023N		58551-023N		4	900	3.600
KM-ROLL062	62	6,5 ÷ 12	18 x 12	58958-012N						6	834	5.000	4652
KM-ROLL068	68	7 ÷ 13	22 x 40	58959-040N						2	750	1.500	4654
KM-ROLL075	75	8 ÷ 14	25 x 15	58952-015N	58452-015N					5	600	3.000	4606
			25 x 23	58952-023N	58452-023N					4	600	2.400	4607
KM-ROLL080	80	10 ÷ 17	25 x 47	58964-047N						2	625	1.250	4660
KM-ROLL083	83	12 ÷ 18	25 x 35	58960-035N						2	600	1.200	4654
KM-ROLL092	92	11 ÷ 19	20 x 80	58965-080N	58465-080N					1	500	500	4661
			25 x 15	58953-015N	58453-015N					5	480	2.400	4608
KM-ROLL100	100	12 ÷ 20	25 x 23	58953-023N	58453-023N					4	480	1.920	4609
			25 x 50	58953-050N						2	500	1.000	4616
KM-ROLL135	135	20 ÷ 25	25 x 15	58954-015N	58454-015N					5	350	1.750	4610
			25 x 23	58954-023N	58454-023N					4	350	1.400	4611
KM-ROLL138	138	15 ÷ 30	25 x 38	58961-038N						2	400	800	4655



Directly on cables, etc in accordance with wrapping diameter limitations shown for each size.

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 ribbons ..... page 61  
 holders KMC ..... page 132



# ETF-ROLL

## Cable & conduit tags tie-on

precut, one piece markers

ETF-ROLL tags are used with cable ties for marking large diameter cables, hoses, tubes and conduit.



### ETF-ROLL-SBS

**Material:** SBS Styrene-Butadiene-Styrene, Halogen free

**Operating temperature range:** -30°C to +70°C

**SBS** **HF** **SF** **-30°C** **+70°C**



Size mm	Ø min cable mm	Type										Print area mm	Quantity	SW code
		white	yellow	grey	red	orange	blue	green	pink	brown	black			
13 x 57	6	44192-SBS	44142-SBS	44182-SBS	44122-SBS	44132-SBS	44162-SBS	44152-SBS	44172-SBS	44172BR-SBS	44112-SBS	11 x 35	1.775	4400
20 x 65	8	44495-SBS	44445-SBS		44425-SBS	44435-SBS	44465-SBS	44455-SBS				18 x 38	1.000	4402
20 x 125	8	44494-SBS										18 x 98	500	4403
25 x 100	12	44193-SBS	44143-SBS	44183-SBS	44123-SBS		44163-SBS	44153-SBS			44113-SBS	23 x 75	400	4401

### ETF-ROLL-HF

**Material:** Polycarbonate PC, Halogen Free, self extinguishing class V0: UL94; the colours white PC10040WH and yellow PC10040YE are EN 45545-2 approved

**Operating temperature range:** -40°C to +130°C

**PC** **HF** **SF** **-40°C** **+130°C**



Size mm	Ø min cable mm	Type						Print area mm	Quantity	SW code
		white PC10040WH	yellow PC10040YE	red	blue	green	orange			
13 x 57	6	44192-HF	44142-HF	44122-HF	44162-HF	44152-HF	44132-HF	11 x 35	1.775	4400



# ETF-ROLL



## ETF-ROLL-TPU

**Material:** Thermoplastic-Polyether-Polyurethane TPU, Halogen Free, Flame Retardent, self extinguishing class V0: UL94

**Operating temperature range:** -25°C to +105°C



Size mm	Ø min cable mm	Type									Print area mm	Quantity	SW code
		white	yellow	red	light blue	blue	green	pink	orange	black			
10 x 60	6	44390	44340	44320	44360L		44350	44370	44330	44310	8 x 40	1.000	4450
20 x 30	10	44393	44343	44323	44363L		44353				9 x 28	1.000	4461
27 x 40	20	44293	44243	44223		44263			44233	44213	15 x 36	1.000	4451

## ETF-ROLL-MD

The tags have been developed to be used in industries requiring detection through metal detectors or X-ray equipment of foreign object during manufacturing and packaging, such as food and pharmaceutical industries.

Optimized in accordance with the most commonly used metal detectors and x-ray detectors. The compound meets requirements for food contact compliant with EU and FDA requirements.



**Material:** Thermoplastic-Polyether-Polyurethane TPU, Halogen Free, Flame Retardent, self extinguishing class V0: UL94

**Operating temperature range:** -25°C to +105°C



Size mm	min Ø cable mm	Type blue	Print area mm	Quantity	SW code
12 x 60	6	43160	9 x 40	1,000	4460
20 x 30	10	43168	9 x 28	1,000	4461



Directly on cables using appropriate cable ties.

printer ROLLY3000 ..... page 62  
cable ties max width 4,8 mm ..... page 135



# TAP-ROLL

## Legends

*precut*

MG-TAP legends are particularly versatile for identifying cables, conduit, push buttons, machinery, components, etc.

Consult us for availability of other colours.

Note: UV resistance may vary between colours.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C to +60°C

PVC - 30°C + 60°C



Family	Size mm	Type		Quantity	SW code
		white	yellow		
TAP-ROLL	15 x 27	37290	37240	3.375	4350
	15 x 49	37291	37241	1.100	4351



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 ribbons ..... page 65  
 legend holders PMF-ET..... page 126  
 legend holders PMT-AC..... page 127

push button legend bases PTP with cover TAP-CCS..... page 140  
 legend bases PL with cover TAP-CCS..... page 141  
 legend rails RT-TAP..... page 144



# VCT-ROLL

## Self adhesive labels

precut

Dielectric labels on a roll, with permanent adhesive backing and increased resistance to ageing.



**Material:** PVC Coated fabric

**Operating temperature range:** -40°C to +150°C

**Application temperature range:** +10°C to +40°C



Size mm	Type		Quantity	SW code
	white	yellow		
6 x 15		48048	10.000	4100
9 x 20	48094	48044	8.000	4502
15 x 50		48142	5.000	4503
40 x 7		48043	6.000	4500
100 x 10		48042	2.000	4501



Directly on suitable surfaces.

printer ROLLY3000..... page 62  
ribbons..... page 65



# STRIP-ROLL

## Modular component legend strips

on roll

Continuous STRIP-ROLL can be used for the identification of modular components.

GENIUSPRO software allows max label length 1.000 mm, with the ability to customise the pitch.



**Material:** Rigid PVC, self extinguishing class V0: UL94

**Operating temperature range:** -30°C to +60°C

PVC - 30°C + 60°C



Family	Height mm	Length m	Tracks	Type		Length Print area mm	Quantity	SW Code
				white	yellow			
STRIP-ROLL-R	9	25	1	13190	13140	free	1	5020
	15	25	1	13175	13176	free	1	5030
	10,5	25	1	13173		free	1	5014
	15	25	4	13160	13164	430	1	5002
						630		5102
						1.000		5202
	21	25	3	13161	13171	430	1	5005
						1.000		5205
	36	25	2	13162	13172	430	1	5006
1.000						5206		
40	25	2	13179	13174	free	1	5407	
80	25	1	13290	13240	free	1	5408	

**Material:** Polycarbonate PC, Halogen Free, self extinguishing class V0 according to UL94

**Operating temperature range:** -40°C to +130°C

PC HF - 40°C + 130°C



Family	Height mm	Length m	Tracks	Type metallic grey	Quantity	SW code
STRIP-ROLL-R-HF	9	25	1	13180-HF	1	5020
	15	25	1	13185-HF	1	5030



Directly on suitable surfaces.

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 ribbons ..... page 65  
 rails RT-TAP ..... page 144



# STRIP-ROLL

## Self adhesive modular component legend strips

on roll

Continuous STRIP-ROLL-A can be used for the identification of modular components.

GENIUSPRO software allows max label length 1.000 mm, with the ability to customise the pitch.



**Material:** Polyester film with thickened acrylic adhesive.

**Operating temperature range:** -40°C to +90°C

**PET** **-40°C** **+90°C**



Family	Self adhesive	Height mm	Length mm	Tracks	Type			Length Print area mm	Quantity	SW Code
					white	yellow	metallic grey			
STRIP-ROLL-A	✓	15	20	1	13390	13340	13380	free	1	5015
	✓	20	20	1	13391	13341	13381	free	1	5020

## Self adhesive modular component legend strips

on roll

Continuous STRIP-ROLL-A can be used for the identification of modular components.

GENIUSPRO software allows max label length 1.000 mm, with the ability to customise the pitch.



**Material:** Polyester film, the white colour PET99005WH is UL approved.

**Operating temperature range:** -40°C to +130°C

**Application temperature range:** +10°C to +40°C

**PET** **-40°C** **+130°C**



Family	Self adhesive	Height mm	Length mm	Tracks	Type white PET99005WH	Length Print area mm		Quantity	SW Code
STRIP-ROLL-PY	✓	15	25	4	13189		430	1	5002
							630		5102
							1.000		5202



Directly on suitable surfaces.

printer ROLLY3000..... page 62  
 ribbons ..... page 65  
 rails RT-TAP ..... page 144

# GMCTTL

## Customisable labels

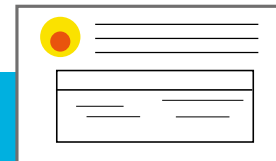
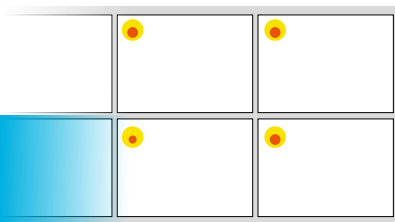
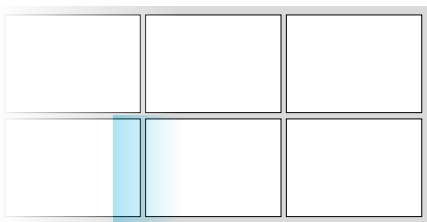
on roll

Print labels with full colour logos.

- more time-efficient, cost-effective and adaptable than having plates printed by external suppliers
- matched aesthetic qualities of all printed labels, markers & legends
- provides complete in-house control of all identification & labelling functions

Free system lifetime support & training is just a call or click away.

To request a quote linked at <https://my.cembre.com>



WE PRE-PRINT...

 YOUR FULL  
COLOUR  
LOGO

...YOU ADD DATA  
WITH  
OUR GENIUS PRINTERS  
IN SECONDS...

RESULT A HIGH  
QUALITY PRINTED  
LEGEND OR RATING  
PLATE!

# TTL

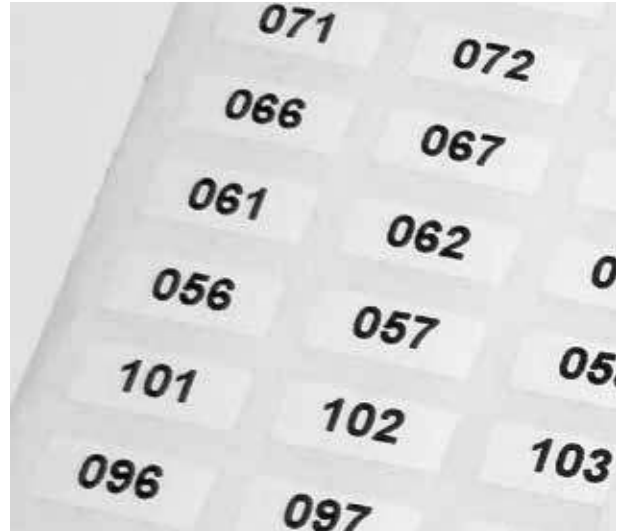
## Thermal transfer labels

self adhesive, on a roll

Thermal transfer labels are made from materials which are not temperature sensitive and whose surfaces are treated to accept the pigment from the ribbon heated by the print head.

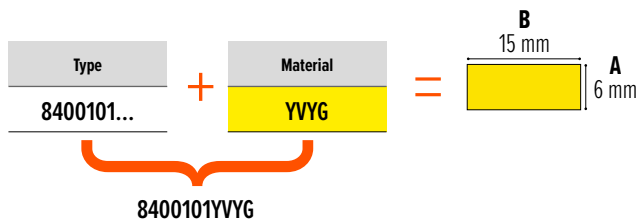
Labels are normally die cut on a roll and arranged horizontally with respect to the printer output, although some are arranged vertically.

When not in use, labels will maintain their good condition if stored in their original packaging and not subject to excessive heat or significant temperature variation. They should be removed from their packaging only at the time of use and not exposed to moisture for long periods.



white		yellow	metallic grey		Material
WVYG	WPYG	YVYG	SVYG	PPYG	
PVC film outdoor PVC99008WH	Polyester film PET99005WH	PVC film outdoor PVC99008YE	PVC film outdoor PVC99008GY	Polyester film PET99005GY	
-30°C	-40°C	-30°C	-30°C	-40°C	Min operating temperature
+70°C	+130°C	+70°C	+70°C	+130°C	Max operating temperature
+10°C	+10°C	+10°C	+10°C	+10°C	Min application temperature
+40°C	+40°C	+40°C	+40°C	+40°C	Max application temperature
gloss	gloss	gloss	gloss	gloss	Surface
80µ	50µ	80µ	73µ	50µ	Thickness
★★★★	★	★★★★	★★★★	★★	UV resistance
✓	✓	✓	✓	✓	Permanent adhesive
					UL approved

Example coding combination according to the dimensions and the material:



SF



Size AxB mm	Tracks	C mm	D mm	Type	white outdoor	white	yellow outdoor	metallic grey outdoor	metallic grey	Quantity	SW code
5 x 12,7	5	80	150	8400001...	WVYG	WPYG	YVYG	SVYG	PPYG	49.500	4125
5 x 20	4	93	150	8400123...	WVYG	WPYG	YVYG	SVYG	PPYG	40.000	4126
5 x 100	1	104	150	8400135...	WVYG	WPYG	YVYG	SVYG	PPYG	10.000	4114
6 x 15	5	90	130	8400101...	WVYG	WPYG	YVYG	SVYG	PPYG	30.000	4100
6,3 x 19	3	67	150	8400005...	WVYG	WPYG	YVYG	SVYG	PPYG	25.665	4129
7 x 10	5	66	150	8400093...	WVYG	WPYG	YVYG	SVYG	PPYG	40.000	4113
7 x 15	4	73	150	8400008...	WVYG	WPYG	YVYG	SVYG	PPYG	32.000	4102
7 x 20	3	70	150	*8401010...	WVYG	WPYG	YVYG	SVYG	PPYG	24.000	4101
8 x 12	4	60	150	8400091...	WVYG	WPYG	YVYG	SVYG	PPYG	29.080	4109
9 x 15	4	73	150	8400092...	WVYG	WPYG	YVYG	SVYG	PPYG	26.660	4107
9 x 20	3	70	150	8400017...	WVYG	WPYG	YVYG	SVYG	PPYG	19.995	4106
9 x 38	2	83	150	8400094...	WVYG	WPYG	YVYG	SVYG	PPYG	13.330	4108
10 x 32	2	70	150	8400081...	WVYG	WPYG	YVYG	SVYG	PPYG	12.300	4146
12 x 25	3	85	150	8400023...	WVYG	WPYG	YVYG	SVYG	PPYG	16.005	4112
12 x 35	2	77	150	8400088...	WVYG	WPYG	YVYG	SVYG	PPYG	10.660	4148
12 x 40	2	87	150	8400024...	WVYG	WPYG	YVYG	SVYG	PPYG	10.660	4149
12,7 x 50	2	107	140	8400028...	WVYG	WPYG	YVYG	SVYG	PPYG	8.000	4153
15 x 20	4	93	150	8400029...	WVYG	WPYG	YVYG	SVYG	PPYG	17.760	4155
15 x 27	3	90	150	*8401008...	WVYG	WPYG	YVYG	SVYG	PPYG	13.320	4120
15 x 34	2	75	140	8400030...	WVYG	WPYG	YVYG	SVYG	PPYG	6.500	4156
15 x 78	1	82	150	8400031...	WVYG	WPYG	YVYG	SVYG	PPYG	4.440	4157
18 x 30	3	100	150	8400032...	WVYG	WPYG	YVYG	SVYG	PPYG	11.415	4105
18 x 47	2	100	150	8400034...	WVYG	WPYG	YVYG	SVYG	PPYG	7.610	4159
21 x 70	1	74	150	8400070...	WVYG	WPYG	YVYG	SVYG	PPYG	3.330	4162
22 x 40	2	87	140	8400038...	WVYG	WPYG	YVYG	SVYG	PPYG	4.800	4164
22 x 110	1	114	150	8400067...	WVYG	WPYG	YVYG	SVYG	PPYG	3.200	4165
25 x 45	2	97	150	8400073...	WVYG	WPYG	YVYG	SVYG	PPYG	5.710	4168
25 x 80	1	84	130	8400075...	WVYG	WPYG	YVYG	SVYG	PPYG	2.100	4170
25,7 x 50	2	107	140	8400041...	WVYG	WPYG	YVYG	SVYG	PPYG	4.200	4172
30 x 50	1	54	150	8400042...	WVYG	WPYG	YVYG	SVYG	PPYG	2.420	4175
30 x 80	1	84	150	8400072...	WVYG	WPYG	YVYG	SVYG	PPYG	2.420	4176
30 x 100	1	104	150	8400044...	WVYG	WPYG	YVYG	SVYG	PPYG	2.420	4177
34 x 60	1	64	170	8400066...	WVYG	WPYG	YVYG	SVYG	PPYG	3.200	4182
37 x 74	1	78	150	8400049...	WVYG	WPYG	YVYG	SVYG	PPYG	2.000	4186
40 x 50	1	54	150	8400063...	WVYG	WPYG	YVYG	SVYG	PPYG	1.860	4189
40 x 60	1	64	150	8400050...	WVYG	WPYG	YVYG	SVYG	PPYG	1.860	4110
40 x 80	1	84	170	8400051...	WVYG	WPYG	YVYG	SVYG	PPYG	2.800	4188
40 x 90	1	94	150	8400083...	WVYG	WPYG	YVYG	SVYG	PPYG	1.860	4121
50 x 70	1	74	106	8400128...	WVYG	WPYG	YVYG	SVYG	PPYG	2.000	4193
50 x 80	1	84	170	8400053...	WVYG	WPYG	YVYG	SVYG	PPYG	2.200	4192
52 x 105	1	110	170	8400054...	WVYG	WPYG	YVYG	SVYG	PPYG	2.100	4194
60 x 50	2	107	125	8400142...	WVYG					1.600	4196
60 x 80	1	84	150	8400055...	WVYG	WPYG	YVYG	SVYG	PPYG	1.265	4195
60 x 100	1	104	170	8400056...	WVYG	WPYG	YVYG	SVYG	PPYG	1.850	4197
75 x 105	1	110	125	8400086...	WVYG	WPYG	YVYG	SVYG	PPYG	600	4199

Rectangular labels, vertical arrangement

SF

Size AxB mm	Tracks	C mm	D mm	Type	white outdoor	white	yellow outdoor	metallic grey outdoor	metallic grey	Quantity	SW code
63 x 45,5	2	98	125	8400052...	WVYG	WPYG	YVYG	SVYG	PPYG	1.500	4250
105 x 90	1	94	150	8400097...	WVYG	WPYG	YVYG	SVYG	PPYG	700	4251
120 x 60	1	64	170	8400057...	WVYG	WPYG	YVYG	SVYG	PPYG	950	4252
120 x 70	1	74	150	8400079...	WVYG	WPYG	YVYG	SVYG	PPYG	650	4253
130 x 64,5	1	70	150	8400058...	WVYG	WPYG	YVYG	SVYG	PPYG	600	4254
140 x 98	1	102	170	8400059...	WVYG	WPYG	YVYG	SVYG	PPYG	800	4255
180 x 37	2	120	125	8400127...	WVYG	WPYG	YVYG	SVYG	PPYG	540	4258
180 x 51	2	110	125	8400095...	WVYG	WPYG	YVYG	SVYG	PPYG	540	4256
180 x 105	1	110	150	8400061...	WVYG	WPYG	YVYG	SVYG	PPYG	500	4257

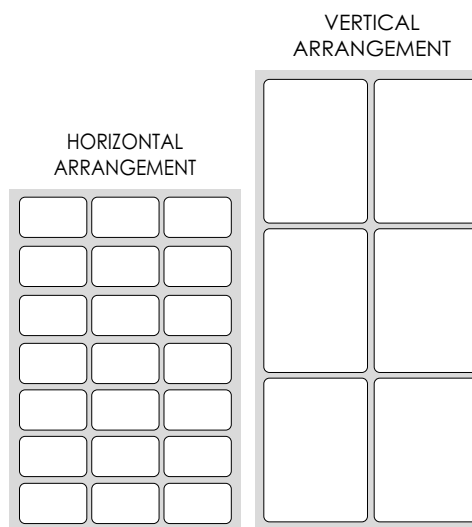
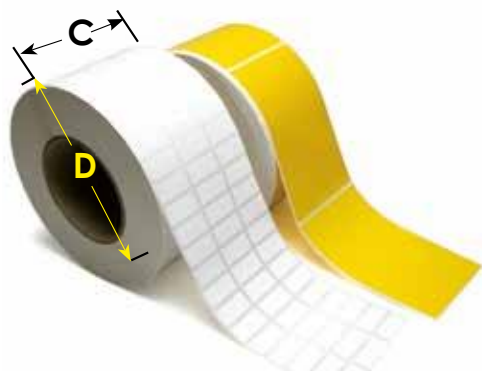
Square labels

SF

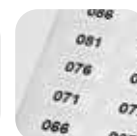
Size AxB mm	Tracks	C mm	D mm	Type	white outdoor	white	yellow outdoor	metallic grey outdoor	metallic grey	Quantity	SW code
16 x 16	5	96	150	*8402000...	WVYG	WPYG	YVYG	SVYG	PPYG	21.050	4200
20 x 20	4	93	150	8403000...	WVYG	WPYG	YVYG	SVYG	PPYG	13.900	4201
30 x 30	3	100	150	8403001...	WVYG	WPYG	YVYG	SVYG	PPYG	7.260	4202
40 x 40	2	87	150	*8402003...	WVYG	WPYG	YVYG	SVYG	PPYG	3.720	4203
70 x 70	1	74	170	8403003...	WVYG	WPYG	YVYG	SVYG	PPYG	1.600	4204
100 x 100	1	104	170	8403004...	WVYG	WPYG	YVYG	SVYG	PPYG	1.100	4205

\*rounded corners

- Spool diameter Øi 76 mm (3 in.)
- Max print area 105 mm



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 ribbons ..... page 65



# TTF

## Continuous material

for thermal transfer printing, on a roll

Continuous material is made from materials which are not temperature sensitive and whose surfaces are treated to accept the pigment from the ribbon heated by the print head.

When not in use, labels will maintain their good condition if stored in their original packaging and not subject to excessive heat or significant temperature variation. They should be removed from their packaging only at the time of use and not exposed to moisture for long periods.



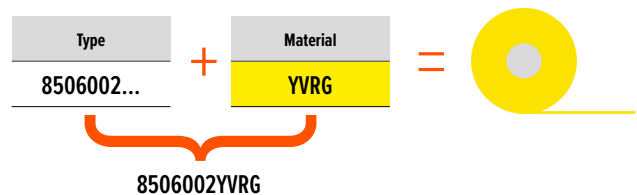
white			yellow			blue	metallic grey		transparent		Material
WVYG	WPYG/5	WPYG	WVRG	YVYG	YVYG/5	YVRG	BVYG/5	SVYG	PPYG	CPYG	
PVC film outdoor PVC99008WH	PVC film outdoor	Polyester film PET99005WH	Rigid PVC	PVC film outdoor PVC99008YE	PVC film outdoor	Rigid PVC	PVC film outdoor	PVC film outdoor PVC99008GY	Polyester film PET99005GY	PET film	
-30°C	-30°C	-40°C	-40°C	-30°C	-30°C	-40°C	-30°C	-30°C	-40°C	-40°C	Min operating temperature
+70°C	+70°C	+130°C	+60°C	+70°C	+70°C	+60°C	+70°C	+70°C	+130°C	+130°C	Max operating temperature
+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	+10°C	Min application temperature
+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	+40°C	Max application temperature
gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	gloss	Surface
80µ	140µ	50µ	400µ	73µ	80µ	400µ	80µ	73µ	50µ	23µ	Thickness
★★★★	★★★★	★	★	★★★★	★★★★	★	★★★★	★★★★	★★	★★★	UV resistance
✓	✓	✓		✓	✓		✓	✓	✓	✓	Permanent adhesive
											UL approved

## Continuous material



Width mm	Length m	Type	white outdoor	yellow outdoor	Quantity	SW code
100	25	8506002...	WVRG	YVRG	1	4290

Example coding combination according to the dimensions and the material:



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 cutter..... page 64  
 ribbons..... page 65  
 Aluminium mounting plates..... page 81



# TTF

## Self adhesive continuous material



Width mm	Length m	self-adhesive	Type	white outdoor	yellow outdoor	metallic grey outdoor	metallic grey	transparent	white	Quantity	SW code
25,4	125	✓	8506012...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4287
35	125	✓	8506003...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4280
40	125	✓	8506004...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4281
50	125	✓	8506011...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4283
58	125	✓	8506010...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4285
80	125	✓	8506001...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4282
105	125	✓	8506000...	WVYG	YVYG	SVYG	PPYG	CPYG	WPYG	1	4284

## Self adhesive continuous material, reflective finish



Width mm	Length m	self-adhesive	Type	white outdoor	yellow outdoor	blue outdoor	Quantity	SW code
35	24	✓	8506007...	WCYG/5	YCYG/5		1	4280
80	24	✓	8506008...	WCYG/5	YCYG/5		1	4282
105	24	✓	8506006...	WCYG/5	YCYG/5	BCYG/5	1	4284

# GMC-AL

## Aluminium mounting plates

rounded corners, thickness 0,5 mm

CEMBRE TTL and TTF labels stuck to Aluminium mounting plates are easily fixed to poles, columns, pylons and structures via the slot or holes provided.



When used externally the application of an additional transparent film CPYG, will improve resistance to environmental agents.

Type	Size mm	Label colour	Fixing	Quantity	Use with
GMC2751S	225 x 120	white	slots	10	TTL8400061, G-MC-2700S+TTL8400097
GMC2907S	430 x 120	white	slots	10	
GMC2678S	115 x 200	white	2 holes+ slots	300/100	TTL8400061
GMC2732S	70 x 140		2 holes	50	TTL8400057
GMC3101S	80 x 200	white	2 holes	10	

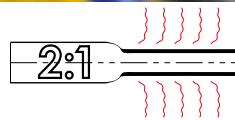


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 Aluminium mounting plates ..... page 81



# TERMO-ROLL M2

## Heat shrinkable tubing 2:1



LADDER, ONE SIDE ONLY

ladder & continuous, shrinkage ratio 2:1

M2 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

Halogen Free composition provides flame retardant and low smoke emission characteristics suitable for many types of application requiring more restrictive safety standards to be met.

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1; UL 224

**Operating temperature range:** -40°C to +125°C

**Minimum shrinkage temperature:** > +70°C

Technical

**Resistance to liquids, after shrinkage**  
SAE AS-5942

**Flammability** Flame retardant according to UL 224

**Meets the requirements for fire testing of materials and components for trains in EN 45545-2**



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
2,4	1,6 ÷ 2	0,25 ÷ 0,5	M2-24-12.5-WH1		12,5	4	4.000	4800
				M2-32-12.5-YE1				
3,2	1,8 ÷ 2,8	0,5 ÷ 1	M2-32-25-WH1	M2-32-25-YE1	25	2	2.000	4812
			M2-32-50-WH1	M2-32-50-YE1				
			M2-48-12.5-WH1	M2-48-12.5-YE1	12,5	4	4.000	4820
			M2-48-25-WH1	M2-48-25-YE1				
4,8	2,8 ÷ 4,2	1 ÷ 2,5	M2-48-50-WH1	M2-48-50-YE1	50	1	1.000	4824
			M2-64-12.5-WH1	M2-64-12.5-YE1				
			M2-64-25-WH1	M2-64-25-YE1	25	2	2.000	4832
M2-64-50-WH1	M2-64-50-YE1							
6,4	4,2 ÷ 5,8	4 ÷ 6	M2-95-12.5-WH1	M2-95-12.5-YE1	12,5	4	4.000	4830
			M2-95-25-WH1	M2-95-25-YE1				
			M2-95-50-WH1	M2-95-50-YE1	50	1	500	4844
9,5	5,8 ÷ 8	10 ÷ 16	M2-127-25-WH1	M2-127-25-YE1				
			M2-127-50-WH1	M2-127-50-YE1				
			M2-190-12.5-WH1	M2-190-12.5-YE1	12,5	4	2.500	4860
12,7	8 ÷ 11	25 ÷ 35	M2-190-25-WH1	M2-190-25-YE1				
			M2-190-50-WH1	M2-190-50-YE1	50	1	500	4864
			M2-254-25-WH1	M2-254-25-YE1				
25,4	17 ÷ 23	50 ÷ 120	M2-254-50-WH1	M2-254-50-YE1	50	1	300	4874
			M2-381-50-WH1	M2-381-50-YE1				
38,1	23 ÷ 36	120 ÷ 240			50	1	100	4884
76,2	40 ÷ 73	-	M2-762-50-WH1		50	1	100	4899

## TERMO-ROLL M2



LADDER, ON BOTH SIDES



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
2,4	1,6 ÷ 2	0,25 ÷ 0,5	M2-24-25-WH2	M2-24-25-YE2	25	2	2.000	4802
			M2-24-50-WH2	M2-24-50-YE2	50	1	1.000	4804
3,2	1,8 ÷ 2,8	0,5 ÷ 1	M2-32-25-WH2	M2-32-25-YE2	25	2	2.000	4812
			M2-32-50-WH2	M2-32-50-YE2	50	1	1.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	M2-48-25-WH2	M2-48-25-YE2	25	2	2.000	4822
			M2-48-50-WH2	M2-48-50-YE2	50	1	1.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	M2-64-25-WH2	M2-64-25-YE2	25	2	2.000	4832
			M2-64-50-WH2	M2-64-50-YE2	50	1	1.000	4834
9,5	5,8 ÷ 8	10 ÷ 16	M2-95-25-WH2	M2-95-25-YE2	25	2	1.000	4842
			M2-95-50-WH2	M2-95-50-YE2	50	1	500	4844
12,7	8 ÷ 11	25 ÷ 35	M2-127-25-WH2	M2-127-25-YE2	25	2	1.000	4852
			M2-127-50-WH2	M2-127-50-YE2	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	M2-190-25-WH2	M2-190-25-YE2	25	2	1.000	4862
			M2-190-50-WH2	M2-190-50-YE2	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	M2-254-25-WH2	M2-254-25-YE2	25	2	600	4872
			M2-254-50-WH2	M2-254-50-YE2	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	M2-381-25-WH2	M2-381-25-YE2	25	2	200	4882
			M2-381-50-WH2	M2-381-50-YE2	50	1	100	4884



CONTINUOUS, ON BOTH SIDES



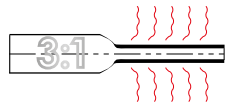
Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length m	Quantity	SW Code
			white	yellow			
2,4	1,6 ÷ 2	0,25 ÷ 0,5	M2-24-WH3	M2-24-YE3	20	1	7000
			M2-24-WH3-50*	M2-24-YE3-50*	50	1	7000
3,2	1,8 ÷ 2,8	0,5 ÷ 1	M2-32-WH3	M2-32-YE3	20	1	7010
			M2-32-WH3-100*	M2-32-YE3-100*	100	1	7010
4,8	2,8 ÷ 4,2	1 ÷ 2,5	M2-48-WH3	M2-48-YE3	20	1	7020
			M2-48-WH3-100*	M2-48-YE3-100*	100	1	7020
6,4	4,2 ÷ 5,8	4 ÷ 6	M2-64-WH3	M2-64-YE3	20	1	7030
			M2-64-WH3-100*	M2-64-YE3-100*	100	1	7030
9,5	5,8 ÷ 8	10 ÷ 16	M2-95-WH3	M2-95-YE3	15	1	7040
			M2-95-WH3-100*	M2-95-YE3-100*	100	1	7040
12,7	8 ÷ 11	25 ÷ 35	M2-127-WH3	M2-127-YE3	15	1	7050
			M2-127-WH3-100*	M2-127-YE3-100*	100	1	7050
19,1	11 ÷ 17	35 ÷ 50	M2-190-WH3	M2-190-YE3	15	1	7060
			M2-190-WH3-100*	M2-190-YE3-100*	100	1	7060
25,4	17 ÷ 23	50 ÷ 120	M2-254-WH3	M2-254-YE3	15	1	7070
			M2-254-WH3-100*	M2-254-YE3-100*	100	1	7070
38,1	23 ÷ 36	120 ÷ 240	M2-381-WH3	M2-381-YE3	15	1	7080
			M2-381-WH3-60*	M2-381-YE3-60*	60	1	7080
50,8	27 ÷ 49	240 ÷ 400	M2-508-WH3	M2-508-YE3	15	1	7090
			M2-508-WH3-60*	M2-508-YE3-60*	60	1	7090

The red and black colours can be supplied on request in quantities to be defined

\*Use with desk-dispenser DSPB-TCS (see page 64)

# TERMO-ROLL M3

## Heat shrinkable tubing 3:1



LADDER, ONE SIDE ONLY

ladder & continuous, shrinkage ratio 3:1

M3 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

High fire resistance and a 3:1 shrinkage ratio to cover a wide range of cable diameters enable suitability for many industrial applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 3:1

**Operating temperature range:** -55°C to +135°C

**Minimum shrinkage temperature:** > +90°C

Technical

**Flammability, flame-retardant according to**

SAE-AMS-DTL-23053/5 class 1  
UL 224 125°C 600V VW-1



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	M3-48-12.5-WH1	M3-48-12.5-YE1	12,5	4	4.000	4820
			M3-48-25-WH1	M3-48-25-YE1	25	2	2.000	4822
			M3-48-50-WH1	M3-48-50-YE1	50	1	1.000	4824
6,4	2,5 ÷ 5,8	1 ÷ 6	M3-64-12.5-WH1	M3-64-12.5-YE1	12,5	4	4.000	4830
			M3-64-25-WH1	M3-64-25-YE1	25	2	2.000	4832
			M3-64-50-WH1	M3-64-50-YE1	50	1	1.000	4834
9,5	3,8 ÷ 8	4 ÷ 16	M3-95-12.5-WH1	M3-95-12.5-YE1	12,5	4	2.000	4840
			M3-95-25-WH1	M3-95-25-YE1	25	2	1.000	4842
			M3-95-50-WH1	M3-95-50-YE1	50	1	500	4844
12,7	4,85 ÷ 11	6 ÷ 35	M3-127-12.5-WH1	M3-127-12.5-YE1	12,5	4	2.000	4850
			M3-127-25-WH1	M3-127-25-YE1	25	2	1.000	4852
			M3-127-50-WH1	M3-127-50-YE1	50	1	500	4854
19	7 ÷ 17	16 ÷ 50	M3-190-50-WH1	M3-190-50-YE1	50	1	500	4864
25,4	9 ÷ 23	25 ÷ 120	M3-254-50-WH1	M3-254-50-YE1	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	M3-381-50-WH1		50	1	100	4884

# TERMO-ROLL M3



LADDER, ON BOTH SIDES

irradiated **PO** **55°C** **135°C** **ROLY** **ROLY** **RoHS COMPLIANT 2011/65/EU**

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
2,4	1 ÷ 2,2	0,25 ÷ 0,5	M3-24-25-WH2	M3-24-25-YE2	25	2	2.000	4802
			M3-24-50-WH2	M3-24-50-YE2	50	1	1.000	4804
3,2	1,2 ÷ 2,8	0,25 ÷ 1	M3-32-25-WH2	M3-32-25-YE2	25	2	2.000	4812
			M3-32-50-WH2	M3-32-50-YE2	50	1	1.000	4814
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	M3-48-25-WH2	M3-48-25-YE2	25	2	2.000	4822
			M3-48-50-WH2	M3-48-50-YE2	50	1	1.000	4824
6,4	2,5 ÷ 5,8	1 ÷ 6	M3-64-25-WH2	M3-64-25-YE2	25	2	2.000	4832
			M3-64-50-WH2	M3-64-50-YE2	50	1	1.000	4834
9,5	3,8 ÷ 8	4 ÷ 16	M3-95-25-WH2	M3-95-25-YE2	25	2	1.000	4842
			M3-95-50-WH2	M3-95-50-YE2	50	1	500	4844
12,7	4,85 ÷ 11	6 ÷ 35	M3-127-25-WH2	M3-127-25-YE2	25	2	1.000	4852
			M3-127-50-WH2	M3-127-50-YE2	50	1	500	4854
19	7 ÷ 17	16 ÷ 50	M3-190-25-WH2	M3-190-25-YE2	25	2	1.000	4862
			M3-190-50-WH2	M3-190-50-YE2	50	1	500	4864
25,4	9 ÷ 23	25 ÷ 120	M3-254-25-WH2	M3-254-25-YE2	25	2	600	4872
			M3-254-50-WH2	M3-254-50-YE2	50	1	300	4874



CONTINUOUS, ON BOTH SIDES

irradiated **PO** **55°C** **135°C** **ROLY** **ROLY** **RoHS COMPLIANT 2011/65/EU**

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length m	Quantity	SW Code
			white	yellow			
2,4	1 ÷ 2,2	0,25 ÷ 0,5	M3-24-WH3		20	1	7000
			M3-24-WH3-50*		50	1	7000
3,2	1,2 ÷ 2,8	0,25 ÷ 1	M3-32-WH3		20	1	7010
			M3-32-WH3-100*		100	1	7010
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	M3-48-WH3	M3-48-YE3	20	1	7020
			M3-48-WH3-100*		100	1	7020
6,4	2,5 ÷ 5,8	1 ÷ 6	M3-64-WH3	M3-64-YE3	20	1	7030
			M3-64-WH3-100*		100	1	7030
9,5	3,8 ÷ 8	4 ÷ 16	M3-95-WH3	M3-95-YE3	15	1	7040
			M3-95-WH3-100*		100	1	7040
12,7	4,8 ÷ 11	6 ÷ 35	M3-127-WH3	M3-127-YE3	15	1	7050
			M3-127-WH3-100*		100	1	7050
19	7 ÷ 17	16 ÷ 50	M3-190-WH3	M3-190-YE3	15	1	7060
			M3-190-WH3-100*		100	1	7060
25,4	9 ÷ 23	25 ÷ 120	M3-254-WH3	M3-254-YE3	15	1	7070

\*Use with desk-dispenser DSPB-TCS (see page 64)



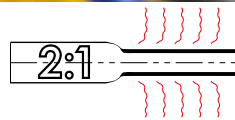
Insert the cable into the tube, shrink by applying a hot air flow.

heat gun EHG 2000 ..... page 64  
 support frame ..... page 64  
 ribbons ..... page 65



# TERMO-ROLL H2

## Heat shrinkable tubing 2:1



*ladder & continuous, shrinkage ratio 2:1*

H2 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

Halogen Free composition provides flame retardant and low smoke emission characteristics suitable for safety critical applications including closed environments such as tunnels and subways, rail installations, marine and industrial applications.



LADDER, ONE SIDE ONLY

**Material:** Irradiated Polyolefin, shrinkage ratio 2:1

**Operating temperature range:** -55°C to +105°C

**Minimum shrinkage temperature:** > +90°C

*Technical*

**Resistance to liquids, after the shrinkage**

MIL-STD-202H / EN 50343 - Annex H / LUL C3349

SAE AS-5942

**Meets the requirements for fire testing of materials and components for trains in EN 45545-2 and NFPA 130.**



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
2,4	1,6 ÷ 2	0,25 ÷ 0,5	H2-24-12.5-WH1		12,5	4	4.000	4800
			H2-24-25-WH1	H2-24-25-YE1	25	2	2.000	4802
			H2-24-50-WH1		50	1	1.000	4804
3,2	1,8 ÷ 2,8	0,5 ÷ 1	H2-32-12.5-WH1	H2-32-12.5-YE1	12,5	4	4.000	4810
			H2-32-25-WH1	H2-32-25-YE1	25	2	2.000	4812
			H2-32-50-WH1	H2-32-50-YE1	50	1	1.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	H2-48-12.5-WH1	H2-48-12.5-YE1	12,5	4	4.000	4820
			H2-48-25-WH1	H2-48-25-YE1	25	2	2.000	4822
			H2-48-50-WH1	H2-48-50-YE1	50	1	1.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	H2-64-12.5-WH1	H2-64-12.5-YE1	12,5	4	4.000	4830
			H2-64-19-WH1	H2-64-19-YE1	19	2	2.000	4831
			H2-64-25-WH1	H2-64-25-YE1	25	2	2.000	4832
			H2-64-38-WH1	H2-64-38-YE1	38	1	1.000	4833
9,5	5,8 ÷ 8	10 ÷ 16	H2-64-50-WH1	H2-64-50-YE1	50	1	1.000	4834
			H2-95-12.5-WH1	H2-95-12.5-YE1	12,5	4	2.000	4840
			H2-95-25-WH1	H2-95-25-YE1	25	2	1.000	4842
12,7	8 ÷ 11	25 ÷ 35	H2-95-50-WH1	H2-95-50-YE1	50	1	500	4844
			H2-127-50-WH1	H2-127-50-YE1	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	H2-190-50-WH1	H2-190-50-YE1	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	H2-254-50-WH1	H2-254-50-YE1	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	H2-381-50-WH1	H2-381-50-YE1	50	1	100	4884
50,8	23 ÷ 48	240 ÷ 400	H2-508-50-WH1		50	1	100	4894

# TERMO-ROLL H2



LADDER, ON BOTH SIDES

irradiated **PO** **HF** **55°C** **105°C** **Roll** **Roll** **EN 45545-2** **RoHS COMPLIANT 2011/65/EU**

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
2,4	1,6 ÷ 2	0,25 ÷ 0,5	H2-24-25-WH2	H2-24-25-YE2	25	2	2.000	4802
			H2-24-50-WH2	H2-24-50-YE2	50	1	1.000	4804
3,2	1,8 ÷ 2,8	0,5 ÷ 1	H2-32-25-WH2	H2-32-25-YE2	25	2	2.000	4812
			H2-32-50-WH2	H2-32-50-YE2	50	1	1.000	4814
			H2-32-50-WH2BULK		50	1	5.000	4814
4,8	2,8 ÷ 4,2	1 ÷ 2,5	H2-48-25-WH2	H2-48-25-YE2	25	2	2.000	4822
			H2-48-50-WH2	H2-48-50-YE2	50	1	1.000	4824
			H2-48-50-WH2BULK		50	1	5.000	4824
6,4	4,2 ÷ 5,8	4 ÷ 6	H2-64-25-WH2	H2-64-25-YE2	25	2	2.000	4832
			H2-64-50-WH2	H2-64-50-YE2	50	1	1.000	4834
			H2-64-50-WH2BULK		50	1	3.000	4834
9,5	5,8 ÷ 8	10 ÷ 16	H2-95-25-WH2	H2-95-25-YE2	25	2	1.000	4842
			H2-95-50-WH2	H2-95-50-YE2	50	1	500	4844
			H2-95-50-WH2BULK		50	1	2.000	4844
12,7	8 ÷ 11	25 ÷ 35	H2-127-25-WH2	H2-127-25-YE2	25	2	1.000	4852
			H2-127-50-WH2	H2-127-50-YE2	50	1	500	4854
19,1	11 ÷ 17	35 ÷ 50	H2-190-25-WH2	H2-190-25-YE2	25	2	1.000	4862
			H2-190-50-WH2	H2-190-50-YE2	50	1	500	4864
25,4	17 ÷ 23	50 ÷ 120	H2-254-25-WH2	H2-254-25-YE2	25	2	600	4872
			H2-254-50-WH2	H2-254-50-YE2	50	1	300	4874
38,1	23 ÷ 36	120 ÷ 240	H2-381-25-WH2	H2-381-25-YE2	25	2	200	4882
			H2-381-50-WH2	H2-381-50-YE2	50	1	100	4884
50,8	23 ÷ 48	240 ÷ 400	H2-508-50-WH2	H2-508-50-YE2	50	1	100	4894



CONTINUOUS, ON BOTH SIDES

irradiated **PO** **HF** **55°C** **105°C** **Roll** **Roll** **EN 45545-2** **RoHS COMPLIANT 2011/65/EU**

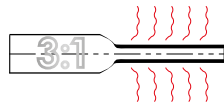
Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length m	Quantity	VPE
			white	yellow			
2,4	1,6 ÷ 2	0,25 ÷ 0,5	H2-24-WH3	H2-24-YE3	20	1	7000
			H2-24-WH3-50*	H2-24-YE3-50*	50	1	7000
3,2	1,8 ÷ 2,8	0,5 ÷ 1	H2-32-WH3	H2-32-YE3	20	1	7010
			H2-32-WH3-100*	H2-32-YE3-100*	100	1	7010
4,8	2,8 ÷ 4,2	1 ÷ 2,5	H2-48-WH3	H2-48-YE3	20	1	7020
			H2-48-WH3-100*	H2-48-YE3-100*	100	1	7020
6,4	4,2 ÷ 5,8	4 ÷ 6	H2-64-WH3	H2-64-YE3	20	1	7030
			H2-64-WH3-100*	H2-64-YE3-100*	100	1	7030
9,5	5,8 ÷ 8	10 ÷ 16	H2-95-WH3	H2-95-YE3	15	1	7040
			H2-95-WH3-100*	H2-95-YE3-100*	100	1	7040
12,7	8 ÷ 11	25 ÷ 35	H2-127-WH3	H2-127-YE3	15	1	7050
			H2-127-WH3-100*	H2-127-YE3-100*	100	1	7050
19	11 ÷ 17	35 ÷ 50	H2-190-WH3	H2-190-YE3	15	1	7060
			H2-190-WH3-100*	H2-190-YE3-100*	100	1	7060
25,4	17 ÷ 23	50 ÷ 120	H2-254-WH3	H2-254-YE3	15	1	7070
			H2-254-WH3-100*	H2-254-YE3-100*	100	1	7070
38,1	23 ÷ 36	120 ÷ 240	H2-381-WH3	H2-381-YE3	15	1	7080
			H2-381-WH3-60*	H2-381-YE3-60*	60	1	7080
50,8	27 ÷ 48	240 ÷ 400	H2-508-WH3	H2-508-YE3	15	1	7090
			H2-508-WH3-60*	H2-508-YE3-60*	60	1	7090

\*Use with desk-dispenser DSPB-TCS (see page 64)

In the CEMBRE range are present other heat shrinkable tube grades dedicated for rolling-stock applications:  
**TERMO-ROLL F2** tube made of heat shrinkable 2:1 Polyolefin tubing with ideal printable properties for identification purpose, which provides fluid resistance as per EN50343 standard.  
 (for details see the CEMBRE Rail Catalogue)

# TERMO-ROLL H3

## Heat shrinkable tubing 3:1



*ladder & continuous, shrinkage ratio 3:1*

H3 type heat shrinkable tubing is used to provide highly legible and resistant identification of cables, pipes, conduits, etc within a minimum space.

High flexibility, fire resistance and a 3:1 shrinkage ratio to cover a wide range of cable diameters enable suitability for many industrial and technological applications.

**Material:** Irradiated Polyolefin, shrinkage ratio 3:1

**Operating temperature range:** -55°C to +135°C

**Minimum shrinkage temperature:** > +90°C

*Technical*

**CSA recognised**

*Flammability*

Flame retardant according to

**SAE-AMS-DTL-23053/5 class 1&3,**

**UL 224 125°C 600V VW-1**



LADDER, ONE SIDE ONLY



Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	H3-48-12.5-WH1	H3-48-12.5-YE1	12,5	4	4.000	4920
			H3-48-25-WH1	H3-48-25-YE1	25	2	2.000	4922
			H3-48-50-WH1	H3-48-50-YE1	50	1	1.000	4924
6	2,5 ÷ 5,5	1 ÷ 6	H3-60-12.5-WH1	H3-60-12.5-YE1	12,5	4	4.000	4930
			H3-60-25-WH1	H3-60-25-YE1	25	2	2.000	4932
			H3-60-50-WH1	H3-60-50-YE1	50	1	1.000	4934
9	4 ÷ 8	4 ÷ 16	H3-90-12.5-WH1	H3-90-12.5-YE1	12,5	4	2.000	4940
			H3-90-25-WH1	H3-90-25-YE1	25	2	1.000	4942
			H3-90-50-WH1	H3-90-50-YE1	50	1	500	4944
12	5 ÷ 11	6 ÷ 35	H3-120-12.5-WH1	H3-120-12.5-YE1	12,5	4	2.000	4950
			H3-120-25-WH1	H3-120-25-YE1	25	2	1.000	4952
			H3-120-50-WH1	H3-120-50-YE1	50	1	500	4954
18	6,5 ÷ 17	16 ÷ 50	H3-180-12.5-WH1	H3-180-12.5-YE1	12,5	4	2.000	4960
			H3-180-25-WH1	H3-180-25-YE1	25	2	1.000	4962
			H3-180-50-WH1	H3-180-50-YE1	50	1	500	4964
24	9 ÷ 23	25 ÷ 120	H3-240-50-WH1	H3-240-50-YE1	50	1	300	4974

# TERMO-ROLL H3



LADDER, ON BOTH SIDES

irradiated **PO** **55°C** **135°C**

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length mm	Tubes per step	Quantity	SW Code
			white	yellow				
3	1,2 ÷ 2,8	0,25 ÷ 1	H3-30-25-WH2	H3-30-25-YE2	25	2	2.000	4912
			H3-30-50-WH2	H3-30-50-YE2	50	1	1.000	4914
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	H3-48-25-WH2	H3-48-25-YE2	25	2	2.000	4922
			H3-48-50-WH2	H3-48-50-YE2	50	1	1.000	4924
6	2,5 ÷ 5,5	1 ÷ 6	H3-60-25-WH2	H3-60-25-YE2	25	2	2.000	4932
			H3-60-50-WH2	H3-60-50-YE2	50	1	1.000	4934
9	4 ÷ 8	4 ÷ 16	H3-90-25-WH2	H3-90-25-YE2	25	2	1.000	4942
			H3-90-50-WH2	H3-90-50-YE2	50	1	500	4944
12	5 ÷ 11	6 ÷ 35	H3-120-25-WH2	H3-120-25-YE2	25	2	1.000	4952
			H3-120-50-WH2	H3-120-50-YE2	50	1	500	4954
18	6,5 ÷ 17	16 ÷ 50	H3-180-25-WH2	H3-180-25-YE2	25	2	1.000	4962
			H3-180-50-WH2	H3-180-50-YE2	50	1	500	4964
24	9 ÷ 23	25 ÷ 120	H3-240-25-WH2	H3-240-25-YE2	25	1	600	4972
			H3-240-50-WH2	H3-240-50-YE2	50	1	300	4974
39	15 ÷ 37	50 ÷ 185	H3-390-50-WH2	H3-390-50-YE2	50	1	100	4984



CONTINUOUS, ON BOTH SIDES

irradiated **PO** **55°C** **135°C**

Internal Ø before shrinking mm	Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Type		Length m	Quantity	SW Code
			white	yellow			
4,8	1,8 ÷ 4,2	0,5 ÷ 2,5	H3-48-WH3	H3-48-YE3	20	1	7120
6	2,5 ÷ 5,5	1 ÷ 6	H3-60-WH3	H3-60-YE3	20	1	7130
9	4 ÷ 8	4 ÷ 16	H3-90-WH3	H3-90-YE3	15	1	7140
12	5 ÷ 11	6 ÷ 35	H3-120-WH3	H3-120-YE3	15	1	7150
18	6,5 ÷ 17	16 ÷ 50	H3-180-WH3	H3-180-YE3	15	1	7160
24	9 ÷ 23	25 ÷ 120	H3-240-WH3	H3-240-YE3	15	1	7170
39	15 ÷ 37	50 ÷ 185		H3-390-YE3	15	1	7180
			H3-390-WH3-60		60	1	7180

In the CEMBRE range are present other heat shrinkable tube grades dedicated for rolling-stock applications: **TERMO-ROLL D3** tube made of diesel resistant heat shrinkable 3:1 Polyolefin tubing with ideal printable properties for identification purpose, which provides fluid resistance as per NF-F00-608 standard. (for details see the CEMBRE Rail Catalogue)



Insert the cable into the tube, shrink by applying a hot air flow.

heat gun EHG 2000 ..... page 64  
 support frame ..... page 64  
 ribbons ..... page 65



## SMP

## Stainless steel tie-on tags

for aggressive environments

Stainless Steel tie-on tags for the identification of cables, wiring and ducts in arduous applications such as: offshore platforms, shipbuilding, mining, underground, petrochemical, floating units for the production, storage and unloading of oil, refineries, railway infrastructure, food industry, solar field and, in general, where high resistance to aggressive environments is essential.



**Material:** AISI 316L Stainless steel

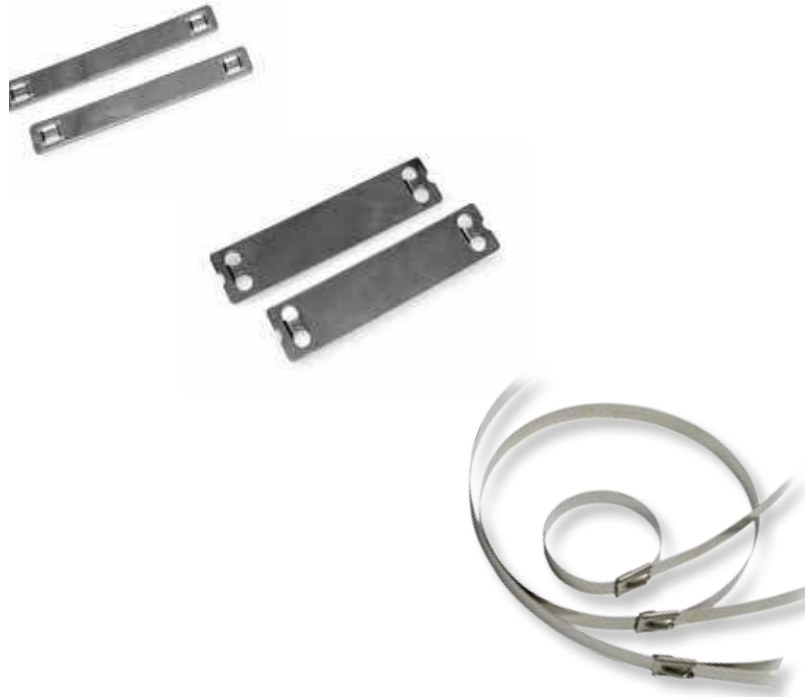
**Operating temperature range:**

up to +800°C (continuous)

up to +850°C (short periods)

Stainless  
Steel  
**AISI**

Size mm	N° text lines	N° characters per lines	Max numbers of characters	Type	Metal tie max width mm	Quantity
10 x 90	1	23	23	<b>SMP01A10X90</b>	4,6	500
20 x 90	3	23	69	<b>SMP01A20X90</b>	4,6	250



Directly on components using appropriate cable ties.

Stainless Steel INOX AISI 304 cable ties ..... page 92  
insulated Stainless Steel INOX AISI 304 cable ties . page 93



CEMBRE offers a personalised embossing service for the stainless steel tie-on tags. Logged on <https://my.cembre.com>



solar fields



offshore platforms



mining



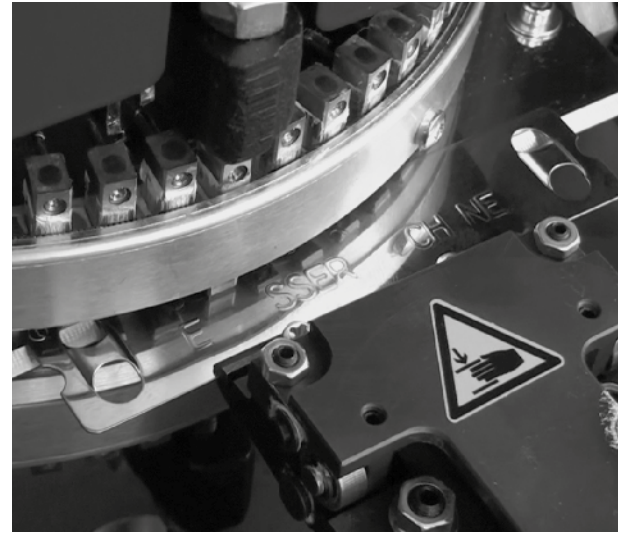
floating units



food industry

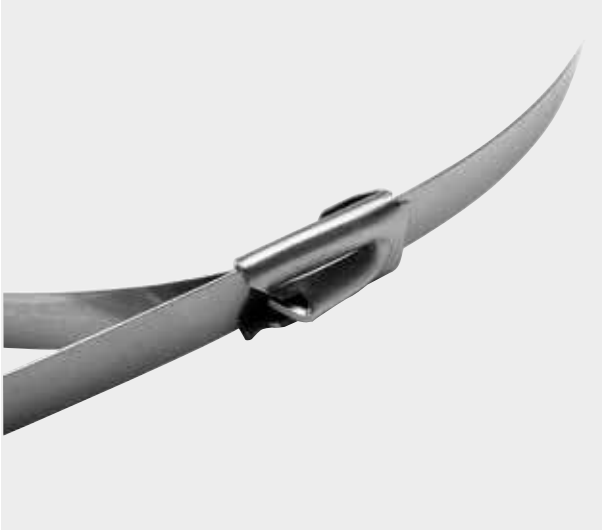


petrochemical



# SERIE GX

## Stainless Steel AISI 304 cable ties



Unique ball locking mechanism that allows simple and rapid installation and secure locking.

High tensile strength.

Nonflammability.

**Material:** AISI 304 Stainless Steel

High resistance to Acetic Acid, Alkalies, Sulphuric Acid, Corrosion, etc. In general very resistant to most hostile environments.

**Operating temperature range:** -80°C to +500°C

Stainless Steel  
AISI 304  
-80°C +500°C



Width mm	Length mm	Type	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
4,5	200	GX200X4.5	50	46	100
	300	GX300X4.5	76		100
	370	GX370X4.5	102		100
	520	GX520X4.5	156		100



## 5527030079

Installation tool for Stainless Steel cable ties.

Type 5527030079

Width up to 7,9 mm

With cutting device

Weight: 0,56 kg

Length: 180 mm



Aluminium plates GMC-AL ..... page 81  
Stainless Steel tie-on tags SMP ..... page 90



## SERIE GXAC

*Insulated Stainless Steel INOX AISI 316 cable ties**Polyester coated*

STAINLESS STEEL AISI 316 cable ties for the most corrosive environments, coated with Polyester for better outdoor use. Smooth surface and rounded edges to ensure cable protection and user safety.

Equipped with an original ball-type closing mechanism that allows an easy and fast installation and prevents re-opening.

High resistance to acetic and sulfuric acids, to alkaline products and resistant to corrosion in the most adverse environments.

High tensile strength. Nonflammability.



**Material:** INOX AISI 316 Stainless steel, Polyester coated

**Operating temperature range:** -40°C to +150°C

Stainless Steel  
**AISI** -40°C +150°C

RoHS  
 COMPLIANT  
 2011/65/EU

Width mm	Length mm	Type	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
4,6	125	GXAC125X4.6	38,0	46	100
	150	GXAC150X4.6	46,0		100
	200	GXAC200X4.6	61,9		100
	260	GXAC260X4.6	81,0		100
	290	GXAC290X4.6	90,6		100
	360	GXAC360X4.6	112,8		100
	520	GXAC520X4.6	163,8		100
	680	GXAC680X4.6	214,8		100
	840	GXAC840X4.6	265,7		100



Aluminium plates GMC-AL ..... page 81  
 Stainless Steel tie-on tags SMP ..... page 90



# M1011KIT

## Label Embosser

for industrial-strength metal embossed labels

The industrial-strength RhinoM1011 embosses 12 mm stainless steel and Aluminum labels – with or without adhesive – that resist extreme weather, temperature, chemical and UV exposure.

This tough, durable embosser features an easy-to-use label cutting handle that cuts square or rounded edges, hole and cable tie punches, a trailing-edge measuring gauge and a rugged Cast-Aluminum frame to withstand tough working conditions.

With a deep emboss to ensure excellent character legibility, the RhinoM1011 is every bit as tough and durable as the labels it creates.



**M1011KIT** includes:

- M1011 Label Embosser with a horizontal Character Wheel and a reverse Image Character Wheel
- One non-Adhesive Aluminium Labels Roll 12 mm x 3.5 m **32500**
- One non-Adhesive Stainless Steel Labels Roll 12 mm x 5 m **31000**
- Hard Carry Case

## Metallic ribbons

for embosser RhinoM1011



Size mm	Self adhesive	Type	Material	Rolls	Quantity
12 x 6,4		32500	Stainless Steel	10	1
12 x 4,8		31000	Aluminium	10	1
12 x 3,65	✓	35800	Aluminium	10	1

## Manual cable marking system

Provides alternative manual systems for identifying cables, tubes, conduit, components and equipment.

- PMP push in cable markers
- RMS and FMS push on ring cable markers & flat ring markers
- SM snap on cable markers

### PUSH IN CABLE MARKERS WITH HOLDERS

PMP markers are very simple to use: the appropriate characters are collected in order on the insertion tool then pushed into the transparent holder mounted on the cable.

### PUSH ON RING CABLE MARKERS&FLAT RING MARKERS

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm ( 0.05 to 0.62 in.)

FMS flat ring markers printed black on yellow, push onto tie on carriers for attachment to large diameter cables, etc.

### LABELS

Alphanumeric signs in PVC film.

### PRE-PRINTED MARKERS

Pre-printed cable markers essential for marking the optical fiber to the completed wiring.

### SNAP ON CABLE MARKERS

Minimum overall size snap on cable markers are particularly useful for applications where there is limited space between cables. It is unquestionably the best solution for small cross section conductors and for local network cables and can be fitted even after the conductors are connected.

Indispensable for identifying already completed wiring!

# RINGCABLESYS



# PMP-30

## Push in cable markers



*Polyamide, in strips*

PMP markers are very simple to use: the appropriate characters are collected in order on the insertion tool then pushed into the transparent holder mounted on the cable.

Once inserted, the characters are protected from degradation by Water, Alcohol, Acids, Alkalis and numerous Solvents.

Characters are available printed in black on white or yellow backgrounds, or colour coded according IEC Standard 757.

PM transparent marker holders can be premounted on cables for later insertion of marking characters without affecting the wiring.

PM transparent holders, in seven range-taking sizes, for identifying cables from 0,10 to 240 mm<sup>2</sup>. PM-ET self adhesive transparent holders for identifying components and equipment.

PA6.6 -30°C +90°C



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type	Quantity
	white	yellow			white	yellow				
0	23129-0	23124-0	500	P	23129-P	23124-P	500	0	23120-0	500
1	23129-1	23124-1	500	Q	23129-Q	23124-Q	500		23123-	500
2	23129-2	23124-2	500	R	23129-R	23124-R	500	1	23121-1	500
3	23129-3	23124-3	500	S	23129-S	23124-S	500		23121-	500
4	23129-4	23124-4	500	T	23129-T	23124-T	500	2	23122-2	500
5	23129-5	23124-5	500	U	23129-U	23124-U	500	+	23122-PLS	500
6	23129-6	23124-6	500	V	23129-V	23124-V	500		23122-	500
7	23129-7	23124-7	500	W	23129-W	23124-W	500	3	23123-3	500
8	23129-8	23124-8	500	X	23129-X	23124-X	500		23123-	500
9	23129-9	23124-9	500	Y	23129-Y	23124-Y	500	5	23125-5	500
A	23129-A	23124-A	500	Z	23129-Z	23124-Z	500		23125-	500
B	23129-B	23124-B	500		23129-	23124-	500	6	23126-6	500
C	23129-C	23124-C	500	+	23129-PLS	23124-PLS	500	-	23126-MNS	500
D	23129-D	23124-D	500	-	23129-MNS	23124-MNS	500		23126-	500
E	23129-E	23124-E	500	=	23129-EQL	23124-EQL	500	7	23127-7	500
F	23129-F	23124-F	500	~	23129-AC	23124-AC	500		23127-	500
G	23129-G	23124-G	500	.	23129-DOT	23124-DOT	500	8	23128-8	500
H	23129-H	23124-H	500	,	23129-COM	23124-COM	500		23128-	500
I	23129-I	23124-I	500	/	23129-STK	23124-STK	500			
J	23129-J	23124-J	500	:	23129-CLN	23124-CLN	500			
K	23129-K	23124-K	500	Δ	23129-DELTA	23124-DELTA	500			
L	23129-L	23124-L	500	⋈	23129-STAR	23124-STAR	500			
M	23129-M	23124-M	500	∅	23129-DIA	23124-DIA	500			
N	23129-N	23124-N	500	⏏	23129-GND	23124-GND	500			
O	23129-O	23124-O	500							

# PMP-30

**Material:** Polyamide 6.6, self extinguishing. Excellent stability and mechanical strength, high temperature resistance

**Operating temperature range:** -30°C to +90°C



carrier PMP-ST



extraction tool PMP-ET



insertion tool PMP-SMT

## Tools for markers PMP-30

## Carriers for markers PMP-30

Each modular carrier for PMP-30 can hold 5 strips of markers. Modules may be combined ad infinitum.

PMP-ST 990002 carrier set, consisting of 5 modules (for 25 strips, 500 markers) is supplied with non-slip rubber feet.

The marker strip is inserted vertically, with no risk of loss of markers.

## STARTkit PMP-30

for holders PM

The kits contain:

- PMP-30 characters, black on white (numbers, letter and symbols)
- PM transparent holders
- 1x PMP-ST carrier set for 25 strips
- 1x insertion tool PMP-SMT length 15 mm

Family	Description	Type	Tab length mm	Quantity
PMP-SMT	insertion tool	990005	15	1
		990006	20	1
PMP-ET	extraction tool	9900018	15	1

Family	Description	Type	Strips accommodated	Quantity
PMP-ST	single module	990001	5	1
	carrier set	990002	25	1

Family	Type	Quantity
STARTKIT	990050	1
	990051L	1

Product Family	Product Type	Type 990050	Type 990051L
		Quantity	Quantity
PMP-30	23129-0	500	100
	23129-1	500	100
	23129-2	500	100
	23129-3	500	100
	23129-4	500	100
	23129-5	500	100
	23129-6	500	100
	23129-7	500	100
	23129-8	500	100
	23129-9	500	100
	23129-R	500	100
	23129-S	500	100
	23129-T	500	100
	23129-U	500	100
	23129-V	500	100
	23129-W	500	100
	23129-X	500	100
	23129-Y	500	100
	23129-Z	500	100
	23129-N	500	100
23129-PLS	500	100	
23129-MNS	500	100	
23129-EQL	500	100	
23129-AC	500	100	
23129-GND	500	100	
PM-01	50112	1.000	1.000
PM-02	50212	1.000	1.000
PM-03	50312	500	500
PM-04	50411	500	
PMP-ST	990002	1	1
PMP-SMT	990005	1	1



tag holders PM..... page 129

tag holders PM-AC..... page 132  
tag holders PM-ET ..... page 133



# RMS-01

## Push on ring cable markers



alphanumeric

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm. Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor. Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing V0 according to UL94

**Operating temperature range:** -30°C to +90°C

**Cable ext. Ø range** 1,3 ÷ 3 mm

**C.s.a range** 0,35 ÷ 1 mm<sup>2</sup>



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	59549-0	59544-0	1.000	R	59549-R	59544-R	1.000	0	59540-0	1.000	
1	59549-1	59544-1	1.000	S	59549-S	59544-S	1.000		59540-	1.000	
2	59549-2	59544-2	1.000	T	59549-T	59544-T	1.000	1	59541-1	1.000	
3	59549-3	59544-3	1.000	U	59549-U	59544-U	1.000		59541-	1.000	
4	59549-4	59544-4	1.000	V	59549-V	59544-V	1.000	2	59542-2	1.000	
5	59549-5	59544-5	1.000	W	59549-W	59544-W	1.000	+	59542-PLS	1.000	
6	59549-6	59544-6	1.000	X	59549-X	59544-X	1.000		59542-	1.000	
7	59549-7	59544-7	1.000	Y	59549-Y	59544-Y	1.000	3	59543-3	1.000	
8	59549-8	59544-8	1.000	Z	59549-Z	59544-Z	1.000		59543-	1.000	
9	59549-9	59544-9	1.000		59549-	59544-	1.000	5	59545-5	1.000	
A	59549-A	59544-A	1.000	+	59549-PLS	59544-PLS	1.000		59545-	1.000	
B	59549-B	59544-B	1.000	-	59549-MNS	59544-MNS	1.000	6	59546-6	1.000	
C	59549-C	59544-C	1.000	=	59549-EQL	59544-EQL	1.000	-	59546-MNS	1.000	
D	59549-D	59544-D	1.000	/	59549-STK	59544-STK	1.000		59546-	1.000	
E	59549-E	59544-E	1.000	.	59549-DOT	59544-DOT	1.000	7	59547-7	1.000	
F	59549-F	59544-F	1.000	,	59549-COM	59544-COM	1.000		59547-	1.000	
G	59549-G	59544-G	1.000	:	59549-CLN	59544-CLN	1.000	8	59548-8	1.000	
H	59549-H	59544-H	1.000	;	59549-SCLN	59544-SCLN	1.000		59548-	1.000	
I	59549-I	59544-I	1.000	⊥	59549-GND	59544-GND	1.000				
J	59549-J	59544-J	1.000	⊕	59549-GNDP	59544-GNDP	1.000				
K	59549-K	59544-K	1.000	~	59549-AC	59544-AC	1.000				
L	59549-L	59544-L	1.000	Ω	59549-OHM	59544-OHM	1.000				
M	59549-M	59544-M	1.000	*	59549-AST	59544-AST	1.000				
N	59549-N	59544-N	1.000	Δ	59549-DELTA	59544-DELTA	1.000				
O	59549-O	59544-O	1.000	∩	59549-STAR	59544-STAR	1.000				
P	59549-P	59544-P	1.000	∅	59549-DIA	59544-DIA	1.000				
Q	59549-Q	59544-Q	1.000								



# RMS-01

plasticised  
PVC 30°C 90°C



Printed	Type		Quantity reel	Printed	Type		Quantity reel
	white	yellow			white	yellow	
0	59349-0	59344-0	1.000	R	59349-R	59344-R	1.000
1	59349-1	59344-1	1.000	S	59349-S	59344-S	1.000
2	59349-2	59344-2	1.000	T	59349-T	59344-T	1.000
3	59349-3	59344-3	1.000	U	59349-U	59344-U	1.000
4	59349-4	59344-4	1.000	V	59349-V	59344-V	1.000
5	59349-5	59344-5	1.000	W	59349-W	59344-W	1.000
6	59349-6	59344-6	1.000	X	59349-X	59344-X	1.000
7	59349-7	59344-7	1.000	Y	59349-Y	59344-Y	1.000
8	59349-8	59344-8	1.000	Z	59349-Z	59344-Z	1.000
9	59349-9	59344-9	1.000		59349-	59344-	1.000
A	59349-A	59344-A	1.000	+	59349-PLS	59344-PLS	1.000
B	59349-B	59344-B	1.000	-	59349-MNS	59344-MNS	1.000
C	59349-C	59344-C	1.000	=	59349-EQL	59344-EQL	1.000
D	59349-D	59344-D	1.000	/	59349-STK	59344-STK	1.000
E	59349-E	59344-E	1.000	.	59349-DOT	59344-DOT	1.000
F	59349-F	59344-F	1.000	,	59349-COM	59344-COM	1.000
G	59349-G	59344-G	1.000	:	59349-CLN	59344-CLN	1.000
H	59349-H	59344-H	1.000	;	59349-SCLN	59344-SCLN	1.000
I	59349-I	59344-I	1.000	⊥	59349-GND	59344-GND	1.000
J	59349-J	59344-J	1.000	⊕	59349-GNDP	59344-GNDP	1.000
K	59349-K	59344-K	1.000	~	59349-AC	59344-AC	1.000
L	59349-L	59344-L	1.000	Ω	59349-OHM	59344-OHM	1.000
M	59349-M	59344-M	1.000	*	59349-AST	59344-AST	1.000
N	59349-N	59344-N	1.000	Δ	59349-DELTA	59344-DELTA	1.000
O	59349-O	59344-O	1.000	∧	59349-STAR	59344-STAR	1.000
P	59349-P	59344-P	1.000	∅	59349-DIA	59344-DIA	1.000
Q	59349-Q	59344-Q	1.000				

### Insertion tool for push on ring cable markers

Family	Type	For push on ring cable markers	Quantity
RMT-01	990023	RMS-01	1
RMT-02	990024	RMS-02	1
RMT-03	990025	RMS-03	1



Directly on the cable.



# RMS-02

## Push on ring cable markers



alphanumeric

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm. Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor. Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing V0 according to UL94

**Operating temperature range:** -30°C to +90°C

**Cable ext. Ø range** 2,5 ÷ 5 mm

**C.s.a range** 1,5 ÷ 4 mm<sup>2</sup>



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	59649-0	59644-0	1.000	R	59649-R	59644-R	1.000	0	59640-0	1.000	
1	59649-1	59644-1	1.000	S	59649-S	59644-S	1.000		59640-	1.000	
2	59649-2	59644-2	1.000	T	59649-T	59644-T	1.000	1	59641-1	1.000	
3	59649-3	59644-3	1.000	U	59649-U	59644-U	1.000		59641-	1.000	
4	59649-4	59644-4	1.000	V	59649-V	59644-V	1.000	2	59642-2	1.000	
5	59649-5	59644-5	1.000	W	59649-W	59644-W	1.000	+	59642-PLS	1.000	
6	59649-6	59644-6	1.000	X	59649-X	59644-X	1.000		59642-	1.000	
7	59649-7	59644-7	1.000	Y	59649-Y	59644-Y	1.000	3	59643-3	1.000	
8	59649-8	59644-8	1.000	Z	59649-Z	59644-Z	1.000		59643-	1.000	
9	59649-9	59644-9	1.000		59649-	59644-	1.000	5	59645-5	1.000	
A	59649-A	59644-A	1.000	+	59649-PLS	59644-PLS	1.000		59645-	1.000	
B	59649-B	59644-B	1.000	-	59649-MNS	59644-MNS	1.000	6	59646-6	1.000	
C	59649-C	59644-C	1.000	=	59649-EQL	59644-EQL	1.000	-	59646-MNS	1.000	
D	59649-D	59644-D	1.000	/	59649-STK	59644-STK	1.000		59646-	1.000	
E	59649-E	59644-E	1.000	.	59649-DOT	59644-DOT	1.000	7	59647-7	1.000	
F	59649-F	59644-F	1.000	,	59649-COM	59644-COM	1.000		59647-	1.000	
G	59649-G	59644-G	1.000	:	59649-CLN	59644-CLN	1.000	8	59648-8	1.000	
H	59649-H	59644-H	1.000	;	59649-SCLN	59644-SCLN	1.000		59648-	1.000	
I	59649-I	59644-I	1.000	⊥	59649-GND	59644-GND	1.000				
J	59649-J	59644-J	1.000	⊕	59649-GNDP	59644-GNDP	1.000				
K	59649-K	59644-K	1.000	~	59649-AC	59644-AC	1.000				
L	59649-L	59644-L	1.000	Ω	59649-OHM	59644-OHM	1.000				
M	59649-M	59644-M	1.000	*	59649-AST	59644-AST	1.000				
N	59649-N	59644-N	1.000	Δ	59649-DELTA	59644-DELTA	1.000				
O	59649-O	59644-O	1.000	∩	59649-STAR	59644-STAR	1.000				
P	59649-P	59644-P	1.000	∅	59649-DIA	59644-DIA	1.000				
Q	59649-Q	59644-Q	1.000								



# RMS-02

plasticised  
**PVC** **-30°C** **+90°C**



Printed	Type		Quantity reel	Printed	Type		Quantity reel
	white	yellow			white	yellow	
0	59449-0	59444-0	1.000	R	59449-R	59444-R	1.000
1	59449-1	59444-1	1.000	S	59449-S	59444-S	1.000
2	59449-2	59444-2	1.000	T	59449-T	59444-T	1.000
3	59449-3	59444-3	1.000	U	59449-U	59444-U	1.000
4	59449-4	59444-4	1.000	V	59449-V	59444-V	1.000
5	59449-5	59444-5	1.000	W	59449-W	59444-W	1.000
6	59449-6	59444-6	1.000	X	59449-X	59444-X	1.000
7	59449-7	59444-7	1.000	Y	59449-Y	59444-Y	1.000
8	59449-8	59444-8	1.000	Z	59449-Z	59444-Z	1.000
9	59449-9	59444-9	1.000		59449-	59444-	1.000
A	59449-A	59444-A	1.000	+	59449-PLS	59444-PLS	1.000
B	59449-B	59444-B	1.000	-	59449-MNS	59444-MNS	1.000
C	59449-C	59444-C	1.000	=	59449-EQL	59444-EQL	1.000
D	59449-D	59444-D	1.000	/	59449-STK	59444-STK	1.000
E	59449-E	59444-E	1.000	.	59449-DOT	59444-DOT	1.000
F	59449-F	59444-F	1.000	,	59449-COM	59444-COM	1.000
G	59449-G	59444-G	1.000	:	59449-CLN	59444-CLN	1.000
H	59449-H	59444-H	1.000	;	59449-SCLN	59444-SCLN	1.000
I	59449-I	59444-I	1.000	⊥	59449-GND	59444-GND	1.000
J	59449-J	59444-J	1.000	⊕	59449-GNDP	59444-GNDP	1.000
K	59449-K	59444-K	1.000	~	59449-AC	59444-AC	1.000
L	59449-L	59444-L	1.000	Ω	59449-OHM	59444-OHM	1.000
M	59449-M	59444-M	1.000	*	59449-AST	59444-AST	1.000
N	59449-N	59444-N	1.000	Δ	59449-DELTA	59444-DELTA	1.000
O	59449-O	59444-O	1.000	∧	59449-STAR	59444-STAR	1.000
P	59449-P	59444-P	1.000	∅	59449-DIA	59444-DIA	1.000
Q	59449-Q	59444-Q	1.000				



Directly on the cable.

tools..... page 99



# RMS-03

## Push on ring cable markers



alphanumeric

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm. Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor. Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing V0 according to UL94

**Operating temperature range:** -30°C to +90°C

**Cable ext. Ø range** 4 ÷ 10 mm

**C.s.a range** 4 ÷ 16 mm<sup>2</sup>



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	59749-0	59744-0	500	R	59749-R	59744-R	500	0	59740-0	500	
1	59749-1	59744-1	500	S	59749-S	59744-S	500		59740-	500	
2	59749-2	59744-2	500	T	59749-T	59744-T	500	1	59741-1	500	
3	59749-3	59744-3	500	U	59749-U	59744-U	500		59741-	500	
4	59749-4	59744-4	500	V	59749-V	59744-V	500	2	59742-2	500	
5	59749-5	59744-5	500	W	59749-W	59744-W	500	+	59742-PLS	500	
6	59749-6	59744-6	500	X	59749-X	59744-X	500		59742-	500	
7	59749-7	59744-7	500	Y	59749-Y	59744-Y	500	3	59743-3	500	
8	59749-8	59744-8	500	Z	59749-Z	59744-Z	500		59743-	500	
9	59749-9	59744-9	500		59749-	59744-	500	5	59745-5	500	
A	59749-A	59744-A	500	+	59749-PLS	59744-PLS	500		59745-	500	
B	59749-B	59744-B	500	-	59749-MNS	59744-MNS	500	6	59746-6	500	
C	59749-C	59744-C	500	=	59749-EQL	59744-EQL	500	-	59746-MNS	500	
D	59749-D	59744-D	500	/	59749-STK	59744-STK	500		59746-	500	
E	59749-E	59744-E	500	.	59749-DOT	59744-DOT	500	7	59747-7	500	
F	59749-F	59744-F	500	,	59749-COM	59744-COM	500		59747-	500	
G	59749-G	59744-G	500	:	59749-CLN	59744-CLN	500	8	59748-8	500	
H	59749-H	59744-H	500	;	59749-SCLN	59744-SCLN	500		59748-	500	
I	59749-I	59744-I	500	⊥	59749-GND	59744-GND	500				
J	59749-J	59744-J	500	⊕	59749-GNDP	59744-GNDP	500				
K	59749-K	59744-K	500	~	59749-AC	59744-AC	500				
L	59749-L	59744-L	500	Ω	59749-OHM	59744-OHM	500				
M	59749-M	59744-M	500	*	59749-AST	59744-AST	500				
N	59749-N	59744-N	500	Δ	59749-DELTA	59744-DELTA	500				
O	59749-O	59744-O	500	∧	59749-STAR	59744-STAR	500				
P	59749-P	59744-P	500	∅	59749-DIA	59744-DIA	500				
Q	59749-Q	59744-Q	500								



Directly on the cable

tools..... page 99



# RMS-04

## Push on ring cable markers

alphanumeric

RMS push on ring cable markers available in four range-taking sizes for marking cables with external diameters from 1,3 to 16 mm. Characters are printed in black on a white or yellow background, or according to the IEC 757 colour code for numbered or unprinted versions. Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor. Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.

**Material:** Soft PVC, self extinguishing according to class V0: UL 94

**Operating temperature range:** -30°C to +90°C

**Cable ext. Ø range** 8 ÷ 16 mm

**C.s.a range** 16 ÷ 70 mm<sup>2</sup>



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	59849-0	59844-0	100	R	59849-R	59844-R	100	0	59840-0	100	
1	59849-1	59844-1	100	S	59849-S	59844-S	100		59840-	100	
2	59849-2	59844-2	100	T	59849-T	59844-T	100	1	59841-1	100	
3	59849-3	59844-3	100	U	59849-U	59844-U	100		59841-	100	
4	59849-4	59844-4	100	V	59849-V	59844-V	100	2	59842-2	100	
5	59849-5	59844-5	100	W	59849-W	59844-W	100	+	59842-PLS	100	
6	59849-6	59844-6	100	X	59849-X	59844-X	100		59842-	100	
7	59849-7	59844-7	100	Y	59849-Y	59844-Y	100	3	59843-3	100	
8	59849-8	59844-8	100	Z	59849-Z	59844-Z	100		59843-	100	
9	59849-9	59844-9	100		59849-	59844-	100	5	59845-5	100	
A	59849-A	59844-A	100	+	59849-PLS	59844-PLS	100		59845-	100	
B	59849-B	59844-B	100	-	59849-MNS	59844-MNS	100	6	59846-6	100	
C	59849-C	59844-C	100	=	59849-EQL	59844-EQL	100	-	59846-MNS	100	
D	59849-D	59844-D	100	/	59849-STK	59844-STK	100		59846-	100	
E	59849-E	59844-E	100	.	59849-DOT	59844-DOT	100	7	59847-7	100	
F	59849-F	59844-F	100	,	59849-COM	59844-COM	100		59847-	100	
G	59849-G	59844-G	100	:	59849-CLN	59844-CLN	100	8	59848-8	100	
H	59849-H	59844-H	100	;	59849-SCLN	59844-SCLN	100		59848-	100	
I	59849-I	59844-I	100	⊥	59849-GND	59844-GND	100				
J	59849-J	59844-J	100	⊕	59849-GNDP	59844-GNDP	100				
K	59849-K	59844-K	100	~	59849-AC	59844-AC	100				
L	59849-L	59844-L	100	Ω	59849-OHM	59844-OHM	100				
M	59849-M	59844-M	100	*	59849-AST	59844-AST	100				
N	59849-N	59844-N	100	Δ	59849-DELTA	59844-DELTA	100				
O	59849-O	59844-O	100	∧	59849-STAR	59844-STAR	100				
P	59849-P	59844-P	100	∅	59849-DIA	59844-DIA	100				
Q	59849-Q	59844-Q	100								



Directly on the cable.

tools..... page 99



# FMS

## Push on flat ring cable markers

with tie on carriers

FMS flat ring markers printed black on yellow, push onto tie on carriers for attachment to large diameter cables, etc.

Made from soft PVC, self extinguishing according to V0 (UL 94), they are chevron cut for perfect alignment on the conductor.

Characters are printed by a hot process, making a slight impression in the material to maintain indelible marking over time.



**Material:** Soft PVC, self extinguishing V0 according to UL94

**Operating temperature range:** -30°C to +90°C



Length mm	Printed	Type yellow	Quantity	Length mm	Printed	Type yellow	Quantity	Length mm	Printed	Type yellow	Quantity
4	0	32274-0	500	4	J	32274-J	500	4	+	32274-PLS	500
4	1	32274-1	500	4	K	32274-K	500	4	-	32274-MNS	500
4	2	32274-2	500	4	L	32274-L	500	4	=	32274-EQL	500
4	3	32274-3	500	4	M	32274-M	500	4	/	32274-STK	500
4	4	32274-4	500	4	N	32274-N	500	4	.	32274-DOT	500
4	5	32274-5	500	4	O	32274-O	500	4	,	32274-COM	500
4	6	32274-6	500	4	P	32274-P	500	4	:	32274-CLN	500
4	7	32274-7	500	4	Q	32274-Q	500	4	;	32274-SCLN	500
4	8	32274-8	500	4	R	32274-R	500	4	⊥	32274-GND	500
4	9	32274-9	500	4	S	32274-S	500	4	⊕	32274-GNDP	500
4	A	32274-A	500	4	T	32274-T	500	4	~	32274-AC	500
4	B	32274-B	500	4	U	32274-U	500	4	Ω	32274-OHM	500
4	C	32274-C	500	4	V	32274-V	500	4	*	32274-AST	500
4	D	32274-D	500	4	W	32274-W	500	4	Δ	32274-DELTA	500
4	E	32274-E	500	4	X	32274-X	500	4	⋈	32274-STAR	500
4	F	32274-F	500	4	Y	32274-Y	500	4	∅	32274-DIA	500
4	G	32274-G	500	4	Z	32274-Z	500				
4	H	32274-H	500	4		32274-	500				
4	I	32274-I	500	40		20314	100				

## Carrier for push on flat ring cable markers

tie width max 4,8mm

Family	Height mm	Length mm	Type	N° of rings	Quantity
FMH-7	9	30	990088	7	1
FMH-12	9	50	990089	12	1
FMH-18	9	70	990090	18	1



# MS-ETF

## Laminated write on-tie on

pre-cut, one piece markers, tie on

For attachment by cable ties to pipes, conduits and cables with larger diameters.

A permanent marker is used to handwrite data on the tag over which an adhesive, transparent film is applied for protection.



**Material:** UV stabilised Polypropylene (PP) for tag, Polyester (O-PET) for protective film.

**Operating temperature range:** -10°C to +60°C

**Application temperature range:** > +10°C

PP
HF
-10°C
+60°C



Height mm	Length mm	Type yellow	Print area mm	Cable tie max width mm	Quantity
14	70	4810-YE	48 x 10	4,8	100
15	100	5515-YE	55 x 15	4,8	100
15	130	8515-YE	85 x 15	4,8	100



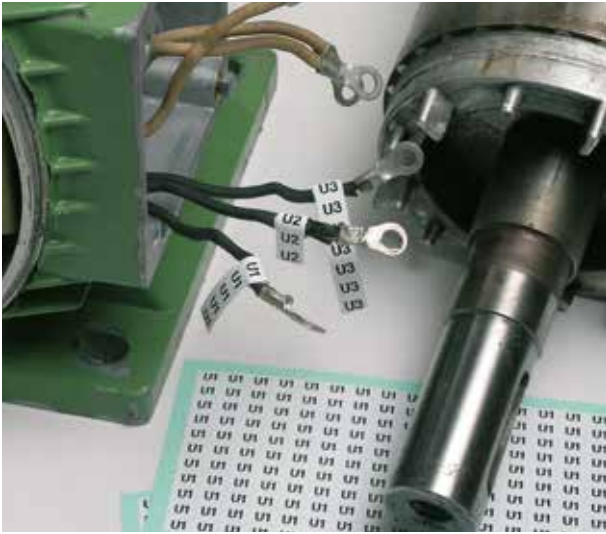
Directly on the cable.

cable ties ..... page 135



# ANS

## Wraparound cable markers



*self adhesive, self laminating, square corners, precut*

Adhesive preprinted strips for the temporary or permanent marking of insulated and uninsulated conductors.

ANS strips may be used in the production of electric motors as the material will withstand the oven temperatures at which the insulating resins of stators and rotors are baked.

Also available with numeric and alphanumeric combinations and progressions.

**PET** **-** **40°C** **+** **150°C**



Size mm	Printed	Type white	Strips per sheet	Quantity	Size mm	Printed	Type white	Strips per sheet	Quantity	Size mm	Printed	Type white	Strips per sheet	Quantity
8 x 65		25109-	20	300	8 x 65	X	25109-Y	20	300	8 x 65	22	25109-22	20	300
8 x 65	A	25109-A	20	300	8 x 65	Y	25109-X	20	300	8 x 65	23	25109-23	20	300
8 x 65	B	25109-B	20	300	8 x 65	Z	25109-Z	20	300	8 x 65	24	25109-24	20	300
8 x 65	C	25109-C	20	300	8 x 65	0	25109-0	20	300	8 x 65	25	25109-25	20	300
8 x 65	D	25109-D	20	300	8 x 65	1	25109-1	20	300	8 x 65	26	25109-26	20	300
8 x 65	E	25109-E	20	300	8 x 65	2	25109-2	20	300	8 x 65	27	25109-27	20	300
8 x 65	F	25109-F	20	300	8 x 65	3	25109-3	20	300	8 x 65	28	25109-28	20	300
8 x 65	G	25109-G	20	300	8 x 65	4	25109-4	20	300	8 x 65	29	25109-29	20	300
8 x 65	H	25109-H	20	300	8 x 65	5	25109-5	20	300	8 x 65	30	25109-30	20	300
8 x 65	I	25109-J	20	300	8 x 65	6	25109-6	20	300	8 x 65	31	25109-31	20	300
8 x 65	J	25109-K	20	300	8 x 65	7	25109-7	20	300	8 x 65	32	25109-32	20	300
8 x 65	K	25109-I	20	300	8 x 65	8	25109-8	20	300	8 x 65	33	25109-33	20	300
8 x 65	L	25109-L	20	300	8 x 65	9	25109-9	20	300	8 x 65	34	25109-34	20	300
8 x 65	M	25109-M	20	300	8 x 65	10	25109-10	20	300	8 x 65	35	25109-35	20	300
8 x 65	N	25109-N	20	300	8 x 65	11	25109-11	20	300	8 x 65	36	25109-36	20	300
8 x 65	Ñ	25109-Ñ	20	300	8 x 65	12	25109-12	20	300	8 x 65	37	25109-37	20	300
8 x 65	O	25109-O	20	300	8 x 65	13	25109-13	20	300	8 x 65	38	25109-38	20	300
8 x 65	P	25109-P	20	300	8 x 65	14	25109-14	20	300	8 x 65	39	25109-39	20	300
8 x 65	Q	25109-Q	20	300	8 x 65	15	25109-15	20	300	8 x 65	40	25109-40	20	300
8 x 65	R	25109-R	20	300	8 x 65	16	25109-16	20	300	8 x 65	43	25109-43	20	300
8 x 65	S	25109-S	20	300	8 x 65	17	25109-17	20	300	8 x 65	44	25109-44	20	300
8 x 65	T	25109-T	20	300	8 x 65	18	25109-18	20	300	8 x 65	45	25109-45	20	300
8 x 65	U	25109-U	20	300	8 x 65	19	25109-19	20	300	8 x 65	U1	25109-U1	20	300
8 x 65	V	25109-V	20	300	8 x 65	20	25109-20	20	300	8 x 65	U2	25109-U2	20	300
8 x 65	W	25109-W	20	300	8 x 65	21	25109-21	20	300	8 x 65	U3	25109-U3	20	300

# ANS



**Material:** Polyester film. Resistant to Water, Alcohol, Oils and Atmospheric Agents. Excellent dimensional stability

**Operating temperature range:** -40°C to +150°C

**Application temperature range:** +10°C to +40°C

**PET** **-** **40°C** **+** **150°C**



Size mm	Printed	Type white	Strips per sheet	Quantity	Size mm	Printed	Type white	Strips per sheet	Quantity	Size mm	Printed	Type white	Strips per sheet	Quantity
8 x 65	U4	25109-U4	20	300	8 x 65	V8	25109-V8	20	300	8 x 65	W12	25109-W12	20	300
8 x 65	U5	25109-U5	20	300	8 x 65	V9	25109-V9	20	300	8 x 65	F1	25109-F1	20	300
8 x 65	U6	25109-U6	20	300	8 x 65	V10	25109-V10	20	300	8 x 65	F2	25109-F2	20	300
8 x 65	U7	25109-U7	20	300	8 x 65	V11	25109-V11	20	300	8 x 65	X1	25109-X1	20	300
8 x 65	U8	25109-U8	20	300	8 x 65	V12	25109-V12	20	300	8 x 65	X2	25109-X2	20	300
8 x 65	U9	25109-U9	20	300	8 x 65	W1	25109-W1	20	300	8 x 65	Y1	25109-Y1	20	300
8 x 65	U10	25109-U10	20	300	8 x 65	W2	25109-W2	20	300	8 x 65	Y2	25109-Y2	20	300
8 x 65	U11	25109-U11	20	300	8 x 65	W3	25109-W3	20	300	8 x 65	Z1	25109-Z1	20	300
8 x 65	U12	25109-U12	20	300	8 x 65	W4	25109-W4	20	300	8 x 65	Z2	25109-Z2	20	300
8 x 65	V1	25109-V1	20	300	8 x 65	W5	25109-W5	20	300	8 x 65	302	25109-302	20	300
8 x 65	V2	25109-V2	20	300	8 x 65	W6	25109-W6	20	300	8 x 65	309	25109-309	20	300
8 x 65	V3	25109-V3	20	300	8 x 65	W7	25109-W7	20	300	8 x 65	310	25109-310	20	300
8 x 65	V4	25109-V4	20	300	8 x 65	W8	25109-W8	20	300	8 x 65	⏏	25109-GND	20	300
8 x 65	V5	25109-V5	20	300	8 x 65	W9	25109-W9	20	300	8 x 65	+	25109-PLS	20	300
8 x 65	V6	25109-V6	20	300	8 x 65	W10	25109-W10	20	300	8 x 65	-	25109-MNS	20	300
8 x 65	V7	25109-V7	20	300	8 x 65	W11	25109-W11	20	300					



Directly on cables.



# ANL

## Alphanumeric signs

Pre-printed, in PVC and Aluminium

Also available with numeric and alphanumeric combinations and progressions.

\*AR: Aluminium undrilled, not adhesive, made to order.

NOTE: Sign with letter " I " is narrower.



**Material:** PVC film

**Operating temperature range:** -40°C to +80°C

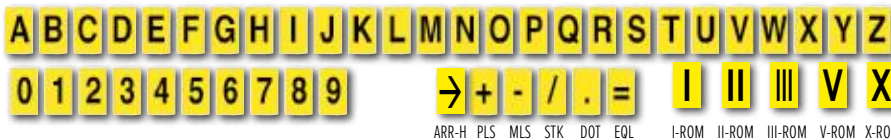
**Application temperature range:** +10°C to +40°C

PVC 40°C 80°C



Size mm	Type yellow	Quantity	Size mm	Type yellow	Quantity
10 x 6	374101-...	500	10 x 12	374101-...	500
13 x 9	374102-...	450	13 x 18	374102-...	450
11 x 11	374114-...	300	11 x 22	374114-...	300
15 x 10	374103-...	280	15 x 20	374103-...	280
20 x 12	374104-...	240	20 x 24	374104-...	240
19 x 14	374105-...	240	19 x 28	374105-...	240
25 x 16	374106-...	120	25 x 32	374106-...	120
38 x 22	374107-...	80	38 x 44	374107-...	80
60 x 34	374108-...	25	60 x 68	374108-...	25
99 x 56	374109-...	15	99 x 112	374109-...	15
124 x 70	374110-...	10	124 x 140	374110-...	10
175 x 99	374111-...	5	175 x 198	374111-...	5
200 x 148	374112-...	1	200 x 296	374112-...	1
297 x 210	374113-...	1	297 x 420	374113-...	1

Arabic numerals	Roman numerals	Arabic numerals	Roman numerals
1	I	40	XL
2	II	50	L
3	III	60	LX
4	IV	70	LXX
5	V	80	LXXX
6	VI	90	XC
7	VII	100	C
8	VIII	150	CL
9	IX	160	CLX
10	X	200	CC
11	XI	250	CCL
12	XII	300	CCC
13	XIII	400	CD
14	XIV	500	D
15	XV	600	DC
16	XVI	700	DCC
17	XVII	800	DCCC
18	XVIII	900	CM
19	XIX	1.000	M
20	XX	2.000	MM
21	XXI	3.000	MMM
22	XXII	4.000	MMMM
30	XXX		



Directly on surface.



# WIT-W

## Cable ticket

### cable bundle identification

Pre-printed double-sided tags editable with appropriate marking pen for identification of multiple conductors. Affixable via cable ties.

**56008 front/back**

**56008-GB front/back**



**Material:** Polypropylene

**Operating temperature range:** -30°C to +60°C

PP - 30°C + 60°C



Thickness mm	Type	Size mm	Quantity
0,3	<b>56009</b>	50 x 100	1.000 / 100
0,5	<b>56008</b>	50 x 100	500 / 50
	<b>56008-GB</b>	50 x 100	500 / 50

**56006 front/back**

**56006-GB front/back**



**Material:** soft PVC

**Operating temperature range:** -30°C to +60°C

PVC - 30°C + 60°C



Thickness mm	Type	Size mm	Quantity
0,5	<b>56006</b>	40 x 100	500/50
	<b>56006-GB</b>	40 x 100	500/50



Affix by appropriate means, e.g cable tie.

cables ties ..... page 135



# S40390

## Cable tags without holder

one piece, clip on

S40390 one piece tags require no transparent holders and are mounted on cables via the two range-taking apertures.

Tags are easily removed from the stems and partially printed sheets may be reused to avoid wastage.

- It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.



**Material:** Polycarbonate, Halogen Free, self extinguishing class V0: UL94.

**Operating temperature range:** -40°C to +130°C

PC HF SF 40°C 130°C

UL94 V0 RoHS COMPLIANT 2011/65/EU

Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Size mm	Type	Printed	Tags per sheet	Quantity
2 ÷ 2,9	0,5 ÷ 1,5	4 x 12	S40390-01-RE	01	40	880
			S40390-02-GN	02	40	880
			S40390-03-YE	03	40	880
			S40390-04-BR	04	40	880
			S40390-05-BU	05	40	880
			S40390-06-VI	06	40	880
			S40390-07-PK	07	40	880
			S40390-08-OR	08	40	880
			S40390-09-GY	09	40	880
			S40390-10-BK	10	40	880
			S40390-11-LBU	11	40	880
			S40390-12-WH	12	40	880
			S40390-13-RE	13	40	880
			S40390-14-GN	14	40	880
			S40390-15-YE	15	40	880
			S40390-16-BR	16	40	880
			S40390-17-BU	17	40	880
			S40390-18-VI	18	40	880
			S40390-19-PK	19	40	880
			S40390-20-OR	20	40	880
			S40390-21-GY	21	40	880
			S40390-22-BK	22	40	880
			S40390-23-LBU	23	40	880
			S40390-24-WH	24	40	880



RETROFIT? INDISPENSABLE!



Directly on cables according to the diameter ranges shown in the table.



# SM-01

## Snap on cable markers

alphanumeric

Markers are attached directly from their applicator, which is brown. The small sizes provide an ideal identification system for small-section cables, eg in electronic equipment.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C**, nondegradable and nondeformable to **-40°C**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 1 ÷ 1,4 mm**

**C.s.a range 0,25 ÷ 0,35 mm<sup>2</sup>**



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type	Quantity
	white	yellow			white	yellow				
0	17900-0	17400-0	300	M	17900-M	17400-M	300	0	17000-0	300
1	17900-1	17400-1	300	N	17900-N	17400-N	300		17000-	300
2	17900-2	17400-2	300	O	17900-O	17400-O	300	1	17100-1	300
3	17900-3	17400-3	300	P	17900-P	17400-P	300		17100-	300
4	17900-4	17400-4	300	Q	17900-Q	17400-Q	300	2	17200-2	300
5	17900-5	17400-5	300	R	17900-R	17400-R	300		17200-	300
6	17900-6	17400-6	300	S	17900-S	17400-S	300	3	17300-3	300
7	17900-7	17400-7	300	T	17900-T	17400-T	300		17300-	300
8	17900-8	17400-8	300	U	17900-U	17400-U	300	5	17500-5	300
9	17900-9	17400-9	300	V	17900-V	17400-V	300		17500-	300
A	17900-A	17400-A	300	W	17900-W	17400-W	300	6	17600-6	300
B	17900-B	17400-B	300	X	17900-X	17400-X	300		17600-	300
C	17900-C	17400-C	300	Y	17900-Y	17400-Y	300	7	17700-7	300
D	17900-D	17400-D	300	Z	17900-Z	17400-Z	300		17700-	300
E	17900-E	17400-E	300		17900-	17400-	300	8	17800-8	300
F	17900-F	17400-F	300	+	17900-PLS	17400-PLS	300		17800-	300
G	17900-G	17400-G	300	-	17900-MNS	17400-MNS	300	Available on request is the color version. Please contact CEMBRE.		
H	17900-H	17400-H	300	~	17900-AC	17400-AC	300			
I	17900-I	17400-I	300	/	17900-STK	17400-STK	300			
J	17900-J	17400-J	300	.	17900-DOT	17400-DOT	300			
K	17900-K	17400-K	300	⊥	17900-GND	17400-GND	300			
L	17900-L	17400-L	300	:	17900-CLN	17400-CLN	300			

RETROFIT? INDISPENSABLE!

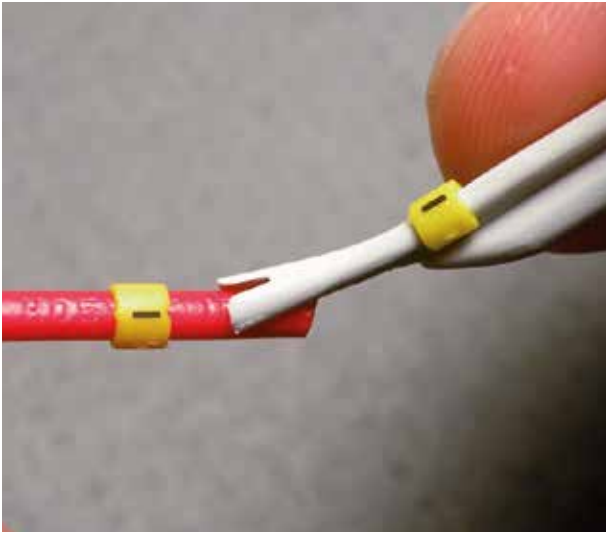


# SM-02

## Snap on cable markers

alphanumeric

Markers are attached directly from their applicator, which is grey. The small sizes provide ideal identification system for small-section cables, eg in electronic equipment.



**Material:** POM – Acetylic Resin dimensionally stable to +106°C, nondegradable and nondeformable to -40°C, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 1,4 ÷ 1,8 mm**

**C.s.a range 0,35 ÷ 0,75 mm²**



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type		Quantity
	white	yellow			white	yellow			white	yellow	
0	17910-0	17410-0	300	M	17910-M	17410-M	300	0	17010-0	300	
1	17910-1	17410-1	300	N	17910-N	17410-N	300	1	17010-1	300	
2	17910-2	17410-2	300	O	17910-O	17410-O	300	1	17110-1	300	
3	17910-3	17410-3	300	P	17910-P	17410-P	300	2	17110-2	300	
4	17910-4	17410-4	300	Q	17910-Q	17410-Q	300	2	17210-2	300	
5	17910-5	17410-5	300	R	17910-R	17410-R	300	3	17210-3	300	
6	17910-6	17410-6	300	S	17910-S	17410-S	300	3	17310-3	300	
7	17910-7	17410-7	300	T	17910-T	17410-T	300	5	17310-5	300	
8	17910-8	17410-8	300	U	17910-U	17410-U	300	5	17510-5	300	
9	17910-9	17410-9	300	V	17910-V	17410-V	300	6	17510-6	300	
A	17910-A	17410-A	300	W	17910-W	17410-W	300	6	17610-6	300	
B	17910-B	17410-B	300	X	17910-X	17410-X	300	7	17610-7	300	
C	17910-C	17410-C	300	Y	17910-Y	17410-Y	300	7	17710-7	300	
D	17910-D	17410-D	300	Z	17910-Z	17410-Z	300	8	17710-8	300	
E	17910-E	17410-E	300		17910-	17410-	300		17810-8	300	
F	17910-F	17410-F	300	+	17910-PLS	17410-PLS	300		17810-	300	
G	17910-G	17410-G	300	-	17910-MNS	17410-MNS	300				
H	17910-H	17410-H	300	~	17910-AC	17410-AC	300				
I	17910-I	17410-I	300	/	17910-STK	17410-STK	300				
J	17910-J	17410-J	300	.	17910-DOT	17410-DOT	300				
K	17910-K	17410-K	300	⏏	17910-GND	17410-GND	300				
L	17910-L	17410-L	300	:	17910-CLN	17410-CLN	300				

Available on request is the color version. Please contact CEMBRE.

**RETROFIT? INDISPENSABLE!**



# SM-03

## Snap on cable markers

alphanumeric

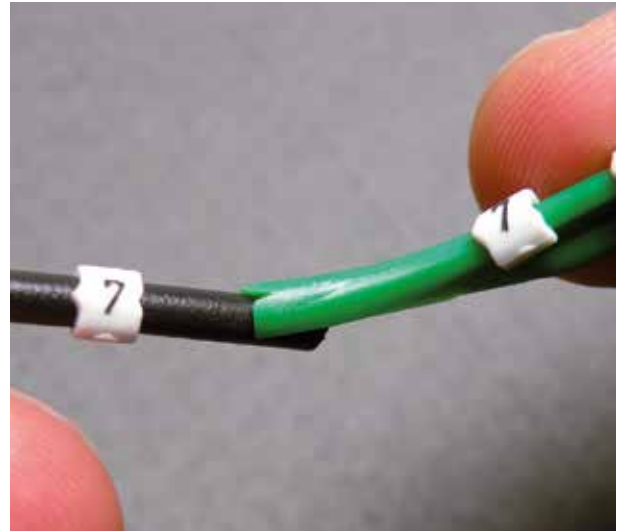
Markers are attached directly from their applicator, which is green.

**Material:** POM – Acetylic Resin dimensionally stable to +106°C, nondegradable and nondeformable to -40°C, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

Cable ext. Ø range 1,9 ÷ 2,65 mm

C.s.a range 0,5 ÷ 1 mm²



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type	Quantity
	white	yellow			white	yellow				
0	17920-0	17420-0	300	M	17920-M	17420-M	300	0	17020-0	300
1	17920-1	17420-1	300	N	17920-N	17420-N	300		17020-	300
2	17920-2	17420-2	300	O	17920-O	17420-O	300	1	17120-1	300
3	17920-3	17420-3	300	P	17920-P	17420-P	300		17120-	300
4	17920-4	17420-4	300	Q	17920-Q	17420-Q	300	2	17220-2	300
5	17920-5	17420-5	300	R	17920-R	17420-R	300		17220-	300
6	17920-6	17420-6	300	S	17920-S	17420-S	300	3	17320-3	300
7	17920-7	17420-7	300	T	17920-T	17420-T	300		17320-	300
8	17920-8	17420-8	300	U	17920-U	17420-U	300	5	17520-5	300
9	17920-9	17420-9	300	V	17920-V	17420-V	300		17520-	300
A	17920-A	17420-A	300	W	17920-W	17420-W	300	6	17620-6	300
B	17920-B	17420-B	300	X	17920-X	17420-X	300		17620-	300
C	17920-C	17420-C	300	Y	17920-Y	17420-Y	300	7	17720-7	300
D	17920-D	17420-D	300	Z	17920-Z	17420-Z	300		17720-	300
E	17920-E	17420-E	300		17920-	17420-	300	8	17820-8	300
F	17920-F	17420-F	300		17920-	17420-	300		17820-	300
G	17920-G	17420-G	300	+	17920-PLS	17420-PLS	300	Available on request is the color version. Please contact CEMBRE.		
H	17920-H	17420-H	300	-	17920-MNS	17420-MNS	300			
I	17920-I	17420-I	300	~	17920-AC	17420-AC	300			
J	17920-J	17420-J	300	/	17920-STK	17420-STK	300			
K	17920-K	17420-K	300	.	17920-DOT	17420-DOT	300			
L	17920-L	17420-L	300	⊥	17920-GND	17420-GND	300			
				:	17920-CLN	17420-CLN	300			

RETROFIT? INDISPENSABLE!

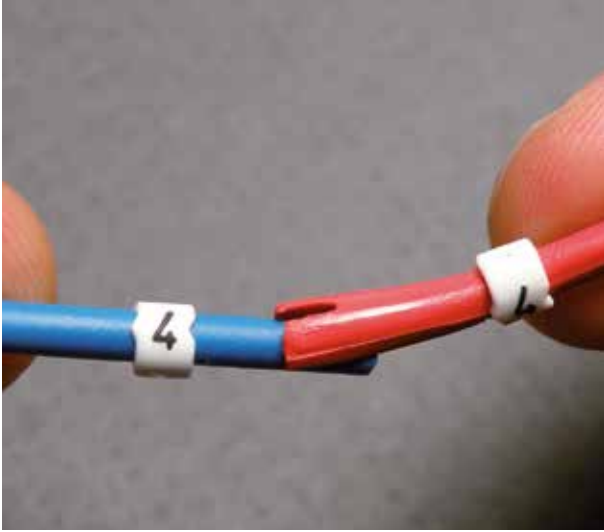


# SM-06

## Snap on cable markers

alphanumeric

Markers are attached directly from their applicator, which is red. Printed both sides for better legibility.



**Material:** POM – Acetylic Resin dimensionally stable to +106°C, nondegradable and nondeformable to -40°C, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 2,6 ÷ 3,5 mm**

**C.s.a range 0,75 ÷ 1,5 mm<sup>2</sup>**



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type		Quantity
	white	yellow			white	yellow			white	yellow	
0	17930-0	17430-0	300	M	17930-M	17430-M	300	0	17030-0	300	
1	17930-1	17430-1	300	N	17930-N	17430-N	300		17030-	300	
2	17930-2	17430-2	300	O	17930-O	17430-O	300	1	17130-1	300	
3	17930-3	17430-3	300	P	17930-P	17430-P	300		17130-	300	
4	17930-4	17430-4	300	Q	17930-Q	17430-Q	300	2	17230-2	300	
5	17930-5	17430-5	300	R	17930-R	17430-R	300		17230-	300	
6	17930-6	17430-6	300	S	17930-S	17430-S	300	3	17330-3	300	
7	17930-7	17430-7	300	T	17930-T	17430-T	300		17330-	300	
8	17930-8	17430-8	300	U	17930-U	17430-U	300	5	17530-5	300	
9	17930-9	17430-9	300	V	17930-V	17430-V	300		17530-	300	
A	17930-A	17430-A	300	W	17930-W	17430-W	300	6	17630-6	300	
B	17930-B	17430-B	300	X	17930-X	17430-X	300		17630-	300	
C	17930-C	17430-C	300	Y	17930-Y	17430-Y	300	7	17730-7	300	
D	17930-D	17430-D	300	Z	17930-Z	17430-Z	300		17730-	300	
E	17930-E	17430-E	300		17930-	17430-	300	8	17830-8	300	
F	17930-F	17430-F	300	+	17930-PLS	17430-PLS	300		17830-	300	
G	17930-G	17430-G	300	-	17930-MNS	17430-MNS	300	Available on request is the color version. Please contact CEMBRE.			
H	17930-H	17430-H	300	~	17930-AC	17430-AC	300				
I	17930-I	17430-I	300	/	17930-STK	17430-STK	300				
J	17930-J	17430-J	300	.	17930-DOT	17430-DOT	300				
K	17930-K	17430-K	300	⏏	17930-GND	17430-GND	300				
L	17930-L	17430-L	300	:	17930-CLN	17430-CLN	300				

RETROFIT? INDISPENSABLE!



# SM-09

## Snap on cable markers

alphanumeric

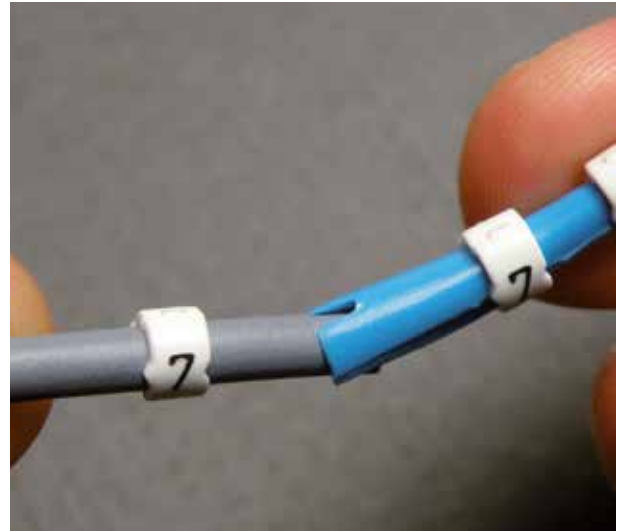
The number of 30 Markers are attached directly from their applicator, which is blue. Printed both sides for better legibility.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C**, nondegradable and nondeformable to **-40°C**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 3,25 ÷ 4,5 mm**

**C.s.a range 1,5 ÷ 2,5 mm<sup>2</sup>**



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type	Quantity
	white	yellow			white	yellow			17040-0	
0	17940-0	17440-0	300	M	17940-M	17440-M	300		17040-	300
1	17940-1	17440-1	300	N	17940-N	17440-N	300	1	17140-1	300
2	17940-2	17440-2	300	O	17940-O	17440-O	300		17140-	300
3	17940-3	17440-3	300	P	17940-P	17440-P	300	2	17240-2	300
4	17940-4	17440-4	300	Q	17940-Q	17440-Q	300		17240-	300
5	17940-5	17440-5	300	R	17940-R	17440-R	300	3	17340-3	300
6	17940-6	17440-6	300	S	17940-S	17440-S	300		17340-	300
7	17940-7	17440-7	300	T	17940-T	17440-T	300	5	17540-5	300
8	17940-8	17440-8	300	U	17940-U	17440-U	300		17540-	300
9	17940-9	17440-9	300	V	17940-V	17440-V	300	6	17640-6	300
A	17940-A	17440-A	300	W	17940-W	17440-W	300		17640-	300
B	17940-B	17440-B	300	X	17940-X	17440-X	300	7	17740-7	300
C	17940-C	17440-C	300	Y	17940-Y	17440-Y	300		17740-	300
D	17940-D	17440-D	300	Z	17940-Z	17440-Z	300	8	17840-8	300
E	17940-E	17440-E	300		17940-	17440-	300		17840-	300
F	17940-F	17440-F	300	+	17940-PLS	17440-PLS	300	Available on request is the color version. Please contact CEMBRE.		
G	17940-G	17440-G	300	-	17940-MNS	17440-MNS	300			
H	17940-H	17440-H	300	~	17940-AC	17440-AC	300			
I	17940-I	17440-I	300	/	17940-STK	17440-STK	300			
J	17940-J	17440-J	300	.	17940-DOT	17440-DOT	300			
K	17940-K	17440-K	300	⊥	17940-GND	17440-GND	300			
L	17940-L	17440-L	300	:	17940-CLN	17440-CLN	300			

**RETROFIT? INDISPENSABLE!**

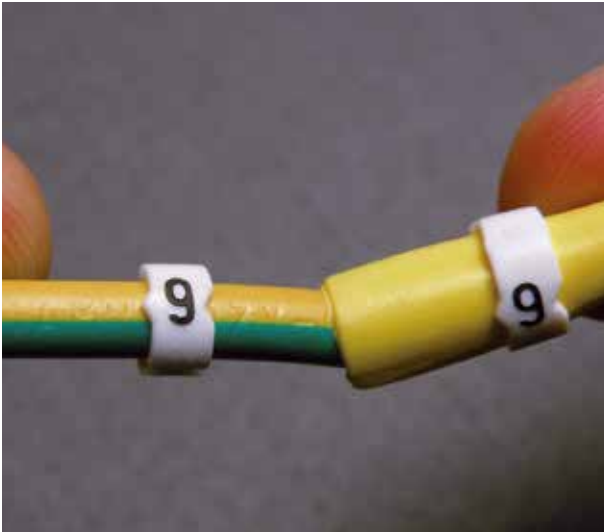


# SM-12

## Snap on cable markers

alphanumeric

Markers are attached directly from their applicator, which is yellow. They are particularly recommended for identifying the connecting cables of IT networks.



**Material:** POM – Acetylic Resin dimensionally stable to +106°C, nondegradable and nondeformable to -40°C, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

Cable ext. Ø range 4,5 ÷ 6 mm

C.s.a range 4 ÷ 6 mm<sup>2</sup>



Printed	Type		Quantity	Printed	Type		Quantity	Printed	Type		Quantity
	white	yellow			white	yellow			white	yellow	
0	17950-0	17450-0	300	M	17950-M	17450-M	300	0	17050-0	300	
1	17950-1	17450-1	300	N	17950-N	17450-N	300		17050-	300	
2	17950-2	17450-2	300	O	17950-O	17450-O	300	1	17150-1	300	
3	17950-3	17450-3	300	P	17950-P	17450-P	300		17150-	300	
4	17950-4	17450-4	300	Q	17950-Q	17450-Q	300	2	17250-2	300	
5	17950-5	17450-5	300	R	17950-R	17450-R	300	+	17250-PLS	300	
6	17950-6	17450-6	300	S	17950-S	17450-S	300		17250-	300	
7	17950-7	17450-7	300	T	17950-T	17450-T	300	3	17350-3	300	
8	17950-8	17450-8	300	U	17950-U	17450-U	300		17350-	300	
9	17950-9	17450-9	300	V	17950-V	17450-V	300	5	17550-5	300	
A	17950-A	17450-A	300	W	17950-W	17450-W	300		17550-	300	
B	17950-B	17450-B	300	X	17950-X	17450-X	300	6	17650-6	300	
C	17950-C	17450-C	300	Y	17950-Y	17450-Y	300		17650-	300	
D	17950-D	17450-D	300	Z	17950-Z	17450-Z	300	7	17750-7	300	
E	17950-E	17450-E	300		17950-	17450-	300		17750-	300	
F	17950-F	17450-F	300	+	17950-PLS	17450-PLS	300	8	17850-8	300	
G	17950-G	17450-G	300	-	17950-MNS	17450-MNS	300		17850-	300	
H	17950-H	17450-H	300	~	17950-AC	17450-AC	300	Available on request is the color version. Please contact CEMBRE.			
I	17950-I	17450-I	300	/	17950-STK	17450-STK	300				
J	17950-J	17450-J	300	.	17950-DOT	17450-DOT	300				
K	17950-K	17450-K	300	⏏	17950-GND	17450-GND	300				
L	17950-L	17450-L	300	:	17950-CLN	17450-CLN	300				

RETROFIT? INDISPENSABLE!



# SM-15

## Snap on cable markers

alphanumeric

Loose cable markers, particularly recommended for identifying the connecting cables of IT networks.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C**, nondegradable and nondeformable to **-40°C**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 5,8 ÷ 8,5 mm**

**C.s.a range 10 ÷ 16 mm<sup>2</sup>**



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type	Quantity bag
	white	yellow			white	yellow				
0	17960-0	17460-0	50	M	17960-M	17460-M	50	0	17060-0	50
1	17960-1	17460-1	50	N	17960-N	17460-N	50		17060-	50
2	17960-2	17460-2	50	O	17960-O	17460-O	50	1	17160-1	50
3	17960-3	17460-3	50	P	17960-P	17460-P	50		17160-	50
4	17960-4	17460-4	50	Q	17960-Q	17460-Q	50	2	17260-2	50
5	17960-5	17460-5	50	R	17960-R	17460-R	50		17260-	50
6	17960-6	17460-6	50	S	17960-S	17460-S	50	3	17360-3	50
7	17960-7	17460-7	50	T	17960-T	17460-T	50		17360-	50
8	17960-8	17460-8	50	U	17960-U	17460-U	50	5	17560-5	50
9	17960-9	17460-9	50	V	17960-V	17460-V	50		17560-	50
A	17960-A	17460-A	50	W	17960-W	17460-W	50	6	17660-6	50
B	17960-B	17460-B	50	X	17960-X	17460-X	50		17660-	50
C	17960-C	17460-C	50	Y	17960-Y	17460-Y	50	7	17760-7	50
D	17960-D	17460-D	50	Z	17960-Z	17460-Z	50		17760-	50
E	17960-E	17460-E	50		17960-	17460-	50	8	17860-8	50
F	17960-F	17460-F	50	+	17960-PLS	17460-PLS	50		17860-	50
G	17960-G	17460-G	50	-	17960-MNS	17460-MNS	50	Available on request is the color version. Please contact CEMBRE.		
H	17960-H	17460-H	50	~	17960-AC	17460-AC	50	<div style="background-color: black; color: white; padding: 5px; border-radius: 10px; display: inline-block;">RETROFIT? INDISPENSABLE!</div>		
I	17960-I	17460-I	50	/	17960-STK	17460-STK	50			
J	17960-J	17460-J	50	.	17960-DOT	17460-DOT	50			
K	17960-K	17460-K	50	⊥	17960-GND	17460-GND	50			
L	17960-L	17460-L	50	:	17960-CLN	17460-CLN	50			



Directly on cable.



# SM-17

## Snap on cable markers

alphanumeric

Loose cable markers.



**Material:** POM – Acetylic Resin dimensionally stable to +106°C, nondegradable and nondeformable to -40°C, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 8,5 ÷ 11,5 mm**

**C.s.a range 25 ÷ 35 mm<sup>2</sup>**

**POM** **HF** **-40°C** **+106°C**



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	17970-0	17470-0	50	M	17970-M	17470-M	50	0	17070-0	50	
1	17970-1	17470-1	50	N	17970-N	17470-N	50		17070-	50	
2	17970-2	17470-2	50	O	17970-O	17470-O	50	1	17170-1	50	
3	17970-3	17470-3	50	P	17970-P	17470-P	50		17170-	50	
4	17970-4	17470-4	50	Q	17970-Q	17470-Q	50	2	17270-2	50	
5	17970-5	17470-5	50	R	17970-R	17470-R	50		17270-	50	
6	17970-6	17470-6	50	S	17970-S	17470-S	50	3	17370-3	50	
7	17970-7	17470-7	50	T	17970-T	17470-T	50		17370-	50	
8	17970-8	17470-8	50	U	17970-U	17470-U	50	5	17570-5	50	
9	17970-9	17470-9	50	V	17970-V	17470-V	50		17570-	50	
A	17970-A	17470-A	50	W	17970-W	17470-W	50	6	17670-6	50	
B	17970-B	17470-B	50	X	17970-X	17470-X	50		17670-	50	
C	17970-C	17470-C	50	Y	17970-Y	17470-Y	50	7	17770-7	50	
D	17970-D	17470-D	50	Z	17970-Z	17470-Z	50		17770-	50	
E	17970-E	17470-E	50		17970-	17470-	50	8	17870-8	50	
F	17970-F	17470-F	50	+	17970-PLS	17470-PLS	50		17870-	50	
G	17970-G	17470-G	50	-	17970-MNS	17470-MNS	50				
H	17970-H	17470-H	50	~	17970-AC	17470-AC	50				
I	17970-I	17470-I	50	/	17970-STK	17470-STK	50				
J	17970-J	17470-J	50	.	17970-DOT	17470-DOT	50				
K	17970-K	17470-K	50	⊥	17970-GND	17470-GND	50				
L	17970-L	17470-L	50	:	17970-CLN	17470-CLN	50				

Available on request is the color version. Please contact CEMBRE.

**RETROFIT? INDISPENSABILE!**



Directly on cable.

applicator STM-17 990104..... page 120



# SM-21

## Snap on cable markers

alphanumeric

Loose cable markers.

**Material:** POM – Acetylic Resin dimensionally stable to **+106°C**, nondegradable and nondeformable to **-40°C**, Halogen Free.

Resistant to Oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

**Cable ext. Ø range 11 ÷ 15 mm**

**C.s.a range 35 ÷ 70 mm<sup>2</sup>**



**POM** **HF** **40°C** **+** **106°C**



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	17980-0	17480-0	50	F	17980-F	17480-F	50	U	17980-U	17480-U	50
1	17980-1	17480-1	50	G	17980-G	17480-G	50	V	17980-V	17480-V	50
2	17980-2	17480-2	50	H	17980-H	17480-H	50	W	17980-W	17480-W	50
3	17980-3	17480-3	50	I	17980-I	17480-I	50	X	17980-X	17480-X	50
4	17980-4	17480-4	50	J	17980-J	17480-J	50	Y	17980-Y	17480-Y	50
5	17980-5	17480-5	50	K	17980-K	17480-K	50	Z	17980-Z	17480-Z	50
6	17980-6	17480-6	50	L	17980-L	17480-L	50		17980-	17480-	50
7	17980-7	17480-7	50	M	17980-M	17480-M	50	+	17980-PLS	17480-PLS	50
8	17980-8	17480-8	50	N	17980-N	17480-N	50	-	17980-MNS	17480-MNS	50
9	17980-9	17480-9	50	O	17980-O	17480-O	50	~	17980-AC	17480-AC	50
A	17980-A	17480-A	50	P	17980-P	17480-P	50	/	17980-STK	17480-STK	50
B	17980-B	17480-B	50	Q	17980-Q	17480-Q	50	.	17980-DOT	17480-DOT	50
C	17980-C	17480-C	50	R	17980-R	17480-R	50	⏏	17980-GND	17480-GND	50
D	17980-D	17480-D	50	S	17980-S	17480-S	50	:	17980-CLN	17480-CLN	50
E	17980-E	17480-E	50	T	17980-T	17480-T	50				

RETROFIT? INDISPENSABLE!



Directly on cable.

applicator STM-21 990105..... page 120



# SM-24

## Snap on cable markers

alphanumeric

Loose cable markers.



**Material:** POM – Acetylic Resin dimensionally stable to +106°C, nondegradable and nondeformable to -40°C, Halogen Free.

Resistant to oil, Grease, Chemical and Atmospheric Agents, Detergents, Oxalic Acids, Alkaline Solutions and Organic and Inorganic Chemical Substances. High elasticity combined with high rigidity, for optimal grip on the conductor.

Cable ext. Ø range 15 ÷ 19 mm

C.s.a range 70 ÷ 120 mm<sup>2</sup>

**POM** **HF** **-40°C** **+106°C**



Printed	Type		Quantity bag	Printed	Type		Quantity bag	Printed	Type		Quantity bag
	white	yellow			white	yellow			white	yellow	
0	17990-0	17490-0	50	F	17990-F	17490-F	50	U	17990-U	17490-U	50
1	17990-1	17490-1	50	G	17990-G	17490-G	50	V	17990-V	17490-V	50
2	17990-2	17490-2	50	H	17990-H	17490-H	50	W	17990-W	17490-W	50
3	17990-3	17490-3	50	I	17990-I	17490-I	50	X	17990-X	17490-X	50
4	17990-4	17490-4	50	J	17990-J	17490-J	50	Y	17990-Y	17490-Y	50
5	17990-5	17490-5	50	K	17990-K	17490-K	50	Z	17990-Z	17490-Z	50
6	17990-6	17490-6	50	L	17990-L	17490-L	50		17990-	17490-	50
7	17990-7	17490-7	50	M	17990-M	17490-M	50	+	17990-PLS	17490-PLS	50
8	17990-8	17490-8	50	N	17990-N	17490-N	50	-	17990-MNS	17490-MNS	50
9	17990-9	17490-9	50	O	17990-O	17490-O	50	~	17990-AC	17490-AC	50
A	17990-A	17490-A	50	P	17990-P	17490-P	50	/	17990-STK	17490-STK	50
B	17990-B	17490-B	50	Q	17990-Q	17490-Q	50	.	17990-DOT	17490-DOT	50
C	17990-C	17490-C	50	R	17990-R	17490-R	50	⊥	17990-GND	17490-GND	50
D	17990-D	17490-D	50	S	17990-S	17490-S	50	:	17990-CLN	17490-CLN	50
E	17990-E	17490-E	50	T	17990-T	17490-T	50				

**RETROFIT? INDISPENSABLE!**

## Applicators

for loose cable markers



Family	Type	For snap	Quantity
STM-15	990103	SM-15	1
STM-17	990104	SM-17	1
STM-21	990105	SM-21	1
STM-24	990106	SM-24	1



Directly on cable.

applicator STM-24 990106..... page 120



## Marking system accessories

Choose from the following accessories to complete, enhance or protect the printed media.

- transparent holders for cable tags,
- push button legend bases to fit the leading brands,
- cable ties,
- legend mounting rail,
- marker plate and legend strip covers

### TRANSPARENT HOLDERS FOR CABLE TAGS

Holders are pushed directly on to smaller diameter cables, tubing and pipe or fixed with cable ties to larger diameters.

Self adhesive versions may be affixed directly to equipment.

Some types and sizes are available in Halogen Free material.

### CABLE TIES

Tie on cable markers, holders and dog tags are firmly fixed, with CEMBRE G range cable ties, to larger diameter cables & pipes and diverse valves, tapping, etc.

### PUSH BUTTON & LEGEND BASES

Designed to fit all major brands, quick-fitting CEMBRE push button bases with printed legends, both enhance aesthetic qualities and allow transparent covers to be used to increase environmental protection.

### MARKER PLATE COVERS

Transparent Polycarbonate covers with pre-drilled fixing holes add extra protection to printed panel plates in aggressive environments.

### LEGEND MOUNTING RAIL AND COVERS

9 mm and 15 mm high legends are easily and quickly slotted in to rails for the identification of banks of product.

Rails may be cut and either drilled or stuck to suitable surfaces while optional transparent covers increase environmental protection where appropriate.

# ACCESSORIES



# PMF

## Transparent tag holders 4 mm

for serieFLAT cable tags 4 mm

PMF holders are specifically designed to accommodate a range of cable sizes.







**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C

plasticised  
PVC -40°C +80°C






	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Family	Length mm	Type	Quantity
	1,3 ÷ 2,2	0,25 ÷ 0,5	PMF-00	10	90000	8.000
				12	90010	7.000
				15	90020	6.000
				20	90040	4.000
				30	90070	2.000
				40	90090	2.500
	2 ÷ 3,7	0,5 ÷ 2,5	PMF-01	10	90100	6.000
				12	90110	5.000
				15	90120	4.000
				20	90140	3.000
				30	90170N	1.500
				40	90190N	500
				1.000	90180	25
	3,4 ÷ 4,3	2,5 ÷ 4	PMF-02	10	90200	4.000
				12	90210	4.000
				15	90220	3.000
				20	90240	2.000
				30	90270N	500
				40	90290N	500
	4 ÷ 6,3	4 ÷ 10	PMF-03	10	90300	3.000
				12	90310	2.000
				15	90320	2.000
				20	90340	1.000
				30	90370N	500
				40	90390N	500

# PMF



plasticised  
PVC - 40°C + 80°C



	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Family	Length mm	Type	Quantity
	6 ÷ 10	10 ÷ 25	PMF-04	10	90400	2.000
				12	90410	1.000
				15	90420	1.000
				20	90440N	1.000
				30	90470	500
				40	90490N	250
	9 ÷ 15	25 ÷ 70	PMF-05	10	90500	500
				12	90510	500
				15	90520N	500
				20	90540	250
				30	90570N	250
				40	90590	100
	14 ÷ 26	70 ÷ 240	PMF-06	10	90600	500
				12	90610	250
				15	90620	250
				20	90640N	200
				30	90670	100
				40	90690	100

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.  
Consult us for holders in other lengths.  
**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPMF..... page 14  
cable tags, 4 mm TPM-ROLL ..... page 66



# PMF-HF

## Transparent tag holders - Halogen Free

for serieFLAT cable tags 4 mm

PMF holders are specifically designed to accommodate a range of cable sizes.







**Material:** Copolymer EVA, self extinguishing to class HB: according to UL 94 Halogen Free

**Operating temperature range:** -40°C to +80°C

EVA HF -40°C +80°C



	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Family	Length mm	Type	Quantity
	1,3 ÷ 2,2	0,25 ÷ 0,5	PMF-00-HF	10	90000-HF	8.000
				12	90010-HF	7.000
				15	90020-HF	6.000
				20	90040-HF	4.000
	2 ÷ 3,7	0,5 ÷ 2,5	PMF-01-HF	10	90100-HF	6.000
				12	90110-HF	5.000
				15	90120-HF	4.000
				20	90140-HF	3.000
	3,4 ÷ 4,3	2,5 ÷ 4	PMF-02-HF	30	90170N-HF	1.500
				10	90200-HF	4.000
				12	90210-HF	4.000
				15	90220-HF	3.000
	4 ÷ 6,3	4 ÷ 10	PMF-03-HF	20	90240-HF	2.000
				30	90270N-HF	500
				10	90300-HF	3.000
				12	90310-HF	2.000
				15	90320-HF	2.000
				23	90340-HF	1.000
				30	90370N-HF	500

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPMF ..... page 14  
 cable tags, 4 mm TPM-ROLL ..... page 66



# PMF-AC

## Self adhesive transparent flat tag holders

for serie flat cable tags 4 mm

Self adhesive tag holders for surface mounting.



**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C

plasticised  
PVC -40°C +80°C



	Length mm	Type	Quantity
	10	6600N	5.000
	12	6601N	4.000
	15	6602N	4.000
	20	6604N	3.000
	30	6607N	2.000
	40	6609N	1.000

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



flat cable tags, 4 mm MG-TPMF ..... page 14  
flat cable tags, 4 mm TPM-ROLL ..... page 66



# PMF-ET

## Transparent flat tag holders tie-on

for serie flat cable tags 4 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.



**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C

plasticised  
PVC 40°C 80°C



	Length mm	Type	For tags mm	Tie: N° x width mm	Quantity
	15	<b>63020</b>	4 x 15	1 x 6 mm	2.000
	20	<b>63040N</b>	4 x 20	1 x 6 mm	2.000
	30	<b>63070</b>	4 x 30	1 x 6 mm	1.000
	40	<b>63090</b>	4 x 40	2 x 6 mm	500
	20	<b>64040</b>	9 x 20	1 x 6 mm	1.000
	35	<b>64050</b>	9 x 35	2 x 6 mm	500
	17	<b>65000</b>	15 x 17	1 x 6 mm	500
	27	<b>65010</b>	15 x 27	1 x 6 mm	500
	49	<b>65020</b>	15 x 49	2 x 6 mm	250
	67	<b>65030</b>	15 x 67	2 x 6 mm	250

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



flat cable tags, 4 mm MG-TPMF ..... page 14  
 flat cable tags, 4 mm TPM-ROLL ..... page 66  
 flat cable tags, 9 mm MG-TAP ..... page 29  
 flat cable tags, 9 mm TAP-ROLL ..... page 72

flat cable tags, 15 mm MG-TAPW ..... page 32  
 flat cable tags, 15 mm TAR-ROLL ..... page 67  
 cable ties ..... page 135



# PMT-AC

## Self adhesive transparent legend holders 9 & 15 mm

for cable tags 9 & 15 mm



Self adhesive for surface mounting of 9 & 15 mm legends.



**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C



	Length mm	Type	For tags mm	Quantity
	20	59042N	9	500
	35	59050N	9	500
	1.000	59070N	9	10
	17	59002N	15	500
	27	59010N	15	1.000
	49	59020N	15	500
	67	59030N	15	250
	1.000	59060N	15	10

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 15 mm MG-TAP ..... page 29  
 cable tags, 15 mm TAP-ROLL ..... page 72

cable tags, 9 mm MG-TAPW ..... page 32  
 cable tags, 9 mm TAR-ROLL ..... page 67



# PMT-CT

Transparent legend holders tie-on 9 mm

for cable tags 9 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.



**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C

plasticised  
PVC -40°C +80°C



	Family	Length mm	Type	For tags mm	Tie: N° x width mm	Quantity
	PMT-CT	40	54015	9	2 x 4,8 mm	500
		55	54013	9	2 x 4,8 mm	500
		90	54014	9	2 x 4,8 mm	250

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 9 mm MG-TAPW ..... page 32  
 cable tags, 9 mm TAR-ROLL ..... page 67  
 cable ties ..... page 135



## PM

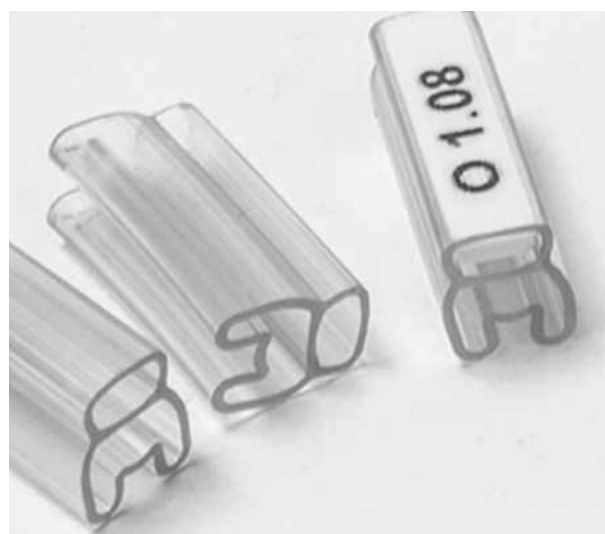
## Transparent tag holders 4 mm




for cable tags 4 mm

PM holders are profiled to allow each type to accommodate a range of cable sizes.

**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C



	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Family	Length mm	Type	Quantity
	1,3 ÷ 2,2	0,25 ÷ 0,5	PM-00	10	50000	8.000
				12	50010	7.000
				15	50020	6.000
				18	50032	1.000
				21	50042	1.000
				23	50052	1.000
				27	50062	1.000
				1.000	50080	10
	2 ÷ 3,7	0,5 ÷ 2,5	PM-01	10	50100	6.000
				12	50110	5.000
				15	50120	4.000
				18	50130	3.000
				21	50140	3.000
				23	50150	2.000
				27	50160	2.000
				30	50170	1.000
				1.000	50180	10
	3,4 ÷ 4,3	2,5 ÷ 4	PM-02	10	50200	4.000
				12	50210	4.000
				15	50220	3.000
				18	50230	2.000
				21	50240	2.000
				23	50250	2.000
				27	50260	1.000
				30	50270	1.000
				1.000	50280	10



Cable ext. Ø range mm	Cable c.s.a range mm <sup>2</sup>	Family	Length mm	Type	Quantity
4 ÷ 6,3	4 ÷ 10	PM-03	10	50300	3.000
			12	50310	2.000
			15	50320	2.000
			18	50330	1.000
			21	50340	1.000
			23	50350	1.000
			27	50360	1.000
			30	50370	500
			1.000	50380	10
6 ÷ 10	10 ÷ 25	PM-04	10	50400	2.000
			12	50410	1.000
			15	50420	1.000
			18	50430	1.000
			21	50440	500
			23	50450	500
			27	50460	500
			30	50470	500
			1.000	50480	10
9 ÷ 15	25 ÷ 70	PM-05	10	50500N	1.000
			12	50510N	1.000
			15	50521N	500
			18	50530	250
			21	50540	250
			23	50550	250
			27	50560	250
			30	50570	250
			1.000	50580	10
14 ÷ 26	70 ÷ 240	PM-06	10	50600	500
			12	50610N	500
			15	50620N	500
			18	50630	250
			21	50640	100
			23	50650	100
			27	50660	100
			30	50670	100
			1.000	50680	10

# PM-HF

## Transparent tag holders - Halogen Free

for cable tags 4 mm

PMF holders are specifically designed to accommodate pairs of appropriately sized cables.



**Material:** Copolymer EVA, self extinguishing to class HB according to UL 94 Halogen Free

**Operating temperature range:** -40°C to +80°C

**EVA** **HF** **40°C** **+** **80°C**



	Cable ext.Ø range mm	Cable c.s.a range mm <sup>2</sup>	Family	Length mm	Type	Quantity
	1,3 ÷ 2,2	0,25 ÷ 0,5	PM-00-HF	10	50002N-HF	6.000
				12	50012N-HF	5.000
				15	50022N-HF	4.000
	2 ÷ 3,7	0,5 ÷ 2,5	PM-01-HF	10	50102N-HF	4.000
				12	50112N-HF	4.000
				15	50122N-HF	4.000
	3,4 ÷ 4,3	2,5 ÷ 4	PM-02-HF	10	50202N-HF	3.000
				12	50212N-HF	3.000
				15	50222N-HF	3.000
	4 ÷ 6,3	4 ÷ 10	PM-03-HF	10	50302N-HF	2.000
				12	50312N-HF	1.000
				15	50322N-HF	1.000
				23	50350-HF	1.000
				30	50370-HF	500

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.  
Consult us for holders in other lengths.  
**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPM..... page 15  
markers PMP-30..... page 96



# PM-AC

## Self adhesive transparent tag holders

for cable tags 4 mm

Self adhesive tag holders for surface mounting.



**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C

plasticised  
PVC -40°C +80°C



	Length mm	Type	Quantity
	10	5100N	5.000
	12	5101N	4.000
	15	5102N	4.000
	18	5103N	3.000
	21	5104N	2.000
	23	5105N	2.000
	27	5106N	2.000
	30	5107N	2.000
	1.000	5108N	10

It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

Consult us for holders in other lengths.

**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPM..... page 15



# PM-ET

## Transparent tag holders tie-on

for cable tags 4 mm

Tie on (tie width max 6 mm) for longitudinal mounting on cables, hoses, tubes and conduit.



**Material:** plasticised PVC, self extinguishing to class V0 according to UL94, free of Cadmium, Lead, Silicon and Teflon. Resistant to Alkali, Alcohol, Acid and many Solvents.

**Operating temperature range:** -40°C to +80°C



Length mm	Type	Tie: N° x width mm	Quantity
12	53010	1 x 6 mm	2.000
15	53020	1 x 6 mm	2.000
18	53030N	1 x 6 mm	2.000
21	53040N	1 x 6 mm	2.000
23	53050	1 x 6 mm	1.000
27	53060	1 x 6 mm	1.000
30	53070	1 x 6 mm	1.000
40	53090	2 x 6 mm	500



It is advisable to select the holder size based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.  
Consult us for holders in other lengths.  
**Use holders only with designated cable tags of the same length.**



cable tags, 4 mm MG-TPM..... page 15  
cable ties..... page 135



# KMC

## Holders

for electrical cables and fibre optic

KMC holders are suitable to facilitate the wrap around of the labels KM-ROLL and MG-KMP for identifying small diameter fibre optic cable.

Made from soft PVC they are the ideal accessory to enclose the fibre optic cable, following its natural conformation without damaging its structure, thanks to flexible internal securing fins.

The longitudinal slot allows application of the KMC holder onto the cable even when wiring is completed, facilitating easy maintenance.



**Material:** PVC plasticised, Self extinguishing class V0 according to UL94

**Operating temperature range:** -30°C to +80°C



Family	Cable ext. Ø range mm	Type white	Diameter mm	Length mm	Quantity
KMC	1 ÷ 4	KMC 1-26	4,5	26	1.000/100
	4 ÷ 6	KMC 4-26	6,5		1.000/100

## RETROFIT? INDISPENSABLE!



INSERT



FIX



WRAP



Directly on cables, etc in accordance with rapping diameter limitations shown for each size.

wraparound MG-KMP ..... pag. 20  
wraparound KM-ROLL ..... pag. 68



## Polyamide PA6.6 Cable ties

Ideal for securing tie-on tags, labels and holders to electrical wiring, pipes and conduit. Black ties have a higher UV resistance due to increased Carbon black loading. G series ties offer rapid installation due to the low friction coefficient of the material and have an angled tongue to facilitate easy introduction into the buckle. Rounded corners for increased safety.

**Material:** PA6.6 Polyamide, self extinguishing class V2 according to UL 94

**Humidity absorption:** 2.5% (at 50% relative humidity). Resistant to Oils, Bases, Greases, Oil products, chlorinated Solvents.

**Operating temperature range:**

-40°C to +85°C (continuous)

-40°C to +120°C (short periods)

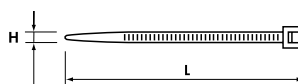


PA6.6 **-40°C** **+85°C**



Length mm	Height mm	Type		Ø max. bundle mm	Min. loop tensile strength kg	Minimum order pcs.	Quantity
		natural	black				
80	2,4	G80X2.4	G80X2.4N	15	8	1.000	100
80	2,4	G80X2.4/M	G80X2.4N/M	15	8	1.000	1.000
90	2,4	G90X2.4	G90X2.4N	16	8	1.000	100
100	2,5	G100X2.5	G100X2.5N	22	8	1.000	100
100	2,5	G100X2.5/M	G100X2.5N/M	22	8	1.000	1.000
120	2,5	G120X2.5	G120X2.5N	30	8	1.000	100
140	2,5	G140X2.5	G140X2.5N	33	8	1.000	100
140	2,5	G140X2.5/M	G140X2.5N/M	33	8	1.000	1.000
160	2,5	G160X2.5	G160X2.5N	40	8	1.000	100
160	2,5	G160X2.5/M	G160X2.5N/M	40	8	1.000	1.000
200	2,5	G200X2.5	G200X2.5N	53	8	1.000	100
200	2,5	G200X2.5/M	G200X2.5N/M	53	8	1.000	1.000
250	2,8	G250X2.8	G250X2.8N	65	14	1.000	100
300	2,8	G300X2.8	G300X2.8N	76	14	1.000	100
120	3,6	G120X3.6	G120X3.6N	30	18	1.000	100
140	3,6	G140X3.6	G140X3.6N	33	18	1.000	100
140	3,6	G140X3.6/M	G140X3.6N/M	33	18	1.000	1.000
150	3,6	G150X3.6	G150X3.6N	35	18	1.000	100
180	3,6	G180X3.6	G180X3.6N	44	18	1.000	100
200	3,6	G200X3.6	G200X3.6N	53	18	1.000	100
200	3,6	G200X3.6/M	G200X3.6N/M	53	18	1.000	1.000
250	3,6	G250X3.6	G250X3.6N	65	18	1.000	100
300	3,6	G300X3.6	G300X3.6N	76	18	1.000	100
300	3,6	G300X3.6/M	G300X3.6N/M	76	18	1.000	1.000
370	3,6	G370X3.6	G370X3.6N	102	18	1.000	100
120	4,8	G120X4.8	G120X4.8N	24	22	1.000	100
160	4,8	G160X4.8	G160X4.8N	38	22	1.000	100

## SERIE G



PA6.6 **-** 40°C **+** 85°C



Length mm	Height mm	Type		Ø max. bundle mm	Min. loop tensile strength kg	Minimum order pcs.	Quantity
		natural	black				
190	4,8	G190X4.8	G190X4.8N	46	22	1.000	100
190	4,8	G190X4.8/M	G190X4.8N/M	46	22	1.000	1.000
200	4,8	G200X4.8	G200X4.8N	50	22	1.000	100
200	4,8	G200X4.8/M	G200X4.8N/M	50	22	1.000	1.000
250	4,8	G250X4.8/M	G250X4.8N/M	60	22	1.000	1.000
250	4,8	G250X4.8	G250X4.8N	60	22	100	100
280	4,8	G280X4.8	G280X4.8N	70	22	100	100
300	4,8	G300X4.8	G300X4.8N	76	22	100	100
370	4,8	G370X4.8	G370X4.8N	102	22	100	100
390	4,8	G390X4.8	G390X4.8N	105	22	100	100
430	4,8	G430X4.8	G430X4.8N	110	22	100	100
450	4,8	G450X4.8	G450X4.8N	116	22	100	100
530	4,8	G530X4.8	G530X4.8N	140	22	100	100
150	7,6	G150X7.6	G150X7.6N	33	55	100	100
200	7,6	G200X7.6	G200X7.6N	50	55	100	100
250	7,6	G250X7.6	G250X7.6N	65	55	100	100
300	7,6	G300X7.6	G300X7.6N	76	55	100	100
370	7,6	G370X7.6	G370X7.6N	102	55	100	100
430	7,6	G430X7.6	G430X7.6N	125	55	100	100
530	7,6	G530X7.6	G530X7.6N	140	55	100	100
430	9	G430X9.0	G430X9.0N	110	80	100	100
530	9	G530X9.0	G530X9.0N	140	80	100	100
710	9	G710X9.0	G710X9.0N	190	80	100	100
780	9	G780X9.0	G780X9.0N	228	80	100	100
830	9	G830X9.0	G830X9.0N	239	80	100	100
920	9	G920X9.0	G920X9.0N	263	80	100	100
1020	9	G1020X9.0	G1020X9.0N	295	80	100	100
1220	9	G1220X9.0	G1220X9.0N	365	80	100	100
230	12,6	G230X12.6	G230X12.6N	50	115	100	100
380	12,6	G380X12.6		106	115	100	100
480	12,6	G480X12.6	G480X12.6N	120	115	100	100
580	12,6	G580X12.6	G580X12.6N	152	115	100	100
730	12,6	G730X12.6	G730X12.6N	204	115	100	100
880	12,6	G880X12.6	G880X12.6N	248	115	100	100
1030	12,6	G1030X12.6	G1030X12.6N	295	115	100	100



Check max tie width (dimension H) for the tag or holder used.  
 cable&conduit tags MG-ETF ..... page 18  
 dog tags MG-DOG ..... page 34  
 cable&conduit tags ETF-ROLL ..... page 70

cable&conduit tags MS-ETF ..... page 105  
 transparent flat tag holders, 4 mm ..... page 126  
 transparent legend holders, 15 & 9 mm ..... page 128  
 transparent tag holders, 4 mm ..... page 133



# SERIE GFH

## Polyamide PA6.6 Cable ties

Ideal for securing tie on tags, labels and holders to electrical wiring, pipes and conduit. Black ties have a higher UV resistance due to increased Carbon black loading. G series ties offer rapid installation due to the low friction coefficient of the material and have an angled tongue to facilitate easy introduction into the buckle. Rounded corners for increased safety. Quick and easy identification of bundled conductors. May also be marked with MG-VYT adhesive PVC film labels.

**Material:** PA6.6 Polyamide, self extinguishing class V2 according to UL 94

**Humidity absorption:** 2.5% (at 50% relative humidity)  
Resistant to Oils, Bases, Greases, Oil products, chlorinated Solvents.

**Operating temperature range:**

- 40°C to +85°C (continuous)
- 40°C to +120°C (short periods)



**PA6.6** **-40°C** **+85°C**



Length mm	Height mm	Type natural	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
100	2,5	GFH100X2.5	18	8,1	100
112	2,5	GFHT112X2.5	18	8,1	100

## Installation tools

for Plastic cable ties



**5313022048** **5523036090**



Type	Description	Length mm	Weight kg	Cable tie width mm	Quantity
<b>5313022048</b>	automatic cutting	165	0,2	2.2 to 4.8	1
<b>5523036090</b>	manual cutting	195	0,3	4.8 to 9	1

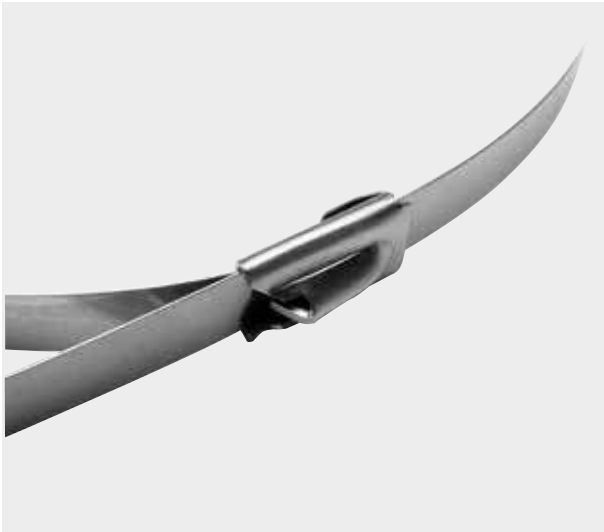


Check max tie width (dimension H) for the tag or holder used. Directly on suitable surface.

Labels MG-VYT 8x21 & 9x20 mm ..... page 38

# SERIE GX

## Stainless Steel AISI 304 cable ties



Unique ball locking mechanism that allows simple and rapid installation and secure locking.

High tensile strength.

Non flammability.

**Material:** Stainless Steel AISI 304

High resistance to Acetic Acid, Alkalise, Sulphuric Acid, Corrosion, etc. In general very resistant to most hostile environments.

**Operating temperature range:** -80°C to +500°C

Stainless Steel  
**AISI** - 80°C + 500°C



Length mm	Height mm	Type	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
200	4,5	GX200X4.5	50	46	100
300		GX300X4.5	76	46	100
370		GX370X4.5	102	46	100
520		GX520X4.5	156	46	100
370	7,9	GX370X7.9	102	114	100
680		GX680X7.9	207	114	100
1020		GX1020X7.9	312	114	100



## 5527030079

Installation tool for Stainless Steel cable ties.  
 Type 5527030079  
 Width up to 7,9 mm  
 With cutting device  
 Weight: 0,56 kg  
 Length: 180 mm



Check max tie width (dimension H) for the tag or holder used.

Aluminium plates GMC-AL ..... page 81  
 Stainless Steel tie-on tags SMP ..... page 90



## SERIE GXAC

## Insulated Stainless Steel INOX AISI 316 cable ties

## Polyester coated

STAINLESS STEEL AISI 316 cable ties for the most corrosive environments, coated with Polyester for better outdoor use. Smooth surface and rounded edges to ensure cable protection and user safety.

Equipped with an original ball-type closing mechanism that allows an easy and fast installation and prevents re-opening.

High resistance to acetic and sulfuric acids, to alkaline products and resistant to corrosion in the most adverse environments.

High tensile strength. Non flammability.



**Material:** AISI 316 Stainless steel, Polyester coated

**Operating temperature range:** -40°C to +150°C



Length mm	Width mm	Type	Ø max. bundle mm	Min. loop tensile strength kg	Quantity
125	4,6	GXAC125X4.6	38,0	46	100
150		GXAC150X4.6	46,0		100
200		GXAC200X4.6	61,9		100
260		GXAC260X4.6	81,0		100
290		GXAC290X4.6	90,6		100
360		GXAC360X4.6	112,8		100
520		GXAC520X4.6	163,8		100
680		GXAC680X4.6	214,8		100
840		GXAC840X4.6	265,7		100
200		7,9	GXAC200X7.9		
290	GXAC290X7.9			100	
360	GXAC360X7.9			100	
520	GXAC520X7.9			100	
680	GXAC680X7.9			100	
840	GXAC840X7.9			100	



Aluminium mounting plates GMC-AL ..... page 81  
Stainless Steel tie-on tags SMP ..... page 90



# PTP

## Push button legend bases

for Ø 22,5 & 24 mm manual operators

PTP black push button legend bases to fit a wide range of popular brands.

All types have a hole behind the legend for rivet fixing, while PTP...A types are adhesive backed.

All types suit MG-TAP 15x27 mm legends and can be fitted with a transparent legend cover TAP-CCS 990521 or MG-TAP-HF 990510.



**Material:** Polycarbonate, self extinguishing class V0 according to UL 94

**Operating temperature range:**

-40°C to +115°C (continuous)

-40°C to +130°C (short periods)

PC 40°C 115°C



	Family	Self-adhesive	rivet fixing	Size mm	Type		Ø bottom	Size of printed plate and protection mm	Application	Quantity
					PC black	NEW blue MD				
	PTPS-22		✓	48 x 30	34002	34062-MD	22,5	15 x 27		100
	PTPSA-22	✓		48 x 30	34602	34662-MD	22,5	15 x 27		100
	PTPS-24		✓	48 x 30	68002		24	15 x 27	Schneider Electric	100
	PTPSA-24	✓		48 x 30	68602		24	15 x 27	Schneider Electric	100
	PTPO-22		✓	48 x 30	34802		22,5	15 x 27		100
	PTPOA-22	✓		48 x 30	34902		22,5	15 x 27		100
	PTPR-22		✓	48 x 30	34102		22,5	15 x 27		100
	PTPRA-22	✓		48 x 30	34702		22,5	15 x 27		100



SELF ADHESIVE



RIVET FIXING

NEW

**Material:** PC/ABS, self extinguishing class HB according to UL 94

**Operating temperature range:** -40°C to +130°C



legends 15x27 mm MG-TAP ..... page 29  
 cable ties ..... page 135  
 cover TAP-CCS..... page 142



PL

Legend bases

for general purpose applications

PLR legend bases may be fixed to flat surfaces by rivet or in some sizes, by cable tie to tubes, conduits, etc.

PLA versions are self adhesive. TAP-CCS transparent covers may be fitted to protect the legends.



**Material:** Polycarbonate, self extinguishing class V0 according to UL 94

**Operating temperature range:**

-40°C to +115°C (continuous)

-40°C to +130°C (short periods)

PC - 40°C + 115°C

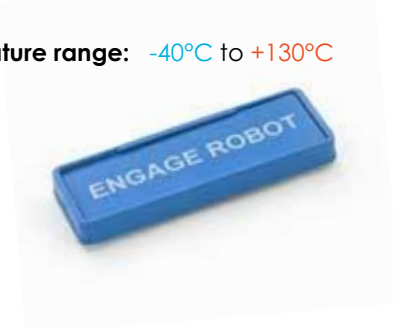


Family	self-adhesive	rivet fixing	Size mm	Type		Hole spacing mm	For MG-TAP size mm	Quantity
				black	<span style="background-color: #0070C0; color: white; padding: 2px;">NEW</span> blue MD			
PLR		✓	17 x 20	34202	34362-MD		15 x 17	100
		✓	17 x 30	34302	34462-MD		15 x 27	100
		✓	17 x 52	34402	34502	41	15 x 49	100
		✓	17 x 70	34502		51	15 x 67	100
PLA	✓		17 x 20	35002N			15 x 17	100
	✓		17 x 30	35102N	35162-MD		15 x 27	100
	✓		17 x 52	35202N	35262-MD	41	15 x 49	100
	✓		17 x 70	35302N		51	15 x 67	100

NEW

**Material:** PC/ABS, self extinguishing class HB according to UL 94

**Operating temperature range:** -40°C to +130°C



SELF ADHESIVE



RIVET FIXING



legends, 15 mm MG-TAP ..... page 29  
 cable ties ..... page 135  
 covers TAP-CCS ..... page 142



# TAP-CCS

## Transparent covers

For fitting over MG-TAP legends in bases PL and PTP to optimise protection and improve life expectancy.



**Material:** Polycarbonate, self extinguishing class V0 according to UL 94

**Operating temperature range:**

-40°C to +115°C (continuous)

-40°C to +130°C (short periods)

PC -40°C +115°C



Size mm	Type	Quantity
15 x 17	990520	100
15 x 27	990521	100
15 x 49	990522	100
15 x 67	990523	100



push button legend bases PTP..... page 140  
 legend bases PL..... page 141  
 legends rails RT..... page 144

# CPT

## Transparent covers

for panel plates

For fitting over MG-VRT plates to optimise protection and improve life expectancy.



**Material:** Polycarbonate, self extinguishing class V0 according to UL 94

**Operating temperature range:**

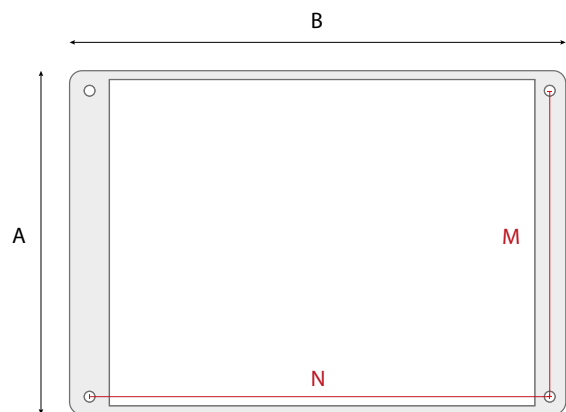
-40°C to +115°C (continuous)

-40°C to +130°C (short periods)

PC - 40°C + 115°C

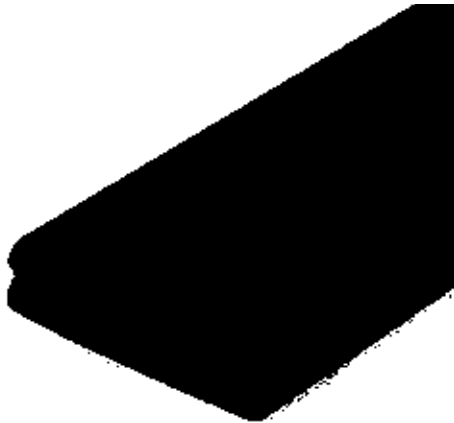


Size AxB mm	Thickness mm	Type	Ø holes mm	Holes spacing mm		Panel plate size mm	Quantity
				M	N		
37 x 79	4,2	<b>47590</b>	3	27	69	32 x 58	200/10
47 x 98	4,2	<b>47591</b>	3	37	89	42 x 78	120/10
57 x 127	4,2	<b>47592</b>	3	47	117	52 x 107	80/10
65 x 120	4,2	<b>47596</b>	3	55	110	60 x 100	10
67 x 109	4,2	<b>47594</b>	3	57	99	62 x 88	80/10
97 x 140	4,2	<b>47593</b>	3	87	129	92 x 118	40/10
108 x 160	4,2	<b>47595</b>	3	97	149	102 x 138	40/10



# RT-TAP

## Legend rail, 15 mm



Legend rails provide an alternative to direct marking on components.

**Material:** Rigid dielectric high impact PVC.

Lead free, self extinguishing class V0 according to UL 94, resistant to Acid, Alcohol, Solvents.

Non-deformable up to +90°C

**Application temperature range:** +10°C to +40°C



PVC +90°C



Family	self-adhesive	pre-drilled	Length mm	Type		Quantity
				black	grey	
RTR-TAP		✓	430	990454	990452	25
		✓	650	990664	990662	25
		✓	1.000	990524	990502	25
RTA-TAP	✓		430	990455N	990453N	25
	✓		650	990665N	990663N	25
	✓		1.000	990525N	990503N	25

## Transparent protective covers, 15 mm



Family	Length mm	Type	Quantity
RT-CCP	430	990456	25
	650	990666	25
	1.000	990504	25

## Transparent protective strip, 15 mm



Family	Length mm	Type	Quantity
RT-CCPS	430	990457	25
	650	990667	25
	1.000	990735	25



legends, 15 mm MG-TAP ..... page 29  
 modular legends MG-17.5-R ..... page 45

legends, 15 mm TAR-ROLL ..... page 67  
 modular legend strips STRIP-ROLL ..... page 74



# RT-TAPW

## Legend rail, 9 mm

Legend rails provide an alternative to direct marking on components.

**Material:** Rigid dielectric high impact PVC.

Lead free, self extinguishing class V0 according to UL 94, resistant to Acid, Alcohol, Solvents.

Non-deformable up to +90°C

**Application temperature range:** +10°C to +40°C



Family	self-adhesive	pre-drilled	Length mm	Type		Quantity
				black	grey	
RTR-TAPW		✓	430	990654	990652	25
		✓	650	990794	990792	25
		✓	1.000	990526	990505	25
RTA-TAPW	✓		430	990655N	990653N	25
	✓		650	990795N	990793N	25
	✓		1.000	990527N	990506N	25

## Transparent protective covers, 9 mm

Family	Length mm	Type	Quantity
RT-CCW	430	990656	25
	650	990796	25
	1.000	990507	25



## Transparent protective strip, 9 mm

Family	Length mm	Type	Quantity
RT-CCWS	430	990657	25
	650	990797	25
	1.000	990734	25



legends, 9 mm MG-TAPW..... page 32  
legends, 9 mm TAR-ROLL..... page 67



# TPD

## Document holder

*adhesive and rivet fixing*

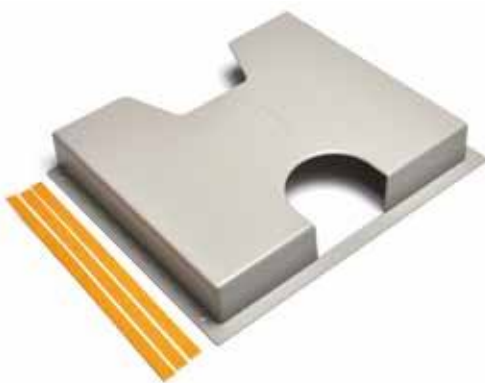
TPD document holder provides a convenient means of filing wiring schemes, operating manuals, etc in electrical panels or equipment.



**Material:** Anti-shock Polystyrene

PS

Size AxL.mm	Depth mm	Type	Sheet size	Quantity
193 x 175	20	420180	A5	5
235 x 280	40	420280	A4	5



Directly on panel



## Signs

A wide range of self adhesive signs, in various types and formats, for comprehensive signing of all potentially hazardous situations in factories, workshops and industrial premises.

### SYMBOL SHAPE INDICATES MEANING



TRIANGLE

Warning, Attention



CIRCLE

Prohibition, Mandatory



SQUARE & RECTANGULAR



Information and Supplementary

### Signs with text

Consist of WS, PS or MS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs.

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

Texts can be supplied in different languages:

English (- GB), French (- F), German (- D), Spanish (- E) and other.

English French German Spanish other language

### Storage

Also available in package quantity BULK.



# SIGNSTICKONSYS



# WS

## Warning signs

Polyester film, Halogen free, on sheet

Consist of WS symbols supplemented by information in text form WST, or text only signs which can be used in combination with symbol only signs. Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.



**Material:** Polyester film over-laminated with transparent film resistant to UV, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -40°C to +130°C

PET HF 40°C 130°C



Family	Size mm	Type	Labels per sheet	Quantity
WS-AD	Generic hazard			UNI EN ISO 7010 ISO 3864 - UNI 7543
	12,5	200000	64	320
		200000-BULK	323	1.615
	25	200001	24	240
		200001-BULK	120	1.200
	50	200002	10	50
		200002-BULK	30	900
	100	200003	2	10
		200003-BULK	6	300
	150	200004	2	10
	200	200005	1	5
300	200006	1	1	
WST-LDY	DANGER! Mechanical devices moving			UNI 7543 - ISO 3864
	105 x 210	2557AD017-GB	1	3
WST-LAY	WARNING! Automatic start			UNI 7543 - ISO 3864
	120 x 200	2658AD021-GB	1	3
WST-OAY	WARNING! Remote controlled machine			ISO 3864
	200 x 200	1307AD030-GB	1	1
WST-TSW	DANGER			UNI 7543 - ISO 3864
	50	0400AD035-GB	5	25
WST-LAY	WARNING! DANGER			UNI 7543 - ISO 3864
	37 x 74	2653AD035-GB	3	15
	65 x 131	2655AD035-GB	1	10

Family	Size mm	Type	Labels per sheet	Quantity
WS-HT	Electricity			UNI EN ISO 7010 ISO 3864 - UNI 7543
	12,5	200100	64	320
		200100-BULK	323	1.615
	25	200101	24	240
		200101-BULK	120	1.200
	50	200102	10	50
		200102-BULK	30	900
	100	200103	2	10
		200103-BULK	6	450
	150	200104	2	10
	200	200105	1	5
300	200106	1	1	
WST-OTY	5.5 V			ISO 3864
	50 x 100	1101HT003-GB	2	10
WST-TSW	12 V			
	50	0400HT005	5	25
WST-LSY	12 V			UNI 7543 - ISO 3864
	26 x 52	2451HT005	5	25
	37 x 74	2453HT005	3	15
	52 x 105	2454HT005	2	10
WST-TSW	24 V			
	50	0400HT006	5	25
	100	0401HT006	2	10
	200	0403HT006	1	3
WST-LSY	24 V			UNI 7543 - ISO 3864
	26 x 52	2451HT006	5	25

other language on request

# WS



Family	Size mm	Type	Labels per sheet	Quantity
WST-LAY	WARNING! 24 V			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT006-GB</b>	3	15
WST-OTY	24 V			ISO 3864
	25 x 50	<b>1100HT006</b>	5	25
	50 x 100	<b>1101HT006</b>	2	10
24 V	15 x 80	<b>1110HT006</b>	5	25
	30 x 100	<b>1111HT006</b>	2	10
	40 x 150	<b>1112HT006</b>	2	10
WST-TSW	110 V			UNI 7543 - ISO 3864
	50	<b>0400HT008</b>	5	25
		<b>0400HT008-BULK</b>	25	750
	100	<b>0401HT008</b>	2	10
WST-OTY	110 V			ISO 3864
	25 x 50	<b>1100HT008</b>	5	25
	15 x 80	<b>1110HT008</b>	5	25
110 V	30 x 100	<b>1111HT008</b>	2	10
	40 x 150	<b>1112HT008</b>	2	10
WST-LAY	WARNING! 115 V			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT009-GB</b>	3	15
WST-OTY	115 V			ISO 3864
	25 x 50	<b>1100HT009</b>	5	25
115 V	50 x 100	<b>1101HT009</b>	2	10
WST-TSW	230 V			
	50	<b>0400HT012</b>	5	25
		<b>0400HT012-BULK</b>	25	750
	100	<b>0401HT012</b>	2	10
	150	<b>0402HT012</b>	1	5
WST-TDW	DANGER! 230 V			
	50	<b>0500HT012-GB</b>	5	25
WST-TAW	WARNING! 230 V			
	50	<b>0600HT012-GB</b>	5	25
WST-LSY	230 V			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT012</b>	7	35
	26 x 52	<b>2451HT012</b>	5	25
	37 x 74	<b>2453HT012</b>	3	15
	52 x 105	<b>2454HT012</b>	2	10
WST-LDY	DANGER! 230 V			UNI 7543 - ISO 3864
	37 x 74	<b>2553HT012-GB</b>	3	15

Family	Size mm	Type	Labels per sheet	Quantity
WST-LAY	WARNING! 230 V			UNI 7543 - ISO 3864
	18 x 37	<b>2650HT012-GB</b>	7	35
	32 x 65	<b>2652HT012-GB</b>	4	20
	37 x 74	<b>2653HT012-GB</b>	3	15
	52 x 106	<b>2654HT012-GB</b>	2	10
WST-PSY	230 V			UNI 7543 - ISO 3864
	46 x 32	<b>3450HT012</b>	1	20
WST-PDY	DANGER! 230 V			UNI 7543 - ISO 3864
	52 x 37	<b>3551HT012-GB</b>	3	15
	92 x 65	<b>3553HT012-GB</b>	1	10
WST-OTY	230 V			ISO 3864
	25 x 50	<b>1100HT012</b>	5	25
	50 x 100	<b>1101HT012</b>	2	10
230 V	15 x 80	<b>1110HT012</b>	5	25
	30 x 100	<b>1111HT012</b>	2	10
	40 x 150	<b>1112HT012</b>	2	10
WST-TSW	240 V			
	50	<b>0400HT013</b>	5	25
	100	<b>0401HT013</b>	1	10
WST-LSY	240 V			UNI 7543 - ISO 3864
	32 x 65	<b>2452HT013</b>	4	20
WST-TSW	400 V			
	50	<b>0400HT015</b>	5	25
		<b>0400HT015-BULK</b>	25	750
	100	<b>0401HT015</b>	2	10
	150	<b>0402HT015</b>	1	5
	200	<b>0403HT015</b>	1	3
WST-TDW	DANGER! 400 V			
	50	<b>0500HT015-GB</b>	5	25
WST-LSY	400 V			UNI 7543 - ISO 3864
	26 x 52	<b>2451HT015</b>	5	25
	32 x 65	<b>2452HT015</b>	4	20
	37 x 74	<b>2453HT015</b>	3	15
	52 x 105	<b>2454HT015</b>	2	10
	65 x 131	<b>2455HT015</b>	2	10
	120 x 200	<b>2458HT015</b>	1	3
WST-LDY	DANGER! 400 V			UNI 7543 - ISO 3864
	37 x 74	<b>2553HT015-GB</b>	3	15



Family	Size mm	Type	Labels per sheet	Quantity
WST-LAY	WARNING! 400 V			UNI 7543 - ISO 3864
	32 x 65	<b>2652HT015-GB</b>	4	20
	37 x 74	<b>2653HT015-GB</b>	3	15
	52 x 105	<b>2654HT015-GB</b>	2	10
WST-PSY	400 V			UNI 7543 - ISO 3864
	46 x 32	<b>3450HT015</b>	1	25
	52 x 37	<b>3451HT015</b>	3	15
	105 x 74	<b>3454HT015</b>	1	10
	148 x 105	<b>3455HT015</b>	1	5
WST-PDY	DANGER! 400 V			UNI 7543 - ISO 3864
	52 x 37	<b>3551HT015-GB</b>	3	15
	92 x 65	<b>3553HT015-GB</b>	1	10
	148 x 105	<b>3555HT015-GB</b>	1	5
	297 x 210	<b>3558HT015-GB</b>	1	2
WST-OTY	400 V			ISO 3864
400 V	25 x 50	<b>1100HT015</b>	5	25
	50 x 100	<b>1101HT015</b>	3	10
	15 x 80	<b>1110HT015</b>	5	25
	30 x 100	<b>1111HT015</b>	2	10
	40 x 150	<b>1112HT015</b>	2	10
	440 V			
	50	<b>0400HT016</b>	5	25
	100	<b>0401HT016</b>	2	10
	WST-LSY	440 V		UNI 7543 - ISO 3864
	52 x 105	<b>2454HT016</b>	1	10
WST-LAY	WARNING! 440 V			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT016-GB</b>	3	15
	65 x 131	<b>2655HT016-GB</b>	1	10
WST-OTY	440 V			ISO 3864
440 V	25 x 50	<b>1100HT016</b>	5	25
WST-TSW	500 V			
	50	<b>0400HT017</b>	5	25
	100	<b>0401HT017</b>	2	10
	150	<b>0402HT017</b>	1	5
WST-LSY	500 V			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT017</b>	7	35
WST-LAY	WARNING! 500 V			UNI 7543 - ISO 3864
	52 x 105	<b>2654HT017-GB</b>	1	10
WST-PSY	500 V			UNI 7543 - ISO 3864
	148 x 105	<b>3455HT017</b>	1	5

Family	Size mm	Type	Labels per sheet	Quantity
WST-OTY	600 V			ISO 3864
600 V	25 x 50	<b>1100HT018</b>	5	25
WST-PDY	DANGER! 3,000 V			UNI 7543 - ISO 3864
	371 x 262	<b>3559HT019-GB</b>	1	1
WST-OTY	3,000 V			ISO 3864
3,000 V	25 x 50	<b>1100HT019-GB</b>	5	25
WST-TSW	5,000 V			
	200	<b>0403HT020-GB</b>	1	3
WST-TSW	20,000 V			
	100	<b>0401HT021-GB</b>	2	10
WST-LSY	20,000 V			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT021-GB</b>	2	10
	105 x 210	<b>2457HT021-GB</b>	1	3
WST-LAY	WARNING! 20,000 V			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT021-GB</b>	3	15
	52 x 105	<b>2654HT021-GB</b>	2	10
	120 x 200	<b>2658HT021-GB</b>	1	3
WST-PDY	DANGER! 20,000 V			UNI 7543 - ISO 3864
	148 x 105	<b>3555HT021-GB</b>	1	5
	297 x 210	<b>3558HT021-GB</b>	1	2
WST-PDY	DANGER! Risk of electrocution			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT023-GB</b>	1	2
WST-TSW	High voltage			UNI 7543 - ISO 3864
	50	<b>0400HT024-GB</b>	5	25
	100	<b>0401HT024-GB</b>	2	10
	150	<b>0403HT024-GB</b>	1	3
WST-LSY	High voltage			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT024-GB</b>	2	10
WST-LAY	WARNING! High voltage			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT024-GB</b>	3	15
	65 x 131	<b>2655HT024-GB</b>	1	10
WST-TSW	High voltage, danger of death			
	150	<b>0402HT025-GB</b>	1	5
WST-LSY	High voltage, danger of death			UNI 7543 - ISO 3864
	150 x 300	<b>2460HT025-GB</b>	1	3

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Family	Size mm	Type	Labels per sheet	Quantity
WST-PDY	DANGER! High voltage, danger of death			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT025-GB</b>	1	2
WST-LSY	Low voltage			UNI 7543 - ISO 3864
	26 x 52	<b>2451HT026-GB</b>	5	25
	37 x 74	<b>2453HT026-GB</b>	3	15
WST-TSW	Danger of death			
	50	<b>0400HT027-GB</b>	5	25
WST-TSW	Danger of electrocution			
	150	<b>0402HT028-GB</b>	1	5
WST-LSY	Danger of electrocution			UNI 7543 - ISO 3864
	120 x 200	<b>2458HT028-GB</b>	1	3
WST-LDY	DANGER! Danger of electrocution			UNI 7543 - ISO 3864
	120 x 200	<b>2558HT028-GB</b>	1	3
WST-LAY	WARNING! Live panel			UNI 7543 - ISO 3864
	52 x 105	<b>2654HT032-GB</b>	2	10
	120 x 200	<b>2658HT032-GB</b>	1	3
WST-LDY	DANGER! Live panel			UNI 7543 - ISO 3864
	120 x 200	<b>2558HT032-GB</b>	1	3
WST-LAY	WARNING! Live panel			UNI 7543 - ISO 3864
	52 x 105	<b>2654HT032-GB</b>	1	10
WST-PDY	DANGER! Live panel			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT032-GB</b>	1	2
WST-OTY	Live panel			ISO 3864
	50 x 100	<b>1101HT032-GB</b>	2	10
	100 x 200	<b>1102HT032-GB</b>	1	3
WST-LDY	DANGER! Live installation			UNI 7543 - ISO 3864
	52 x 105	<b>2554HT034-GB</b>	1	10
WST-LDY	DANGER! Return voltage			UNI 7543 - ISO 3864
	18 x 37	<b>2550HT035-GB</b>	7	35
WST-TSW	Equipment remains live even when switched off			
	50	<b>0400HT039-GB</b>	5	25
WST-TAW	WARNING! Equipment remains live even when switched off			
	50	<b>0600HT039-GB</b>	5	25

Family	Size mm	Type	Labels per sheet	Quantity
WST-LSY	Equipment remains live even when switched off			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT039-GB</b>	7	35
	26 x 52	<b>2451HT039-GB</b>	5	25
	37 x 74	<b>2453HT039-GB</b>	3	15
	52 x 105	<b>2454HT039-GB</b>	2	10
WST-LAY	WARNING! Equipment remains live even when switched off			UNI 7543 - ISO 3864
	26 x 52	<b>2651HT039-GB</b>	5	25
	32 x 65	<b>2652HT039-GB</b>	4	20
	37 x 74	<b>2653HT039-GB</b>	3	15
	52 x 105	<b>2654HT039-GB</b>	1	10
	65 x 131	<b>2655HT039-GB</b>	1	10
WST-LSY	Safety limit			UNI 7543 - ISO 3864
	26 x 52	<b>2451HT040-GB</b>	5	25
WST-LAY	WARNING! Safety limit			UNI 7543 - ISO 3864
	26 x 52	<b>2651HT040-GB</b>	5	25
WST-TSW	Testing in progress			
	200	<b>0403HT043-GB</b>	1	3
WST-TSW	Electrical cables			
	100	<b>0401HT044-GB</b>	1	10
WST-LAY	WARNING! Electrical cables			UNI 7543 - ISO 3864
	105 x 210	<b>2657HT044-GB</b>	1	3
WST-LSY	Main switch			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT046-GB</b>	1	10
WST-OTY	Main switch			ISO 3864
	150 x 300	<b>1103HT046-GB</b>	1	1
WST-TSW	Electrical substation			
	100	<b>0401HT049-GB</b>	1	10
WST-PDY	DANGER! Electrical substation			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT049-GB</b>	1	2
WST-TSW	Always live			UNI 7543 - ISO 3864
	50	<b>0400HT051-GB</b>	5	25
WST-LSY	Always live			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT051-GB</b>	2	10
WST-LDY	DANGER! Always live			UNI 7543 - ISO 3864
	32 x 65	<b>2552HT051-GB</b>	4	20



Family	Size mm	Type	Labels per sheet	Quantity
WST-LAY	WARNING! Always live			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT051-GB</b>	3	15
	52 x 105	<b>2654HT051-GB</b>	1	10
	65 x 131	<b>2655HT051-GB</b>	1	10
WST-OTY	Always live			ISO 3864
Always live	25 x 50	<b>1100HT051-GB</b>	5	25
WST-OAY	WARNING! Always live			ISO 3864
WARNING! Always live	25 x 50	<b>1300HT051-GB</b>	5	25
WST-LSY	Switch power off before opening the door			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT052-GB</b>	2	10
	65 x 131	<b>2455HT052-GB</b>	2	10
WST-LDY	DANGER! Switch power off before opening the door			UNI 7543 - ISO 3864
	37 x 74	<b>2553HT052-GB</b>	3	15
WST-LAY	WARNING! Switch power off before opening the door			UNI 7543 - ISO 3864
	65 x 131	<b>2655HT052-I-GB</b>	1	10
	WARNING! Switch power off before opening the door			UNI 7543 - ISO 3864
	26 x 52	<b>2651HT052</b>	5	25
	37 x 74	<b>2653HT052-GB</b>	3	15
		<b>2653HT052-GB-BULK</b>	34	1.020
	52 x 105	<b>2654HT052-GB</b>	1	10
	65 x 131	<b>2655HT052-GB</b>	1	10
	74 x 148	<b>2656HT052-GB</b>	1	5
105 x 210	<b>2657HT052-GB</b>	1	3	
WST-OAY	WARNING! Switch power off before opening the door			ISO 3864
WARNING! Switch power off before opening the door	25 x 50	<b>1300HT052-GB</b>	5	25
	50 x 100	<b>1301HT052-GB</b>	2	10
WST-PDY	DANGER! Switch power off before opening the door			UNI 7543 - ISO 3864
	74 x 52	<b>3552HT052-GB</b>	2	10
	297 x 210	<b>3558HT052-GB</b>	1	2
WST-PAY	WARNING! Switch power off before opening the door			UNI 7543 - ISO 3864
	74 x 52	<b>3652HT052-GB</b>	2	10
WST-TSW	Switch power off before opening the panel			
	100	<b>0401HT053-GB</b>	2	10
WST-LSY	Switch power off before opening the panel			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT053-GB</b>	2	10
WST-LAY	WARNING! Switch power off before opening the panel			UNI 7543 - ISO 3864
	32 x 65	<b>2652HT053-GB</b>		20
	37 x 74	<b>2653HT053-GB</b>	3	15
	52 x 105	<b>2654HT053-GB</b>	1	10

Family	Size mm	Type	Labels per sheet	Quantity
WST-PDY	DANGER! Switch power off before opening the panel			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT053-GB</b>	1	2
WST-LSY	Rotate switch before opening the panel			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT054-GB</b>	2	10
WST-LAY	WARNING! Rotate switch before opening the panel			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT054-GB</b>	3	15
WST-LSY	Switch off, voltage present			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT055-GB</b>	2	10
WST-LAY	WARNING! Switch off, voltage present			UNI 7543 - ISO 3864
	32 x 65	<b>2652HT055-GB</b>	4	20
WST-TSW	Electrical discharges			UNI 7543 - ISO 3864
	50	<b>0400HT056-GB</b>	5	25
WST-LAY	WARNING! Electrical discharges			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT056-GB</b>	3	15
	65 x 131	<b>2655HT056-GB</b>	1	10
WST-TSW	High-voltage underground cables			
	200	<b>0403HT059-GB</b>	1	3
WST-PDY	DANGER! High-voltage underground cables			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT059-GB</b>	1	2
WST-TSW	Equipment remains live even when door is open			
	50	<b>0400HT061-GB</b>	5	25
WST-LSY	Equipment remains live even when door is open			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT061-GB</b>	7	35
	52 x 105	<b>2454HT061-GB</b>	2	10
WST-LDY	DANGER! Equipment remains live even when door is open			UNI 7543 - ISO 3864
	52 x 105	<b>2554HT061-GB</b>	1	10
	65 x 131	<b>2555HT061-GB</b>	1	10
WST-LAY	WARNING! Equipment remains live even when door is open			UNI 7543 - ISO 3864
	18 x 37	<b>2650HT061-GB</b>	7	35
		<b>2653HT061-GB</b>	3	15
	37 x 74	<b>2653HT061-IT-GB</b>	3	15
		<b>2654HT061-GB</b>	1	10
65 x 131	<b>2655HT061-GB</b>	1	10	
WST-PDY	DANGER! Equipment remains live even when door is open			UNI 7543 - ISO 3864
	92 x 65	<b>3553HT061-GB</b>	1	10
	148 x 105	<b>3555HT061-GB</b>	1	5

















other language on request












Family	Size mm	Type	Labels per sheet	Quantity
WST-OAY	WARNING! Equipment remains live even when door is open			ISO 3864
<b>WARNING!</b> Equipment remains live even when door is open	25 x 50	<b>1300HT061-GB</b>	5	25
	50 x 100	<b>1301HT061-GB</b>	2	10
WST-TSW	Switch off power before removing panel			
	100	<b>0401HT062-GB</b>	2	10
WST-LSY	Switch off power before removing panel			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT062-GB</b>	7	35
	37 x 74	<b>2453HT062-GB</b>	3	15
	52 x 105	<b>2454HT062-GB</b>	2	10
WST-LDY	DANGER! Switch off power before removing panel			UNI 7543 - ISO 3864
	37 x 74	<b>2553HT062-GB</b>	3	15
WST-LAY	WARNING! Switch off power before removing panel			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT062-GB</b>	3	15
	52 x 105	<b>2654HT062-GB</b>	1	10
	74 x 148	<b>2656HT062-GB</b>	1	5
WST-PDY	DANGER! Switch off power before removing panel			UNI 7543 - ISO 3864
	297 x 210	<b>3558HT062-GB</b>	1	2
WST-TSW	DANGER			UNI 7543 - ISO 3864
	50	<b>0400HT066-GB</b>	5	25
WST-LSY	DANGER!			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT067-GB</b>		10
WST-LSY	WARNING!			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT071-GB</b>	2	10
WST-LAY	WARNING! Switch off power before removing cover			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT072-GB</b>	3	15
	65 x 131	<b>2655HT072-GB</b>	1	10
WST-TSW	Switch off power before removing cover			
	50	<b>0400HT072-GB</b>	5	25
WST-LSY	Wait 1 minute before touching electrical parts			UNI 7543 - ISO 3864
	52 x 105	<b>2454HT073-GB</b>		10
WST-TSW	400 V AC			
	50	<b>0400HT075</b>	5	25
WST-LAY	WARNING! 400 V AC			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT075-GB</b>	3	15

Family	Size mm	Type	Labels per sheet	Quantity
WST-LSY	24 V AC			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT078</b>	7	35
WST-OTY	High voltage Warning! Danger of death			ISO 3864
	50 x 100	<b>1101HT079-GB</b>	2	10
WST-LSY	Switch off power before removing guard			UNI 7543 - ISO 3864
	18 x 37	<b>2450HT081-GB</b>	7	35
	37 x 74	<b>2453HT081-GB</b>	3	15
WST-LDY	DANGER! Switch off power before removing guard			UNI 7543 - ISO 3864
	37 x 74	<b>2553HT081-GB</b>	3	15
WST-LAY	WARNING! Switch off power before removing guard			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT081-GB</b>	3	15
	52 x 105	<b>2654HT081-GB</b>	1	10
	65 x 131	<b>2655HT081-GB</b>	1	10
WST-LAY	WARNING! Set the main switch to zero before working on the pump			UNI 7543 - ISO 3864
	65 x 131	<b>2655HT083-GB</b>	1	10
WST-LAY	WARNING! 380 V + N			UNI 7543 - ISO 3864
	65 x 131	<b>2655HT084-GB</b>	1	10
WST-TSW	415 V			
	50	<b>0400HT085</b>	5	25
WST-TSW	Turning off the general power supply means no safety for maintenance purposes			
	50	<b>0400HT093-GB</b>	5	25
	100	<b>0401HT093-GB</b>	2	10
WST-TSW	480 V / 24 V			
	100	<b>0401HT094</b>	2	10
WST-LAY	WARNING! 480 V / 24 V			UNI 7543 - ISO 3864
	52 x 105	<b>2654HT094-GB</b>	1	10
WST-TSW	400 V / 24 V			
	100	<b>0401HT095</b>	2	10
WST-LAY	WARNING! Only electricians can perform operations or internal repairs			UNI 7543 - ISO 3864
	37 x 74	<b>2653HT097-GB</b>	3	15
WST-TSW	600 V / 24 V			
	100	<b>0401HT098</b>	2	10



Family	Size mm	Type	Labels per sheet	Quantity
WST-TSW	440 V / 24 V			
	100	<b>0401HT103</b>	2	10
WST-TSW	230 V / 24 V			
	100	<b>0401HT104</b>	2	10
WST-TSW	690 V			
	50	<b>0400HT105</b>	5	25
WST-LAY	WARNING! The electrical panel is housed in several lines			UNI 7543 - ISO 3864
	65 x 131	<b>2655HT106-GB</b>	1	10
WST-LAY	WARNING! Voltage also present when master switch is turned off			UNI 7543 - ISO 3864
	26 x 52	<b>2651HT108-D-GB-F</b>	5	25
WST-TSW	Put equipment under tension			
	50	<b>0400HT111-GB</b>	5	25
WST-LAY	WARNING! Dual power board			UNI 7543 - ISO 3864
	52 x 105	<b>2654HT112-GB</b>	1	10
WST-TSW	215 V			
	50	<b>0400HT113</b>	5	25
WST-TSW	750 V			
	50	<b>0400HT122</b>	5	25
WST-OTY	Switch power off before opening the fuse holder			ISO 3864
	50 x 100	<b>1101HT128-GB</b>	2	10
WST-LAY	WARNING! Under tension when the main switch is off			
	26 x 52	<b>2651HT131-GB</b>	5	25
WST-OTY	WARNING! HIGH CONTACT CURRENT. GROUNDING CONNECTION IS ESSENTIAL BEFORE CONNECTING TO THE POWER SUPPLY			ISO 3864
	65 x 100	<b>1118HT135-GB</b>	1	10
WST-TSW	Do not open while energised			
	50	<b>0400HT149-GB</b>	5	25
WST-OTY	Danger - electricity these links must be closed when the cable is in service			ISO 3864
	30 x 100	<b>1111HT150-GB</b>	2	10

Family	Size mm	Type	Labels per sheet	Quantity
WST-LSY	ALTA TENSIONE HIGH VOLTAGE HAUTE TENSION STARKSTROM			UNI 7543 - ISO 3864
	74 x 148	<b>2456HT151-I-GB-F-D</b>	1	5
WST-OTY	WARNING! These links must be closed with a torque value of 50 Nm			ISO 3864
	30 x 100	<b>1111HT154-GB</b>	2	10
WS-BA	<b>Batteries</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200201</b>	24	240
	50	<b>200202</b>	10	50
	100	<b>200203</b>	2	10
	150	<b>200204</b>	1	10
	200	<b>200205</b>	1	5
	300	<b>200206</b>	1	1
WST-LSY	Dangerous acids			UNI 7543 - ISO 3864
	37 x 74	<b>2453BA004-GB</b>	3	15
	65 x 131	<b>2455BA004-GB</b>	1	10
WS-EX	<b>Explosive atmosphere</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200301</b>	24	240
	50	<b>200302</b>	10	50
	100	<b>200303</b>	2	10
	150	<b>200304</b>	1	10
	200	<b>200305</b>	1	5
	300	<b>200306</b>	1	1
WST-LSY	Explosive atmosphere			UNI 7543 - ISO 3864
	37 x 74	<b>2453EX001-GB</b>	3	15
	65 x 131	<b>2455EX001-GB</b>	1	10
WS-FM	<b>Flammable materials</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200801</b>	24	240
	50	<b>200802</b>	10	50
	100	<b>200803</b>	2	10
	150	<b>200804</b>	1	10
	200	<b>200805</b>	1	5
	300	<b>200806</b>	1	1
WST-PDY	DANGER! Flammable materials			UNI 7543 - ISO 3864
	297 x 210	<b>3558FM002-GB</b>	1	2
WS-CA	<b>Combustible materials</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200901</b>	24	240
	50	<b>200902</b>	10	50
	100	<b>200903</b>	2	10
	150	<b>200904</b>	1	10
	200	<b>200905</b>	1	5
	300	<b>200906</b>	1	1

# WS

GB English F French D German E Spanish ... other language

other language on request











PET HF 40°C 130°C













Family	Size mm	Type	Labels per sheet	Quantity
<b>WS-EM</b>	<b>Explosive materials</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201001</b>	24	240
	50	<b>201002</b>	10	50
	100	<b>201003</b>	2	10
	150	<b>201004</b>	1	10
	200	<b>201005</b>	1	5
	300	<b>201006</b>	1	1
<b>WS-GT</b>	<b>Pressurised containers or cylinders</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>201102</b>	10	50
	100	<b>201103</b>	2	10
	150	<b>201104</b>	1	10
	200	<b>201105</b>	1	5
	300	<b>201106</b>	1	1
<b>WS-CM</b>	<b>Corrosive substances</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200501</b>	24	240
	50	<b>200502</b>	10	50
	100	<b>200503</b>	2	10
	150	<b>200504</b>	1	10
	200	<b>200505</b>	1	5
	300	<b>200506</b>	1	1
<b>WS-HM</b>	<b>Toxic, harmful or irritant substances</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	12,5	<b>200600</b>	64	320
	25	<b>200601</b>	24	240
	50	<b>200602</b>	10	50
	100	<b>200603</b>	2	10
	150	<b>200604</b>	1	10
	200	<b>200605</b>	1	5
	300	<b>200606</b>	1	1
<b>WS-MF</b>	<b>Magnetic field</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201401</b>	24	240
	50	<b>201402</b>	10	50
	100	<b>201403</b>	2	10
	150	<b>201404</b>	1	10
	200	<b>201405</b>	1	5
	300	<b>201406</b>	1	1
<b>WST-PSY</b>	Magnetic field			UNI 7543 - ISO 3864
	297 x 210	<b>3458MF001-GB</b>	1	2
<b>WST-PAY</b>	WARNING! Magnetic field			UNI 7543 - ISO 3864
	297 x 210	<b>3658MF001-GB</b>	1	2
<b>WS-EF</b>	<b>Non-ionising radiation</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>201502</b>	10	50
	100	<b>201503</b>	2	10
	150	<b>201504</b>	1	10
	200	<b>201505</b>	1	5
	300	<b>201506</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
<b>WS-HN</b>	<b>High noise</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201901</b>	24	240
	50	<b>201902</b>	10	50
	100	<b>201903</b>	2	10
	150	<b>201904</b>	1	10
	200	<b>201905</b>	1	5
	300	<b>201906</b>	1	1
	<b>WST-TAW</b>	WARNING! Zone with noise level above 85 dB(A)		
	100	<b>0601HN015-GB</b>	2	10
	150	<b>0602HN015-GB</b>	1	5
<b>WS-IC</b>	<b>Low temperature</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201301</b>	24	240
	50	<b>201302</b>	10	50
	100	<b>201303</b>	2	10
	150	<b>201304</b>	1	10
	200	<b>201305</b>	1	5
	300	<b>201306</b>	1	1
<b>WS-HS</b>	<b>High temperature</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	12,5	<b>201200</b>	64	320
		<b>201200-BULK</b>	323	1.615
	25	<b>201201</b>	24	240
		<b>201201-BULK</b>	120	1.200
	50	<b>201202</b>	10	50
		<b>201202-BULK</b>	30	900
	100	<b>201203</b>	2	10
		<b>201203-BULK</b>	6	450
	150	<b>201204</b>	1	10
	200	<b>201205</b>	1	5
	300	<b>201206</b>	1	1
	<b>WST-TSW</b>	High temperature		
	50	<b>0400HS001-GB</b>	5	25
<b>WST-LSY</b>	High temperature			UNI 7543 - ISO 3864
	37 x 74	<b>2453HS001-GB</b>	3	15
	65 x 131	<b>2455HS001-GB</b>	1	10
<b>WST-LDY</b>	DANGER! High temperature			UNI 7543 - ISO 3864
	37 x 74	<b>2558HS001-GB</b>	3	15
<b>WST-LAY</b>	WARNING! High temperature			UNI 7543 - ISO 3864
	52 x 105	<b>2654HS001-GB</b>	3	15
<b>WST-TAW</b>	WARNING! High temperature			
	50	<b>0600HS001-GB</b>	5	25
	100	<b>0601HS001-GB</b>	2	10



Family	Size mm	Type	Labels per sheet	Quantity
<b>WST-LSY</b>	Electrical heating resistances			UNI 7543 - ISO 3864
	65 x 131	<b>2455HS003-GB</b>	1	10
<b>WST-LAY</b>	WARNING! Electrical heating resistances			UNI 7543 - ISO 3864
	52 x 105	<b>2654HS003-GB</b>	3	15
<b>WST-LSY</b>	High temperature zone			UNI 7543 - ISO 3864
	52 x 105	<b>2454HS004-GB</b>	1	10
<b>WST-TSW</b>	High temperature zone			
	150	<b>0402HS004-GB</b>	1	5
<b>WST-TSW</b>	Danger of scalding			
	100	<b>0401HS008-GB</b>	2	10
<b>WS-LD</b>	Danger of death			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200401</b>	24	240
	50	<b>200402</b>	10	50
	100	<b>200403</b>	2	10
	150	<b>200404</b>	1	10
	200	<b>200405</b>	1	5
	300	<b>200406</b>	1	1
<b>WS-RM</b>	Radiations			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201601</b>	24	240
	50	<b>201602</b>	10	50
	100	<b>201603</b>	2	10
	150	<b>201604</b>	1	10
	200	<b>201605</b>	1	5
	300	<b>201606</b>	1	1
<b>WS-MS</b>	Moving stairlift			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201701</b>	24	240
	50	<b>201702</b>	10	50
	100	<b>201703</b>	2	10
	150	<b>201704</b>	1	10
	200	<b>201705</b>	1	5
	300	<b>201706</b>	1	1
<b>WS-BH</b>	Biological risk			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>200701</b>	24	240
	50	<b>200702</b>	10	50
	100	<b>200703</b>	2	10
	150	<b>200704</b>	1	10
	200	<b>200705</b>	1	5
	300	<b>200706</b>	1	1
<b>WS-WR</b>	UV welding-radiations			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>202002</b>	10	50
	100	<b>202003</b>	2	10
	150	<b>202004</b>	1	10
	200	<b>202005</b>	1	5
	300	<b>202006</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
<b>WS-TC</b>	Splinter projection			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>202102</b>	10	50
	100	<b>202103</b>	2	10
	150	<b>202104</b>	1	10
	200	<b>202105</b>	1	5
	300	<b>202106</b>	1	1
<b>WS-MO</b>	Moving mechanical components			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>202501</b>	24	240
	50	<b>202502</b>	10	50
	100	<b>202503</b>	2	10
	150	<b>202504</b>	1	10
	200	<b>202505</b>	1	5
	300	<b>202506</b>	1	1
<b>WST-TSW</b>	Moving mechanical parts			
	50	<b>0400M0001-GB</b>	5	25
	100	<b>0401M0001-GB</b>	2	10
<b>WST-TAW</b>	WARNING! Moving mechanical parts			
	50	<b>0600M0001-GB</b>	5	25
<b>WST-LSY</b>	Moving mechanical parts			UNI 7543 - ISO 3864
	52 x 105	<b>2454M0001-GB</b>	1	10
	65 x 131	<b>2455M0001-GB</b>	1	10
<b>WST-LAY</b>	WARNING! Moving mechanical parts			UNI 7543 - ISO 3864
	52 x 105	<b>2654M0001-GB</b>	1	10
	120 x 200	<b>2658M0001-GB</b>	1	3
<b>WST-PDY</b>	DANGER! Moving mechanical parts			UNI 7543 - ISO 3864
	92 x 65	<b>3553M0001-GB</b>	1	10
	105 x 74	<b>3554M0001-GB</b>	1	5
<b>WST-PDY</b>	DANGER! Machine being tested, unprotected mechanical components or devices			UNI 7543 - ISO 3864
	297 x 210	<b>3558M0009-GB</b>	1	2
<b>WS-MM</b>	Moving cutter			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>202401</b>	24	240
	50	<b>202402</b>	10	50
	100	<b>202403</b>	2	10
	150	<b>202404</b>	1	10
	200	<b>202405</b>	1	5
	300	<b>202406</b>	1	1
<b>WS-RC</b>	Equipment with remote control			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>201801</b>	24	240
	50	<b>201802</b>	10	50
	100	<b>201803</b>	2	10
	150	<b>201804</b>	1	10
	200	<b>201805</b>	1	5
	300	<b>201806</b>	1	1

# WS

GB English F French D German E Spanish ... other language









other language on request




Family	Size mm	Type	Labels per sheet	Quantity
<b>WS-WH</b>	<b>Heated spray</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>202201</b>	24	240
	50	<b>202202</b>	10	50
	100	<b>202203</b>	2	10
	150	<b>202204</b>	1	10
	200	<b>202205</b>	1	5
	300	<b>202206</b>	1	1
<b>WS-AS</b>	<b>Automatic start</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>202302</b>	10	50
	100	<b>202303</b>	2	10
	150	<b>202304</b>	1	10
	200	<b>202305</b>	1	5
	300	<b>202306</b>	1	1
	<b>WST-LSY</b>	Automatic start		
	65 x 131	<b>2455AS001-GB</b>	1	10
<b>WST-TSW</b>	Starts without warning			
	100	<b>0401AS002-GB</b>	2	10
<b>WST-LAY</b>	WARNING! Machine starts automatically			UNI 7543 - ISO 3864
	120 x 200	<b>2658AS003-GB</b>	1	3
<b>WST-TSW</b>	WARNING!			
	100	<b>0401AS013-GB</b>	2	10
<b>WS-FG</b>	<b>Falling materials</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>202602</b>	10	50
	100	<b>202603</b>	2	10
	150	<b>202604</b>	1	10
	200	<b>202605</b>	1	5
	300	<b>202606</b>	1	1
	<b>WS-HL</b>	<b>Suspended loads</b>		
	50	<b>202702</b>	10	50
	100	<b>202703</b>	2	10
	150	<b>202704</b>	1	10
	200	<b>202705</b>	1	5
	300	<b>202706</b>	1	1
	<b>WST-LSY</b>	Suspended loads		
	120 x 200	<b>2458HL001-GB</b>	1	3
<b>WS-AF</b>	<b>Hole in the ground</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>203201</b>	24	240
	50	<b>203202</b>	10	50
	100	<b>203203</b>	2	10
	150	<b>203204</b>	1	10
	200	<b>203205</b>	1	5
	300	<b>203206</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
<b>WS-DF</b>	<b>Danger of falling</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>203301</b>	24	240
	50	<b>203302</b>	10	50
	100	<b>203303</b>	2	10
	150	<b>203304</b>	1	10
	200	<b>203305</b>	1	5
	300	<b>203306</b>	1	1
<b>WS-DO</b>	<b>Obstacles on ground</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>203401</b>	24	240
	50	<b>203402</b>	10	50
	100	<b>203403</b>	2	10
	150	<b>203404</b>	1	10
	200	<b>203405</b>	1	5
	300	<b>203406</b>	1	1
<b>WS-SD</b>	<b>Slippery surface</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>203501</b>	24	240
	50	<b>203502</b>	10	50
	100	<b>203503</b>	2	10
	150	<b>203504</b>	1	10
	200	<b>203505</b>	1	5
	300	<b>203506</b>	1	1
<b>WS-CH</b>	<b>Danger to hands</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	12,5	<b>202800</b>	64	320
		<b>202800-BULK</b>	323	1.615
	25	<b>202801</b>	24	240
		<b>202801-BULK</b>	120	1.200
	50	<b>202802</b>	10	50
		<b>202802-BULK</b>	30	900
	100	<b>202803</b>	2	10
		<b>202803-BULK</b>	6	450
	150	<b>202804</b>	1	10
		<b>202805</b>	1	5
	200	<b>202806</b>	1	1
		<b>202806</b>	1	1
<b>WST-LSY</b>	Danger to hands			UNI 7543 - ISO 3864
	65 x 131	<b>2455CH001-GB</b>	1	10
<b>WST-TSW</b>	Danger to hands			
	50	<b>0400CH001-GB</b>	5	25
	100	<b>0401CH001-GB</b>	2	10
	150	<b>0402CH001-GB</b>	1	5
<b>WST-PAY</b>	WARNING! Danger to hands			UNI 7543 - ISO 3864
	297 x 210	<b>3658CH001-GB</b>	1	2
<b>WST-TSW</b>	Danger of crushing			
	50	<b>0400CH003-GB</b>	5	25
	100	<b>0401CH003-GB</b>	2	10
<b>WS-MB</b>	<b>Danger of crushing</b>			
	50	<b>202902</b>	10	50
	100	<b>202903</b>	2	10
	150	<b>202904</b>	1	10
	200	<b>202905</b>	1	5
	300	<b>202906</b>	1	1
	<b>202906</b>	1	1	



Family	Size mm	Type	Labels per sheet	Quantity
WST-LSY	Danger of crushing			UNI 7543 - ISO 3864
	65 x 131	<b>2455MB001-GB</b>	1	10
WS-PA	Vehicles crossing			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>203601</b>	24	240
	50	<b>203602</b>	10	50
	100	<b>203603</b>	2	10
	150	<b>203604</b>	1	10
	200	<b>203605</b>	1	5
	300	<b>203606</b>	1	1
WS-VR	Mining car			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>203701</b>	24	240
	50	<b>203702</b>	10	50
	100	<b>203703</b>	2	10
	150	<b>203704</b>	1	10
	200	<b>203705</b>	1	5
	300	<b>203706</b>	1	1
WS-MC	Lift trucks			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>203102</b>	10	50
	100	<b>203103</b>	2	10
	150	<b>203104</b>	1	10
	200	<b>203105</b>	1	5
	300	<b>203106</b>	1	1
WS-MT	Danger of tipping			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>203002</b>	10	50
	100	<b>203003</b>	2	10
	150	<b>203004</b>	1	10
	200	<b>203005</b>	1	5
	300	<b>203006</b>	1	1
WS-DD	Danger of death			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>204702</b>	10	50
	100	<b>204703</b>	2	10
	150	<b>204704</b>	1	10
	200	<b>204705</b>	1	5
	300	<b>204706</b>	1	1
WS-OL	Optical light			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>204902</b>	10	50
	100	<b>204903</b>	2	10
	150	<b>204904</b>	1	10
	200	<b>204905</b>	1	5
	300	<b>204906</b>	1	1
WS-ST	Steam			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>204801</b>	24	240
	50	<b>204802</b>	10	50
	100	<b>204803</b>	2	10
	150	<b>204804</b>	1	10
	200	<b>204805</b>	1	5
	300	<b>204806</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
WS-BS	Boiling substance			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>205002</b>	10	50
	100	<b>205003</b>	2	10
	150	<b>205004</b>	1	10
	200	<b>205005</b>	1	5
	300	<b>205006</b>	1	1
WS-HK	Lifting hook			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>204602</b>	10	50
	100	<b>204603</b>	2	10
	150	<b>204604</b>	1	10
	200	<b>204605</b>	1	5
WS-PR	Automatic carrier			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>205102</b>	10	50
	100	<b>205103</b>	2	10
	150	<b>205104</b>	1	10
	200	<b>205105</b>	1	5
	300	<b>205106</b>	1	1
WS-LF	Lifting forks			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>204502</b>	10	50
	100	<b>204503</b>	2	10
	150	<b>204504</b>	1	10
	200	<b>204505</b>	1	5
WS-WD	Watchdog			UNI EN ISO 7010 ISO 3864 - UNI 7543
	100	<b>205203</b>	2	10
	150	<b>205204</b>	2	10
	200	<b>205205</b>	1	5
	300	<b>205206</b>	1	1
WS-RP	Danger of puncture			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>207901</b>	24	240
	100	<b>207903</b>	2	10
WS-LR	Laser			
	25	<b>203801</b>	24	240
	50	<b>203802</b>	10	50
	100	<b>203803</b>	2	10
	150	<b>203804</b>	1	10
	200	<b>203805</b>	1	5
	300	<b>203806</b>	1	1
WS-LB	Laser			UNI EN ISO 7010 ISO 3864 - UNI 7543
	12,5	<b>203900</b>	64	320
		<b>203900-BULK</b>	323	1.615
	25	<b>203901</b>	24	240
		<b>203901-BULK</b>	120	1.200
	50	<b>203902</b>	10	50
		<b>203902-BULK</b>	30	900
		<b>203903</b>	2	10
	100	<b>203903-BULK</b>	6	450

WS

GB English F French D German E Spanish ... other language

other language on request

PET HF 40°C 130°C











Family	Size mm	Type	Labels per sheet	Quantity
WS-HTP	<b>Electrical hazard</b>			
	37 x 18	204000	7	35
		204000-BULK	60	1.080
	52 x 26	204001	5	25
		204001-BULK	27	810
	74 x 37	204002	3	15
		204002-BULK	12	1.020
	105 x 52	204003	1	10
		204003-BULK	6	300
	148 x 74	204004	1	5
	200 x 120	204005	1	3
230 V				
	52 x 26	204101HT012	5	25
		204101HT012-BULK	27	810
	74 x 37	204102HT012	3	15
		204102HT012-BULK	12	1.020
	105 x 52	204103HT012	1	10
		204103HT012-BULK	6	300
400 V				
	52 x 26	204101HT015	5	25
		204101HT015-BULK	27	810
	74 x 37	204102HT015	3	15
		204102HT015-BULK	12	1.020
	105 x 52	204103HT015	1	10
		204103HT015-BULK	6	300
400 V AC				
	52 x 26	204101HT075	5	25
415 V				
	52 x 26	204101HT085	5	25

Family	Size mm	Type	Labels per sheet	Quantity	
WS-ESD	<b>Static electricity</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543	
	12,5	200000	64	320	
		200000-BULK	323	1.615	
	25	200001	24	240	
		200001-BULK	120	1.200	
	50	200002	10	50	
		200002-BULK	30	900	
	100	200003	2	10	
		200003-BULK	6	300	
	WST-ESDT	WARNING! Static electricity. Take appropriate precautions			
		26 x 52	3601ES001-GB	3	15
WST-ESDT	WARNING!				
	37 x 74	3600ES002-GB	5	25	
WSE	<b>Emergency - STOP</b>				
	60	204500	1	10	
		80	204501	1	10
	60	204500-GB	1	10	
		80	204501-GB	1	10
	60	204500-D	1	10	
		60	204500-F	1	10
	80	204501-F	1	10	
		60	204500-E	1	10
	80	204501-E	1	10	
		60	204500-P	1	10
	rigid PVC, no adhesive				
	60	204500VR	1	10	
		80	204501VR	1	10
	60	204500VR-GB	1	10	
		80	204501VR-GB	1	10
60	204500VR-D	1	10		
	60	204500VR-E	1	10	

LABELS

WS



Family	Size mm	Type	Labels per sheet	Quantity
WS-PV	<b>Solar power</b>			
WST-PSY	PV ARREY MODULE DANGER contains live parts during daylight			
	80 x 50	<b>3460PV009-GB</b>		90
WST-PSY	PV ARREY DC JUNCTION BOX DANGER contains live parts during daylight			
	80 x 50	<b>3460PV010-GB</b>		90
WST-PSY	PV SYSTEM Main AC isolator			
	80 x 50	<b>3460PV011-GB</b>		90
WST-PSY	PV ARREY DC ISOLATOR DANGER contains live parts during daylight			
	80 x 50	<b>3460PV012-GB</b>		90
WST-PSY	PV ARREY CABLE DANGER High Voltage DC live during daylight			
	80 x 50	<b>3460PV013-GB</b>		90
WST-LAY	WARNING! Live photovoltaic system during daytime 400 V DC			UNI 7543 - ISO 3864
	18 x 37	<b>2652HT123-GB</b>	7	35
WST-LAY	WARNING! Live photovoltaic system during daytime 600 V DC			UNI 7543 - ISO 3864
	18 x 37	<b>2652HT124-GB</b>	7	35
WST-LAY	WARNING! Live photovoltaic system during daytime 800 V DC			UNI 7543 - ISO 3864
	18 x 37	<b>2652HT125-GB</b>	7	35
	WARNING! Live photovoltaic system during daytime 1,000 V DC			UNI 7543 - ISO 3864
	18 x 37	<b>2652HT126-GB</b>	7	35

PS

Prohibition symbols

PVC film, on sheet

Consist of PS symbols supplemented by information in text form PST, or text only signs which can be used in combination with symbol only signs. Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

**Material:** Polyester film over-laminated with transparent film resistant to UV, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -40°C to +130°C



PET HF 40°C 130°C

RoHS COMPLIANT 2011/65/EU

Family	Size mm	Type	Labels per sheet	Quantity
PS-NS	No smoking			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	210000	15	150
	50	210001	3	30
	60	210002	3	30
	100	210003	2	10
	200	210004	1	5
	300	210005	1	1
PST-LSR	No smoking			ISO 3864 - UNI 7543
	150 x 300	4207NS001-GB	1	3
PST-PSW	No smoking			ISO 3864 - UNI 7543
	297 x 210	4307NS001-GB	1	2
PS-FL	Do not use open flames			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	210100	15	150
	50	210101	3	30
	60	210102	3	30
	100	210103	2	10
	200	210104	1	5
	300	210105	1	1
PST-LSR	Do not use open flames			
	150 x 300	4207FL001-GB	1	3

Family	Size mm	Type	Labels per sheet	Quantity
PS-SW	Do not use water to extinguish fires			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	210200	15	150
		210200-BULK	63	1.260
	50	210201	3	30
		210201-BULK	15	750
	60	210202	3	30
		210203	2	10
	100	210203-BULK	4	500
		210204	1	5
	300	210205	1	1
	PST-LSR	No water to be used for extinguishing fires		
	32 x 65	4200SW001-GB	4	20
	37 x 74	4201SW001-GB	3	15
	52 x 105	4202SW001-GB	1	10
	65 x 131	4203SW001-GB	1	10
	74 x 148	4204SW001-GB	1	5
	150 x 300	4207SW001-GB	1	3
PST-PSW	No water to be used for extinguishing fires			ISO 3864 - UNI 7543
	105 x 74	4303SW001-GB	1	10
	210 x 148	4306SW001-GB	1	3
PST-LSR	Do not use water to extinguish fires			
	52 x 105	4202SW002-GB	1	10
PST-PSW	Do not use water here			ISO 3864 - UNI 7543
	297 x 210	4307SW004-GB	1	2
PST-LSR	Do not use water to extinguish fires			
	65 x 131	4203SW005-GB	1	10



Family	Size mm	Type	Labels per sheet	Quantity
<b>PS-TP</b>	<b>No photographs</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>212600</b>	15	150
	50	<b>212601</b>	3	30
	60	<b>212602</b>	3	30
	100	<b>212603</b>	2	10
	200	<b>212604</b>	1	5
	300	<b>212605</b>	1	1
<b>PS-DW</b>	<b>No drinking, no drinking water</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>210300</b>	15	150
	50	<b>210301</b>	3	30
	60	<b>210302</b>	3	30
	100	<b>210303</b>	2	10
	200	<b>210304</b>	1	5
	300	<b>210305</b>	1	1
<b>PS-SK</b>	<b>No water jets</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>210400</b>	15	150
	50	<b>210401</b>	3	30
	60	<b>210402</b>	3	30
	100	<b>210403</b>	2	10
	200	<b>210404</b>	1	5
	300	<b>210405</b>	1	1
<b>PST-PSW</b>	Do not wash machines with water jets			ISO 3864 - UNI 7543
	92 x 65	<b>4302SK007-GB</b>	1	10
<b>PS-DC</b>	<b>Do not turn the switch</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>211500</b>	15	150
	50	<b>211501</b>	3	30
	60	<b>211502</b>	3	30
	100	<b>211503</b>	2	10
	200	<b>211504</b>	1	5
	300	<b>211505</b>	1	1
<b>PST-LSR</b>	Do not operate the switch			
	65 x 131	<b>4203DC001-GB</b>	1	10
<b>PS-NP</b>	<b>No entry</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>210500</b>	15	150
	50	<b>210501</b>	3	30
	60	<b>211502</b>	3	30
	100	<b>210503</b>	2	10
	200	<b>211504</b>	1	5
	300	<b>211505</b>	1	1
<b>PST-PSW</b>	Access prohibited			ISO 3864 - UNI 7543
	74 x 52	<b>4301NP003-GB</b>	2	10
	148 x 105	<b>4304NP003-GB</b>	1	5

Family	Size mm	Type	Labels per sheet	Quantity
<b>PST-LSR</b>	Access for personnel only			
	150 x 300	<b>4207NP004-GB</b>	1	3
<b>PST-LSR</b>	No access to unauthorised personnel			ISO 3864 - UNI 7543
	52 x 105	<b>4202NP005-GB</b>	1	10
	74 x 148	<b>4204NP005-GB</b>	1	5
<b>PST-PSW</b>	No access to unauthorised personnel			ISO 3864 - UNI 7543
	297 x 210	<b>4307NP005-GB</b>	1	2
<b>PST-PSW</b>	No access to unauthorised persons			ISO 3864 - UNI 7543
	105 x 74	<b>4303NP006-GB</b>	1	10
<b>PST-LSR</b>	No access to non-company personnel			ISO 3864 - UNI 7543
	74 x 148	<b>4204NP007-GB</b>	1	5
<b>PS-PP</b>	<b>No pedestrian traffic</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>210600</b>	15	150
	50	<b>210601</b>	3	30
	60	<b>210602</b>	3	30
	100	<b>210603</b>	2	10
	200	<b>210604</b>	1	5
	300	<b>210605</b>	1	1
<b>PST-LSR</b>	Pedestrians not allowed on this route			ISO 3864 - UNI 7543
	105 x 210	<b>4205PP005-GB</b>	1	3
<b>PS-AA</b>	<b>No access for animals</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>210700</b>	15	150
	50	<b>210701</b>	3	30
	60	<b>210702</b>	3	30
	100	<b>210703</b>	2	10
	200	<b>210704</b>	1	5
	300	<b>210705</b>	1	1
<b>PS-PC</b>	<b>No access for lift trucks</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>210800</b>	15	150
	50	<b>210801</b>	3	30
	60	<b>210802</b>	3	30
	100	<b>210803</b>	2	10
	200	<b>210804</b>	1	5
	300	<b>210805</b>	1	1
<b>PS-NM</b>	<b>Do not carry out any operations</b>			
	25	<b>211400</b>	15	150
	50	<b>211401</b>	3	30
	60	<b>211402</b>	3	30
	100	<b>211403</b>	2	10
	200	<b>211404</b>	1	5
	300	<b>211405</b>	1	1

# PS

GB English F French D German E Spanish ... other language










other language on request













Family	Size mm	Type	Labels per sheet	Quantity
<b>PST-LSR</b>	Do not carry out any operations			
	65 x 131	<b>4203NM001-GB</b>	1	10
	120 x 200	<b>4206NM001-GB</b>	1	3
<b>PS-AP</b>	General prohibition <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>212700</b>	15	150
	50	<b>212701</b>	3	30
	60	<b>212702</b>	3	30
	100	<b>212703</b>	2	10
	200	<b>212704</b>	1	5
	300	<b>212705</b>	1	1
<i>Always use in combination with other symbol or text</i>				
<b>PS-MF</b>	Mobile radios prohibited <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211600</b>	15	150
	50	<b>211601</b>	3	30
	60	<b>211602</b>	3	30
	100	<b>211603</b>	2	10
	200	<b>211604</b>	1	5
	300	<b>211605</b>	1	1
<b>PS-CP</b>	Mobile phones prohibited <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211700</b>	15	150
	50	<b>211701</b>	3	30
	60	<b>211702</b>	3	30
	100	<b>211703</b>	2	10
	200	<b>211704</b>	1	5
	300	<b>211705</b>	1	1
<b>PS-PM</b>	No access to cardiac pacemakers <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>212100</b>	15	150
	50	<b>212101</b>	3	30
	60	<b>212102</b>	3	30
	100	<b>212103</b>	2	10
	200	<b>212104</b>	1	5
	300	<b>212105</b>	1	1
<b>PST-PSW</b>	No access for persons with cardiac stimulators <small>ISO 3864 - UNI 7543</small>			
	297 x 210	<b>4307PM001-GB</b>	1	2
<b>PS-MC</b>	Do not bring magnetic cards in here <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211800</b>	15	150
	50	<b>211801</b>	3	30
	60	<b>211802</b>	3	30
	100	<b>211803</b>	2	10
	200	<b>211804</b>	1	5
	300	<b>211805</b>	1	1
<b>PS-MT</b>	Do not bring watches or metal objects in here <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211900</b>	15	150
	50	<b>211901</b>	3	30
	60	<b>211902</b>	3	30
	100	<b>211903</b>	2	10
	200	<b>211904</b>	1	5
	300	<b>211905</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
<b>PS-MP</b>	No access for persons with metal prostheses			<small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>
	25	<b>212000</b>	15	150
	50	<b>212001</b>	3	30
	60	<b>212002</b>	3	30
	100	<b>212003</b>	2	10
	200	<b>212004</b>	1	5
	300	<b>212005</b>	1	1
<b>PS-RP</b>	Do not remove guards <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>212400</b>	15	150
	50	<b>212401</b>	3	30
	60	<b>212402</b>	3	30
	100	<b>212403</b>	2	10
	200	<b>212404</b>	1	5
	300	<b>212405</b>	1	1
<b>PST-LSR</b>	Do not remove guards			
	52 x 105	<b>4202RP001-GB</b>	1	10
<b>PST-PSW</b>	Do not remove guards <small>ISO 3864 - UNI 7543</small>			
	92 x 65	<b>4302RP001-GB</b>	1	10
<b>PST-LSR</b>	Do not remove the protection and safety devices			
	37 x 74	<b>4201RP003-GB</b>	3	15
<b>PST-PSW</b>	Do not remove the protection and safety devices <small>ISO 3864 - UNI 7543</small>			
	74 x 52	<b>4301RP003-GB</b>	2	10
	92 x 65	<b>4302RP003-GB</b>	1	10
	105 x 74	<b>4303RP003-GB</b>	1	10
	148 x 105	<b>4304RP003-GB</b>	1	5
<b>PS-HC</b>	Do not stand under the forks <small>ISO 3864 - UNI 7543</small>			
	25	<b>210900</b>	15	150
	50	<b>210901</b>	3	30
	60	<b>210902</b>	3	30
	100	<b>210903</b>	2	10
	200	<b>210904</b>	1	5
	300	<b>210905</b>	1	1
<b>PS-UC</b>	No climbing on the forks <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211000</b>	15	150
	50	<b>211001</b>	3	30
	60	<b>211002</b>	3	30
	100	<b>211003</b>	2	10
	200	<b>211004</b>	1	5
	300	<b>211005</b>	1	1
<b>PS-SM</b>	No materials to be deposited <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211100</b>	15	150
	50	<b>211101</b>	3	30
	60	<b>211102</b>	3	30
	100	<b>211103</b>	2	10
	200	<b>211104</b>	1	5
	300	<b>211105</b>	1	1



Family	Size mm	Type	Labels per sheet	Quantity
	<b>Use of gloves prohibited</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>212800</b>	15	150
	50	<b>212801</b>	3	30
	60	<b>212802</b>	3	30
	100	<b>212803</b>	2	10
	200	<b>212804</b>	1	5
	300	<b>212805</b>	1	1
	<b>Do not lubricate moving parts</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>212500</b>	15	150
	50	<b>212501</b>	3	30
	60	<b>212502</b>	3	30
	100	<b>212503</b>	2	10
	200	<b>212504</b>	1	5
	<b>Do not lubricate moving parts</b>			ISO 3864 - UNI 7543
	92 x 65	<b>4302NL001-GB</b>	1	10
	148 x 105	<b>4304NL001-GB</b>	1	5
	<b>No operations permitted on moving parts</b>			ISO 3864 - UNI 7543
	92 x 65	<b>4302NL003-GB</b>	1	10
	105 x 74	<b>4303NL003-GB</b>	1	10
	<b>Do not lubricate and clean while in motion</b>			ISO 3864 - UNI 7543
	74 x 52	<b>4301NL006-GB</b>	2	10
	<b>Do not repair or adjust while in motion</b>			ISO 3864 - UNI 7543
	74 x 52	<b>4301NL007-GB</b>	2	10
	<b>Do not spray CFCs</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>213000</b>	15	150
	50	<b>213001</b>	3	30
	60	<b>213002</b>	3	30
	100	<b>213003</b>	2	10
	200	<b>213004</b>	1	5
	300	<b>213005</b>	1	1
	<b>Use of padlocks prohibited</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>213100</b>	15	150
	50	<b>213101</b>	3	30
	60	<b>213102</b>	3	30
	100	<b>213103</b>	2	10
	200	<b>213104</b>	1	5
	<b>Hair is not to be worn loose</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>213200</b>	15	150
	50	<b>213201</b>	3	30
	60	<b>213202</b>	3	30
	100	<b>213203</b>	2	10
	200	<b>213204</b>	1	5
300	<b>213205</b>	1	1	

Family	Size mm	Type	Labels per sheet	Quantity
	<b>No riding on the goods lift</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>212200</b>	15	150
	50	<b>212201</b>	3	30
	60	<b>212202</b>	3	30
	100	<b>212203</b>	2	10
	200	<b>212204</b>	1	5
	300	<b>212205</b>	1	1
	<b>Goods lift not to be used for carrying persons</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>212300</b>	15	150
	50	<b>212301</b>	3	30
	60	<b>212302</b>	3	30
	100	<b>212303</b>	2	10
	200	<b>212304</b>	1	5
	<b>No camping</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>212900</b>	15	150
	50	<b>212901</b>	3	30
	60	<b>212902</b>	3	30
	100	<b>212903</b>	2	10
	<b>Do not approach magnetic fields</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>213300</b>	15	150
	50	<b>213301</b>	3	30
	60	<b>213302</b>	3	30
	<b>Do not touch</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	100	<b>213303</b>	2	10
	200	<b>213304</b>	1	5
	300	<b>213305</b>	1	1
		<b>Do not touch</b>		
25		<b>211200</b>	15	150
50		<b>211201</b>	3	30
60		<b>211202</b>	3	30
100		<b>211203</b>	2	10
200		<b>211204</b>	1	5
	<b>Do not touch</b>			ISO 3864 - UNI 7543
	74 x 52	<b>43010D001-GB</b>	2	10
	105 x 74	<b>43030D001-GB</b>	1	10
	<b>Do not touch</b>			ISO 3864 - UNI 7543
	297 x 210	<b>43070D001-GB</b>	1	2
	<b>Do not open</b>			
	52x105	<b>42020D002-GB</b>	1	10
	<b>Do not open. Panel to be opened by authorised persons only</b>			
	52 x 105	<b>42020D007-GB</b>	1	10
	74 x 148	<b>42040D007-GB</b>	1	5

PS

GB English F French D German E Spanish ... other language

other language on request

PET HF 40°C 130°C



Family	Size mm	Type	Labels per sheet	Quantity
<b>PST-LSR</b>	Do not open. Panel to be opened by electricians only			
	37 x 74	<b>42010D008-GB</b>	3	15
	52 x 105	<b>42020D008-GB</b>	1	10
	74 x 148	<b>42040D008-GB</b>	1	5
<b>PST-PSW</b>	Do not open. Panel to be opened by electricians only <small>ISO 3864 - UNI 7543</small>			
	74 x 52	<b>43010D008-GB</b>	2	10
	105 x 74	<b>43030D008-GB</b>	1	10
<b>PST-LSR</b>	Unauthorised opening forbidden			
	65 x 131	<b>42030D009-GB</b>	1	10
<b>PS-TA</b>	<b>Do not open</b> <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>211300</b>	15	150
		<b>211300-BULK</b>	63	1.260
	50	<b>211301</b>	3	30
		<b>211301-BULK</b>	15	750
	60	<b>211302</b>	3	30
	100	<b>211303</b>	2	10
		<b>211303-BULK</b>	4	500
	200	<b>211304</b>	1	5
	300	<b>211305</b>	1	1
<b>PST-LSR</b>	Do not open			
	52 x 105	<b>4202TA001-GB</b>	1	10
<b>PST-LSR</b>	Do not open live equipment			
	52 x 105	<b>4202TA003-GB</b>	1	10
<b>PST-LSR</b>	Do not open. Panel to be opened by authorised persons only			
	37 x 74	<b>4201TA006-GB</b>	3	15
	52 x 105	<b>4202TA006-GB</b>	1	10
	65 x 131	<b>4203TA006-GB</b>	1	10
<b>PST-PSW</b>	Do not open. Panel to be opened by authorised persons only <small>ISO 3864 - UNI 7543</small>			
	92 x 65	<b>4302TA006-GB</b>	1	10
<b>PST-LSR</b>	Do not open. Panel to be opened by electricians only			
	52 x 105	<b>4202TA007-GB</b>	1	10
	105 x 210	<b>4205TA007-GB</b>	1	3
<b>PST-PSW</b>	Do not open. Panel to be opened by electricians only <small>ISO 3864 - UNI 7543</small>			
	92 x 65	<b>4302TA007-GB</b>	1	10
<b>PS-RS</b>	<b>Use of roller skates prohibited</b> <small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>			
	25	<b>213500</b>	15	150
	50	<b>213501</b>	3	30
	60	<b>213502</b>	3	30
	100	<b>213503</b>	2	10
	200	<b>213504</b>	1	5
	300	<b>213505</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
<b>PS-MH</b>	<b>Do not stand under the moving arm</b>			<small>UNI EN ISO 7010 ISO 3864 - UNI 7543</small>
	25	<b>213400</b>	15	150
	50	<b>213401</b>	3	30
	60	<b>213402</b>	3	30
	100	<b>213403</b>	2	10
	200	<b>213404</b>	1	5
	300	<b>213405</b>	1	1
<b>PS-AG</b>	<b>No leaning against</b>			
<b>PST-LSR</b>	No leaning against			
	65 x 131	<b>4203AG001-GB</b>	1	10
<b>PS-SS</b>	<b>No stepping on surface</b>			
<b>PST-LSR</b>	No stepping on surface			
	65 x 131	<b>4203SS001-GB</b>	1	10
<b>PS-NF</b>	<b>No pushing</b>			
<b>PST-LSR</b>	No pushing			
	65 x 131	<b>4203NF001-GB</b>	1	10

## Mandatory signs

Polyester film, Halogen free, on sheet






Consist of MS symbols supplemented by information in text form MST, or text only signs which can be used in combination with symbol only signs. Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.








**Material:** Polyester film over-laminated with transparent film resistant to UV, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -40°C to +130°C



















Family	Size mm	Type	Labels per sheet	Quantity
MS-WG	Protective goggles must be worn			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220000	15	150
	50	220001	3	30
	60	220002	3	30
	100	220003	2	10
	200	220004	1	5
	300	220005	1	1
MS-WH	Protective helmets are required			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220100	15	150
	50	220101	3	30
	60	220102	3	30
	100	220103	2	10
	200	220104	1	5
	300	220105	1	1
MS-WD	Protective earmuffs are required			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220200	15	150
	50	220201	3	30
	60	220202	3	30
	100	220203	2	10
	200	220204	1	5
	300	220205	1	1
MST-PSW	Protect your hearing			ISO 3864 - UNI 7543
	148X105	6304WD002-GB	1	5
MS-WO	Full body protection required			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220700	15	150
	50	220701	3	30
	60	220702	3	30
	100	220703	2	10
	200	220704	1	5
	300	220705	1	1

Family	Size mm	Type	Labels per sheet	Quantity
MS-GM	Gas masks required			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220300	15	150
	50	220301	3	30
	60	220302	3	30
	100	220303	2	10
	200	220304	1	5
	300	220305	1	1
MS-MM	Protective mask required			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220400	15	150
	50	220401	3	30
	60	220402	3	30
	100	220403	2	10
	200	220404	1	5
	300	220405	1	1
MS-WC	Hats must be worn			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220500	15	150
	50	220501	3	30
	60	220502	3	30
	100	220503	2	10
	200	220504	1	5
	300	220505	1	1
MS-CG	Wear protective gloves			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220900	15	150
	50	220901	3	30
	60	220902	3	30
	100	220903	2	10
	200	220904	1	5
	300	220905	1	1
MST-PSW	Wear protective gloves			ISO 3864 - UNI 7543
	148 x 105	6304CG001-GB	1	5

other language on request



Family	Size mm	Type	Labels per sheet	Quantity
MST-PSW	Safety gloves required			ISO 3864 - UNI 7543
	105 x 74	6303CG005-GB	1	10
MS-HP	Hair must be tied back			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220600	15	150
	50	220601	3	30
	60	220602	3	30
	100	220603	2	10
	200	220604	1	5
	300	220605	1	1
MS-WA	Apron must be worn			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	220800	15	150
	50	220801	3	30
	60	220802	3	30
	100	220803	2	10
	200	220804	1	5
300	220805	1	1	
MS-HD	Protect head and hearing			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221200	15	150
	50	221201	3	30
	60	221202	3	30
	100	221203	2	10
	200	221204	1	5
300	221205	1	1	
MS-GD	Protect eyes and hearing			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221300	15	150
	50	221301	3	30
	60	221302	3	30
	100	221303	2	10
	200	221304	1	5
300	221305	1	1	
MST-LSB	Protect eyes and hearing			ISO 3864 - UNI 7543
	120 x 200	6206GD001-GB	1	3
MS-LG	Wear gloves with wrist protection			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221000	15	150
	50	221001	3	30
	60	221002	3	30
	100	221003	2	10
	200	221004	1	5
300	221005	1	1	
MS-WB	Wear protective footwear			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221100	15	150
	50	221101	3	30
	60	221102	3	30
	100	221103	2	10
	200	221104	1	5
300	221105	1	1	

Family	Size mm	Type	Labels per sheet	Quantity
MST-PSW	Wear protective footwear			ISO 3864 - UNI 7543
	148 x 105	6304WB001-GB	1	5
MS-WM	Wear facial protection			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221700	15	150
	50	221701	3	30
	60	221702	3	30
	100	221703	2	10
	200	221704	1	5
300	221705	1	1	
MST-PSW	Wear face shield			ISO 3864 - UNI 7543
	105 x 74	6303WM001-GB	1	10
MS-DS	Wear footwear with conductive soles			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	222200	15	150
	50	222201	3	30
	60	222202	3	30
	100	222203	2	10
	200	222204	1	5
300	222205	1	1	
MS-MH	Wear helmet and face shield			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221800	15	150
	50	221801	3	30
	60	221802	3	30
	100	221803	2	10
	200	221804	1	5
300	221805	1	1	
MS-CH	Wash hands before leaving work			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221900	15	150
	50	221901	3	30
	60	221902	3	30
	100	221903	2	10
	200	221904	1	5
300	221905	1	1	
MS-PH	Wear safety harness			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	222000	15	150
	50	222001	3	30
	60	222002	3	30
	100	222003	2	10
	200	222004	1	5
300	222005	1	1	
MS-HG	Protect head and eyes			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	221400	15	150
	50	221401	3	30
	60	221402	3	30
	100	221403	2	10
	200	221404	1	5
300	221405	1	1	



Family	Size mm	Type	Labels per sheet	Quantity
<b>MS-HM</b>	<b>Protect head and respiratory passages</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>221500</b>	15	150
	50	<b>221501</b>	3	30
	60	<b>221502</b>	3	30
	100	<b>221503</b>	2	10
	200	<b>221504</b>	1	5
	300	<b>221505</b>	1	1
<b>MS-FP</b>	<b>Head, eyes and hearing must be protected</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>221600</b>	15	150
	50	<b>221601</b>	3	30
	60	<b>221602</b>	3	30
	100	<b>221603</b>	2	10
	200	<b>221604</b>	1	5
	300	<b>221605</b>	1	1
<b>MS-SB</b>	<b>Wear safety belts</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222100</b>	15	150
	50	<b>222101</b>	3	30
	60	<b>222102</b>	3	30
	100	<b>222103</b>	2	10
	200	<b>222104</b>	1	5
	300	<b>222105</b>	1	1
<b>MS-CD</b>	<b>Keep the door closed</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222300</b>	15	150
	50	<b>222301</b>	3	30
	60	<b>222302</b>	3	30
	100	<b>222303</b>	2	10
	200	<b>222304</b>	1	5
	300	<b>222305</b>	1	1
<b>MS-PT</b>	<b>For pedestrians only</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222400</b>	15	150
	50	<b>222401</b>	3	30
	60	<b>222402</b>	3	30
	100	<b>222403</b>	2	10
	200	<b>222404</b>	1	5
	300	<b>222405</b>	1	1
<b>MS-PS</b>	<b>Footbridge</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222500</b>	15	150
	50	<b>222501</b>	3	30
	60	<b>222502</b>	3	30
	100	<b>222503</b>	2	10
	200	<b>222504</b>	1	5
	300	<b>222505</b>	1	1
<b>MS-ME</b>	<b>Lift for goods only</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222600</b>	15	150
	50	<b>222601</b>	3	30
	60	<b>222602</b>	3	30
	100	<b>222603</b>	2	10
	200	<b>222604</b>	1	5
	300	<b>222605</b>	1	1

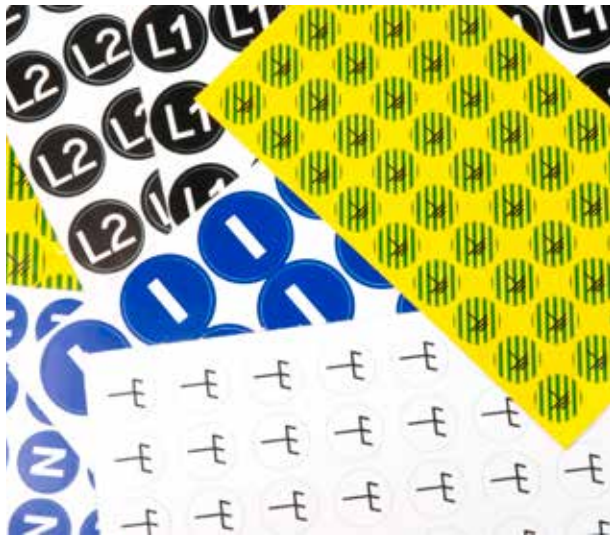
Family	Size mm	Type	Labels per sheet	Quantity
<b>MS-PD</b>	<b>Direction</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223200</b>	15	150
	50	<b>223201</b>	3	30
	60	<b>223202</b>	3	30
	100	<b>223203</b>	2	10
	200	<b>223204</b>	1	5
	300	<b>223205</b>	1	1
<b>MS-PE</b>	<b>Lift for passengers only</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222700</b>	15	150
	50	<b>222701</b>	3	30
	60	<b>222702</b>	3	30
	100	<b>222703</b>	2	10
	200	<b>222704</b>	1	5
	300	<b>222705</b>	1	1
<b>MS-DM</b>	<b>Unplug from mains</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222800</b>	15	150
	50	<b>222801</b>	3	30
	60	<b>222802</b>	3	30
	100	<b>222803</b>	2	10
	200	<b>222804</b>	1	5
	300	<b>222805</b>	1	1
<b>MS-BC</b>	<b>Switch off power before starting work</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>222900</b>	15	150
	50	<b>222901</b>	3	30
	60	<b>222902</b>	3	30
	100	<b>222903</b>	2	10
	200	<b>222904</b>	1	5
	300	<b>222905</b>	1	1
<b>MST-PSW</b>	Disconnect the line before carrying out any operation			ISO 3864 - UNI 7543
	74 x 52	<b>6301BC002-GB</b>	2	10
<b>MS-AM</b>	<b>Obey safety regulations</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223300</b>	15	150
	50	<b>223301</b>	3	30
	60	<b>223302</b>	3	30
	100	<b>223303</b>	2	10
	200	<b>223304</b>	1	5
	300	<b>223305</b>	1	1
<i>Always use in combination with other symbol or text</i>				
<b>MS-SA</b>	<b>Smoking area</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223000</b>	15	150
	50	<b>223001</b>	3	30
	60	<b>223002</b>	3	30
	100	<b>223003</b>	2	10
	200	<b>223004</b>	1	5
	300	<b>223005</b>	1	1

other language on request



Family	Size mm	Type	Labels per sheet	Quantity
<b>MS-SS</b>	<b>Smoking allowed in marked areas only</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223100</b>	15	150
	50	<b>223101</b>	3	30
	60	<b>223102</b>	3	30
	100	<b>223103</b>	2	10
	200	<b>223104</b>	1	5
	300	<b>223105</b>	1	1
<b>MS-PL</b>	<b>Pedestrians turn left</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223600</b>	15	150
	50	<b>223601</b>	3	30
	60	<b>223602</b>	3	30
	100	<b>223603</b>	2	10
	200	<b>223604</b>	1	5
	300	<b>223605</b>	1	1
<b>MS-PR</b>	<b>Pedestrians turn right</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223700</b>	15	150
	50	<b>223701</b>	3	30
	60	<b>223702</b>	3	30
	100	<b>223703</b>	2	10
	200	<b>223704</b>	1	5
	300	<b>223705</b>	1	1
<b>MS-VS</b>	<b>Vehicles at walking pace</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223800</b>	15	150
	50	<b>223801</b>	3	30
	60	<b>223802</b>	3	30
	100	<b>223803</b>	2	10
	200	<b>223804</b>	1	5
	300	<b>223805</b>	1	1
<b>MST-LSB</b>	At walking pace			ISO 3864 - UNI 7543
	120 x 200	<b>6206VS003-GB</b>	1	3
<b>MS-CS</b>	<b>At walking pace</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223900</b>	15	150
	50	<b>223901</b>	3	30
	60	<b>223902</b>	3	30
	100	<b>223903</b>	2	10
	200	<b>223904</b>	1	5
	300	<b>223905</b>	1	1
<b>MS-UH</b>	<b>Activate the alarm</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223400</b>	15	150
	50	<b>223401</b>	3	30
	60	<b>223402</b>	3	30
	100	<b>223403</b>	2	10
	200	<b>223404</b>	1	5
	300	<b>223405</b>	1	1

Family	Size mm	Type	Labels per sheet	Quantity
<b>MS-TD</b>	<b>Put refuse in the appropriate container</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>223500</b>	15	150
	50	<b>223501</b>	3	30
	60	<b>223502</b>	3	30
	100	<b>223503</b>	2	10
	200	<b>223504</b>	1	5
	300	<b>223505</b>	1	1
<b>MS-RI</b>	<b>Reading manual</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	50	<b>224101</b>	3	30
	100	<b>224103</b>	2	10
<b>MS-RI</b>	<b>Lifting hook</b>			UNI EN ISO 7010 ISO 3864 - UNI 7543
	25	<b>224500</b>	15	150
	50	<b>224501</b>	3	30
	60	<b>224502</b>	3	30



Electrical symbols

PVC film, on sheet

Consist of CS symbols supplemented by information in text form, or text only signs which can be used in combination with symbol only signs. Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

**Material:** Polyester film over-laminated with transparent film resistant to UV, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -40°C to +130°C



Family	Size mm	Type	Labels per sheet	Quantity
CS-ES	Earth			
	12,5	700600	45	225
	16	700601	28	140
	20	700602	18	90
	25	700603	15	75
	25	700604	15	75
	31,5	700605	8	40
CS-EYG	Earth			
	12,5	700700	45	225
		700700-BULK	192	960
	16	700701	28	140
		700701-BULK	117	1.170
	20	700702	18	90
		700702-BULK	80	1.200
	25	700703	15	75
31,5	700704	8	40	
CS-E	Earth			
	12,5	700800	45	225
	16	700801	28	140
	20	700802	18	90
	25	700803	15	75
	31,5	700804	8	40
CS-EP	Protected earth			
	12,5	700900	45	225
	16	700901	28	140
	20	700902	18	90
	25	700903	15	75
	31,5	700904	8	40
CS-EPY	Protected earth			
	12,5	705000	45	225
	16	705001	28	140
	20	705002	18	90
CS-EWN	Earth without noise			
	12,5	701000	45	225
	16	701001	28	140
	20	701002	18	90
	25	701003	15	75
	31,5	701004	8	40

Family	Size mm	Type	Labels per sheet	Quantity
CS-TE	Earth without interference			
	12,5	701100	45	225
	16	701101	28	140
	20	701102	18	90
	25	701103	15	75
	31,5	701104	8	40
CS-PS	Positive			
	12,5	701800	45	225
	16	701801	28	140
	20	701802	18	90
	25	701803	15	75
	31,5	701804	8	40
CS-NS	Negative			
	12,5	701900	45	225
	16	701901	28	140
	20	701902	18	90
	25	701903	15	75
	31,5	701904	8	40
CS-PR	Positive			
	12,5	702000	45	225
		702000-BULK	192	960
	16	702001	28	140
		702001-BULK	117	1.170
	20	702002	18	90
		702002-BULK	80	1.200
	25	702003	15	75
	31,5	702004	8	40
CS-NB	Negative			
	12,5	702100	45	225
		702100-BULK	192	960
	16	702101	28	140
		702101-BULK	117	1.170
	20	702102	18	90
		702102-BULK	80	1.200
	25	702103	15	75
	31,5	702104	8	40

CS



Family	Size mm	Type	Labels per sheet	Quantity
<b>CS-L1</b> Phase 1				
	12,5	700000	45	225
		700000-BULK	192	960
	16	700001	28	140
		700001-BULK	117	1.170
	20	700002	18	90
		700002-BULK	80	1.200
	25	700003	15	75
	31,5	700004	8	40
<b>CS-L2</b> Phase 2				
	12,5	700100	45	225
		700100-BULK	192	960
	16	700101	28	140
		700101-BULK	117	1.170
	20	700102	18	90
		700102-BULK	80	1.200
	25	700103	15	75
	31,5	700104	8	40
<b>CS-L3</b> Phase 3				
	12,5	700200	45	225
		700200-BULK	192	960
	16	700201	28	140
		700201-BULK	117	1.170
	20	700202	18	90
		700202-BULK	80	1.200
	25	700203	15	75
	31,5	700204	8	40
<b>CS-N</b> Neutral				
	12,5	700300	45	225
		700300-BULK	192	960
	16	700301	28	140
		700301-BULK	117	1.170
	20	700302	18	90
		700302-BULK	80	1.200
	25	700303	15	75
	31,5	700304	8	40
<b>CS-EY</b> Earth				
	12,5	700400	45	225
		700400-BULK	192	960
	16	700401	28	140
		700401-BULK	117	1.170
	20	700402	18	90
		700402-BULK	80	1.200
	25	700403	15	75
	31,5	700404	8	40
<b>CS-EW</b> Earth				
	12,5	700500	45	225
		700500-BULK	192	960
	16	700501	28	140
		700501-BULK	117	1.170
	20	700502	18	90
		700502-BULK	80	1.200
	25	700503	15	75
	31,5	700504	8	40
<b>CS-PE</b> Protected conductor				
	12,5	701200	45	225
		701200-BULK	192	960
	16	701201	28	140
		701201-BULK	117	1.170
	20	701202	18	90
		701202-BULK	80	1.200
	25	701203	15	75
	31,5	701204	8	40

Family	Size mm	Type	Labels per sheet	Quantity
<b>CS-PEN</b> Neutral with protective function				
	12,5	701300	45	225
	16	701301	28	140
	20	701302	18	90
	25	701303	15	75
	31,5	701304	8	40
<b>CS-N-PEN</b> Neutral with protective function				
	12,5	704400	45	225
	16	704401	28	140
	20	704402	18	90
	31,5	704404	8	40
<b>CS-PU</b> Protected conductor not connected to earth				
	12,5	701400	45	225
	16	701401	28	140
	20	701402	18	90
	25	701403	15	75
	31,5	701404	8	40
<b>CS-CC</b> Equipotential				
	12,5	701500	45	225
	16	701501	28	140
	20	701502	18	90
	25	701503	15	75
	31,5	701504	8	40
<b>CS-MW</b> Earth				
	12,5	702200	45	225
	16	702201	28	140
	20	702202	18	90
	25	702203	15	75
	31,5	702204	8	40
<b>CS-MS</b> Earth				
	12,5	702300	45	225
	16	702301	28	140
	20	702302	18	90
	25	702303	15	75
	31,5	702304	8	40
<b>CS-DCW</b> Direct current				
	12,5	703000	45	225
	16	703001	28	140
	20	703002	18	90
	25	703003	15	75
	31,5	703004	8	40
<b>CS-DCS</b> Direct current				
	12,5	703100	45	225
	16	703101	28	140
	20	703102	18	90
	25	703103	15	75
	31,5	703104	8	40
<b>CS-DACW</b> Direct and alternating current				
	12,5	703200	45	225
	16	703201	28	140
	20	703202	18	90
	25	703203	15	75
	31,5	703204	8	40
<b>CS-DACS</b> Direct and alternating current				
	12,5	703300	45	225
	16	703301	28	140
	20	703302	18	90
	25	703303	15	75
	31,5	703304	8	40

LABELS

CS

PET HF 40°C 130°C



Family	Size mm	Type	Labels per sheet	Quantity	
<b>CS-DIW</b>	<b>Class II insulation</b>				
	12,5	<b>703400</b>	45	225	
	16	<b>703401</b>	28	140	
	20	<b>703402</b>	18	90	
	25	<b>703403</b>	15	75	
	31,5	<b>703404</b>	8	40	
<b>CS-DIS</b>	<b>Class II insulation</b>				
	12,5	<b>703500</b>	45	225	
	16	<b>703501</b>	28	140	
	20	<b>703502</b>	18	90	
	25	<b>703503</b>	15	75	
	31,5	<b>703504</b>	8	40	
<b>CS-TIW</b>	<b>Class III insulation</b>				
	12,5	<b>703600</b>	45	225	
	16	<b>703601</b>	28	140	
	20	<b>703602</b>	18	90	
	25	<b>703603</b>	15	75	
	31,5	<b>703604</b>	8	40	
<b>CS-TIS</b>	<b>Class III insulation</b>				
	12,5	<b>703700</b>	45	225	
	16	<b>703701</b>	28	140	
	20	<b>703702</b>	18	90	
	25	<b>703703</b>	15	75	
	31,5	<b>703704</b>	8	40	
<b>CS-EX</b>	<b>Increased safety</b>				
	12,5	<b>703800</b>	45	225	
	16	<b>703801</b>	28	140	
	20	<b>703802</b>	18	90	
	25	<b>703803</b>	15	75	
	31,5	<b>703804</b>	8	40	
<b>CS-CE</b>	<b>EC standards</b>				
	12,5	<b>703900</b>	45	225	
		<b>703900-BULK</b>	192	960	
	16	<b>703901</b>	28	140	
		<b>703901-BULK</b>	117	1.170	
	20	<b>703902</b>	18	90	
		<b>703902-BULK</b>	80	1.200	
	25	<b>703903</b>	15	75	
	31,5	<b>703904</b>	8	40	
	<b>CS-PW</b>	<b>Positive</b>			
		12,5	<b>701600</b>	45	225
16		<b>701601</b>	28	140	
20		<b>701602</b>	18	90	
25		<b>701603</b>	15	75	
31,5		<b>701604</b>	8	40	
<b>CS-NW</b>	<b>Negative</b>				
	12,5	<b>701700</b>	45	225	
	16	<b>701701</b>	28	140	
	20	<b>701702</b>	18	90	
	25	<b>701703</b>	15	75	
	31,5	<b>701704</b>	8	40	
<b>CS-MM</b>	<b>Connection to earth or chassis</b>				
	12,5	<b>702400</b>	45	225	
	16	<b>702401</b>	28	140	
	20	<b>702402</b>	18	90	
	25	<b>702403</b>	15	75	
	31,5	<b>702404</b>	8	40	

Family	Size mm	Type	Labels per sheet	Quantity
<b>CS-L+</b>	<b>Positive</b>			
	12,5	<b>702500</b>	45	225
	16	<b>702501</b>	28	140
	20	<b>702502</b>	18	90
	25	<b>702503</b>	15	75
	31,5	<b>702504</b>	8	40
<b>CS-L-</b>	<b>Negative</b>			
	12,5	<b>702600</b>	45	225
	16	<b>702601</b>	28	140
	20	<b>702602</b>	18	90
	25	<b>702603</b>	15	75
	31,5	<b>702604</b>	8	40
<b>CS-M</b>	<b>Voltage median point</b>			
	12,5	<b>702700</b>	45	225
	16	<b>702701</b>	28	140
	20	<b>702702</b>	18	90
	25	<b>702703</b>	15	75
	31,5	<b>702704</b>	8	40
<b>CS-ACW</b>	<b>Alternating current</b>			
	12,5	<b>702800</b>	45	225
	16	<b>702801</b>	28	140
	20	<b>702802</b>	18	90
	25	<b>702803</b>	15	75
	31,5	<b>702804</b>	8	40
<b>CS-ACS</b>	<b>Alternating current</b>			
	12,5	<b>702900</b>	45	225
	16	<b>702901</b>	28	140
	20	<b>702902</b>	18	90
	25	<b>702903</b>	15	75
	31,5	<b>702904</b>	8	40
<b>CS-EQP</b>	<b>Equipotential</b>			
	12,5	<b>704600</b>	45	225
	16	<b>704601</b>	28	140
	20	<b>704602</b>	18	90
<b>CS-B</b>	<b>Blue</b>			
	20	<b>704702</b>	18	90
<b>CS-0</b>	<b>Zero</b>			
	20	<b>704302</b>	18	90
<b>CS-S</b>	<b>S</b>			
	16	<b>704101</b>	28	140
<b>CS-T</b>	<b>T</b>			
	16	<b>704201</b>	28	140
<b>CS-R</b>	<b>Red</b>			
	16	<b>704801</b>	28	140
	20	<b>704802</b>	18	90
<b>CS-Y</b>	<b>Yellow</b>			
	20	<b>704902</b>	18	90

# VS

## Utility sector signs

with text, PVC film

Available in different graphic modes and formats, for marking equipment, machinery and installations in a detailed and efficient way.

Texts can be supplied in different languages.

**Material:** Polyester film over-laminated with transparent film resistant to UV, thickness approximately 0,1 mm. Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances and Atmospheric Agents. Low flammability, self extinguishing. Recommended for application to equipment for internal or external use, but not directly exposed to atmospheric agents. If exposed to atmospheric agents, the life of the label may be limited to five years.

**Application temperature range:** -40°C to +130°C



Family	Size mm	Type	Labels per sheet	Language	Quantity
<b>VS-180</b>					
	70 x 120	268000	1	Italian	10
		268000-BULK	4	Italian	300
		268000-GB	1	English	10
		268000-GB-BULK	4	English	300
		268000-F	1	French	10
		268000-F-BULK	4	French	300
		268000-D	1	German	10
		268000-D-BULK	4	German	300
		268000-E	1	Spanish	10
		268000-E-BULK	4	Spanish	300
		268000-P	1	Portuguese	10
		268000-RUS	1	Russian	10
		268000-FIN	1	Finnish	10
		268000-TR	1	Turkish	10
		268000-CZ	1	Czech	10
		268000-NL	1	Dutch	10
		268000-PL	1	Polish	10
		268000-SLO	1	Slovenian	10
		268000-H	1	Hungarian	10
		268000-GR	1	Greek	10
268000-CN	1	Chinese	10		
268000-BLR	1	Belarusian	10		
268000-BG	1	Bulgarian	10		
268000-JP	1	Japanese	10		
<b>VS-181</b>					
	52 x 105	268101	1	Italian	10
		268100	1	Italian	10
	65 x 131	268100-GB	1	English	10
		268100-F	1	French	10
		268100-D	1	German	10
		268100-E	1	Spanish	10
		268100-P	1	Portuguese	10

LABELS

VS



Family	Size mm	Type	Labels per sheet	Language	Quantity	
<b>VS-I82</b>						
	52 x 105	268200	1	Italian	10	
		268200-BULK	6	Italian	450	
	40 x 80	268201	1	Italian	10	
		268201-BULK	15	Italian	900	
	52 x 105	268200-GB	1	English	10	
		268200-GB-BULK	6	English	450	
		268200-F	1	French	10	
		268200-F-BULK	6	French	450	
		268200-D	1	German	10	
		268200-E	1	Spanish	10	
			268200-P	1	Portuguese	10
	<b>VS-I83</b>					
	52 x 105	268300	1	Italian	10	
		268300-BULK	6	Italian	450	
		268300-GB	1	English	10	
		268300-GB-BULK	6	English	450	
		268300-F	1	French	10	
		268300-D	1	German	10	
	40 x 80	268300-D-BULK	6	German	450	
		268300-E	1	Spanish	10	
		268300-P	1	Portuguese	10	
		268301	1	italiano	10	
<b>VS-I84</b>						
	52 x 105	268400	1	Italian	10	
		268400-BULK	6	Italian	450	
		268400-GB	1	English	10	
		268400-F	1	French	10	
		268400-D	1	German	10	
		268400-E	1	Spanish	10	
	40 x 80	268400-P	1	Portuguese	10	
		268401	1	Italian	10	
<b>VS-I85</b>						
	52 x 105	268500	1	Italian	10	
		268500-BULK	6	Italian	450	
		268500-GB	1	English	10	
		268500-GB-BULK	6	English	450	
		268500-F	1	French	10	
		268500-F-BULK	6	French	450	
	52 x 105	268500-D	1	German	10	
		268500-D-BULK	6	German	450	
		268500-E	1	Spanish	10	
		268500-P	1	Portuguese	10	
<b>VS-I86</b>						
	52 x 105	268600	1	Italian	10	
		268600-GB	1	English	10	
		268600-F	1	French	10	
		268600-D	1	German	10	
		268600-E	1	Spanish	10	
		268600-P	1	Portuguese	10	
		268600-TR	1	Turkish	10	
		268600-RUS	1	Russian	10	
		268600-CZ	1	Czech	10	
		268600-NL	1	Dutch	10	
		268600-PL	1	Polish	10	
		268600-H	1	Hungarian	10	
		268600-GR	1	Greek	10	
		268600-R	1	Romanian	10	
		268600-CN	1	Chinese	10	
		268600-MK	1	Macedonian	10	

VS

GB English F French D German E Spanish ... other language

other language on request



Family	Size mm	Type	Labels per sheet	Language	Quantity
<p>VS-150</p>	150 x 180	2615000	1		10
<p>VS-1114</p>	70 x 120	2611400	1		10
<p>VS-I132</p>	125 x 62	2613200 2613200-GB 2613200-F 2613200-D 2613200-E 2613200-P	6	Italian English French German Spanish Portuguese	12 12 12 12 12 12
<p>VS-I133</p>	125 x 62	2613300 2613300-GB 2613300-F 2613300-D 2613300-E 2613300-P	6	Italian English French German Spanish Portuguese	12 12 12 12 12 12
<p>VS-I134</p>	62 x 125	2613400 2613400-GB 2613400-F 2613400-D 2613400-E 2613400-P	6	Italian English French German Spanish Portuguese	12 12 12 12 12 12
<p>VS-I135</p>	62 x 155	2613500 2613500-GB 2613500-F 2613500-D 2613500-E 2613500-P	3	Italian English French German Spanish Portuguese	9 9 9 9 9 9

LABELS

VS



Family	Size mm	Type	Labels per sheet	Language	Quantity
<b>VS-I136</b>					
	125 x 62	2613600	4	Italian	12
		2613600-GB	4	English	12
		2613600-F	4	French	12
<b>VS-I137</b>					
	62 x 125	2613700	6	Italian	12
		2613700-GB	6	English	12
		2613700-F	6	French	12
		2613700-D	6	German	12
		2613700-E	6	Spanish	12
		2613700-P	6	Portuguese	12
<b>VS-I138</b>					
	62 x 125	2613800	6	Italian	12
		2613800-GB	6	English	12
		2613800-F	6	French	12
		2613800-D	6	German	12
		2613800-E	6	Spanish	12
		2613800-P	6	Portuguese	12
<b>VS-I139</b>					
	62 x 125	2613900	6	Italian	12
		2613900-GB	6	English	12
		2613900-F	6	French	12
		2613900-D	6	German	12
		2613900-E	6	Spanish	12
		2613900-P	6	Portuguese	12
<b>VS-I140</b>					
	62 x 125	2614000	6	Italian	12
		2614000-GB	6	English	12
		2614000-F	6	French	12
		2614000-D	6	German	12
		2614000-E	6	Spanish	12
		2614000-P	6	Portuguese	12
<b>VS-I141</b>					
	62 x 125	2614100	6	Italian	12
		2614100-GB	6	English	12
		2614100-F	6	French	12
		2614100-D	6	German	12
		2614100-E	6	Spanish	12
		2614100-P	6	Portuguese	12

VS

GB English 
 F French 
 D German 
 E Spanish 
 ... other language

other language on request



Family	Size mm	Type	Labels per sheet	Language	Quantity
VS-I147					
	125 x 62	2614700-I	4	Italian	12
		2614700-GB	4	English	12
VS-I148					
	62 x 125	2614800	4	Italian	12
		2614800-GB	4	English	12
VS-I161					
	62 x 125	2616100-GB	4	English	12
VS-I162					
	62 x 125	2616200-GB	4	English	12
VS-I163					
	62 x 125	2616300-GB	4	English	12
VS-I164					
	62 x 125	2616400-GB	4	English	12

# LABELSTICKONSYS

## Labels for desktop printers



Blank labels for laser or ink-jet printers. Supplied on A4 sheets, in UL certified materials such as polyester and polyolefin, for long-term use, at very high temperatures if necessary.

LLS and ILS labels can be used to identify electrical and electronic components with the high quality print provided by desktop printers.

Supplied in packs of 10 and combined with a strong liner, each sheet of labels must be fed manually into the printer.



Grey and 'silver' Polyester labels are widely

used in the electrical and electronic industries.



Chemical and pharmaceutical applications commonly require the use of very thin and strong labels capable of withstanding contact with chemical agents.

Polyester is recommended for its transparency and non-deformability.

Improved visibility may be obtained with coloured polyester labels available in a wide range of materials supplied by CEMBRE.



white	yellow	metallic grey	
<b>WVYG</b>	<b>YVYG</b>	<b>PPYG</b>	<b>Material</b>
Polyester outdoor	Polyester indoor	Polyester outdoor	
<b>-40°C</b>	<b>-40°C</b>	<b>-30°C</b>	<b>Min Temperature range</b>
<b>+150°C</b>	<b>+150°C</b>	<b>+130°C</b>	<b>Max Temperature range</b>
<b>50µ</b>	<b>50µ</b>	<b>50µ</b>	<b>Thickness</b>
✓	✓	✓	<b>Adhesive</b>

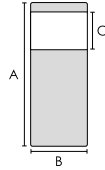
# KML

## Wraparound cable markers

for laser printers, self adhesive, A4 sheet

KML wraparound cable markers are suitable for identifying large

diameter cables, tubes and conduit.



**Material:** transparent polyester film. Long-life Acrylic adhesive.

Resistant to Water, Oil, Grease, Alcohol, Detergent, Alkaline Substances, Sea Water and all kinds of Detergents.

Excellent dimensional stability, optimum antiaging qualities

**Application temperature range:** -40°C to +130°C



Family	Overall Length A mm	Wrapping diameter mm	type						Print area Cx B mm	Quantity
			white	yellow	orange	red	blue	green		
KML038	38	4,3 ÷ 7	18950-010	18450-010	18350-010	18250-010	18650-010	18550-010	10 x 10	1.260
			18950-012	18450-012	18350-012	18250-012	18650-012	18550-012	10 x 12	1.050
			18950-015	18450-015	18350-015	18250-015	18650-015	18550-015	10 x 15	840
			18950-018	18450-018	18350-018	18250-018	18650-018	18550-018	10 x 18	700
			18950-020	18450-020	18350-020	18250-020	18650-020	18550-020	10 x 20	630
			18950-023	18450-023	18350-023	18250-023	18650-023	18550-023	10 x 23	560
			18950-025	18450-025	18350-025	18250-025	18650-025	18550-025	10 x 25	490
			18950-030	18450-030	18350-030	18250-030	18650-030	18550-030	10 x 30	420
			18950-035	18450-035	18350-035	18250-035	18650-035	18550-035	10 x 35	350
			18950-045	18450-045	18350-045	18250-045	18650-045	18550-045	10 x 45	280
KML050	50	6 ÷ 10	18951-010	18451-010	18351-010	18251-010	18651-010	18551-010	15 x 10	900
			18951-012	18451-012	18351-012	18251-012	18651-012	18551-012	15 x 12	750
			18951-015	18451-015	18351-015	18251-015	18651-015	18551-015	15 x 15	600
			18951-018	18451-018	18351-018	18251-018	18651-018	18551-018	15 x 18	500
			18951-020	18451-020	18351-020	18251-020	18651-020	18551-020	15 x 20	450
			18951-023	18451-023	18351-023	18251-023	18651-023	18551-023	15 x 23	400
			18951-025	18451-025	18351-025	18251-025	18651-025	18551-025	15 x 25	350
			18951-030	18451-030	18351-030	18251-030	18651-030	18551-030	15 x 30	300
			18951-035	18451-035	18351-035	18251-035	18651-035	18551-035	15 x 35	250
			18951-045	18451-045	18351-045	18251-045	18651-045	18551-045	15 x 45	200
KML075	75	8 ÷ 14	18952-010	18452-010	18352-010	18252-010	18652-010	18552-010	25 x 10	540
			18952-012	18452-012	18352-012	18252-012	18652-012	18552-012	25 x 12	450
			18952-015	18452-015	18352-015	18252-015	18652-015	18552-015	25 x 15	360
			18952-018	18452-018	18352-018	18252-018	18652-018	18552-018	25 x 18	300
			18952-020	18452-020	18352-020	18252-020	18652-020	18552-020	25 x 20	270
			18952-023	18452-023	18352-023	18252-023	18652-023	18552-023	25 x 23	240
			18952-025	18452-025	18352-025	18252-025	18652-025	18552-025	25 x 25	210
			18952-030	18452-030	18352-030	18252-030	18652-030	18552-030	25 x 30	180
			18952-035	18452-035	18352-035	18252-035	18652-035	18552-035	25 x 35	150
			18952-045	18452-045	18352-045	18252-045	18652-045	18552-045	25 x 45	120
KML135	135	19 ÷ 34	18953-015	18453-015	18353-015	18253-015	18653-015	18553-015	25 x 15	240
			18953-018	18453-018	18353-018	18253-018	18653-018	18553-018	25 x 18	200
			18953-020	18453-020	18353-020	18253-020	18653-020	18553-020	25 x 20	180
			18953-023	18453-023	18353-023	18253-023	18653-023	18553-023	25 x 23	160
			18953-025	18453-025	18353-025	18253-025	18653-025	18553-025	25 x 25	140
			18953-030	18453-030	18353-030	18253-030	18653-030	18553-030	25 x 30	120
			18953-035	18453-035	18353-035	18253-035	18653-035	18553-035	25 x 35	100
			18953-045	18453-045	18353-045	18253-045	18653-045	18553-045	25 x 45	80

## LLS-ILS

Labels for laser and inkjet printers

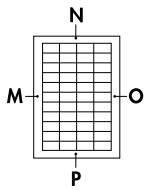
self adhesive

Material: Polyester (see page 178)

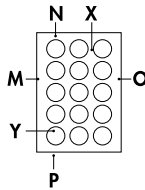


Rectangular, square corners												
Size AxB mm	Type	white	yellow indoor	metallic grey	Row x Column	M	N	O	P	X	Y	Quantity
5 x 12	7700707...	WPYM	YPYM	SPYM	55 x 15	15	12	15	10			8.250
6 x 15	7700112...	WPYM	YPYM	SPYM	46 x 12	15	11	15	10			5.520
6 x 20	7700116...	WPYM	YPYM	SPYM	46 x 9	15	11	15	10			4.140
7 x 10	7700708...	WPYM	YPYM	SPYM	39 x 19	10	14	10	10			7.410
7 x 15	7700709...	WPYM	YPYM	SPYM	39 x 12	15	14	15	10			4.680
8 x 12	7700158...	WPYM	YPYM	SPYM	34 x 15	15	15	15	10			5.100
8 x 15	7700164...	WPYM	YPYM	SPYM	34 x 12	15	15	15	10			4.080
8 x 17	7700162...	WPYM	YPYM	SPYM	34 x 11	11,5	15	11,5	10			3.740
8 x 45	7700064...	WPYM	YPYM	SPYM	34 x 4	15	15	15	10			1.360
9 x 12	7700070...	WPYM	YPYM	SPYM	30 x 16	9	17	9	10			4.800
9 x 15	7700068...	WPYM	YPYM	SPYM	30 x 12	15	17	15	10			3.600
9 x 20	7700196...	WPYM	YPYM	SPYM	30 x 9	15	17	15	10			2.700
9 x 35	7700710...	WPYM	YPYM	SPYM	30 x 5	17,5	17	17,5	10			1.500
10 x 30	7700174...	WPYM	YPYM	SPYM	27 x 6	15	17	15	10			1.620
10 x 33	7700266...	WPYM	YPYM	SPYM	27 x 6	22,5	17	22,5	10			1.890
10 x 60	7700292...	WPYM	YPYM	SPYM	27 x 3	15	17	15	10			810
11 x 19	7700094...	WPYM	YPYM	SPYM	25 x 9	19,5	12	19,5	10			2.250
11 x 38	7700096...	WPYM	YPYM	SPYM	25 x 5	10	12	10	10			1.250
12 x 25	7700304...	WPYM	YPYM	SPYM	23 x 7	17,5	14	17,5	10			1.610
12 x 34	7700300...	WPYM	YPYM	SPYM	23 x 5	20	14	20	10			1.150
12 x 40	7700711...	WPYM	YPYM	SPYM	22 x 4	25	23	25	10			880
13 x 50	7700712...	WPYM	YPYM	SPYM	21 x 3	30	14	30	10			630
15 x 17	7700330...	WPYM	YPYM	SPYM	18 x 11	11,5	11,5	11,5	10			1.980
15 x 27	7700616...	WPYM	YPYM	SPYM	18 x 7	10,5	17	10,5	10			1.260
15 x 49	7700614...	WPYM	YPYM	SPYM	18 x 3	31,5	17	31,5	10			540
15 x 78	7700713...	WPYM	YPYM	SPYM	18 x 2	27	17	27	10			360
18 x 32	7700228...	WPYM	YPYM	SPYM	15 x 6	9	17	9	10			900
18 x 46	7700208...	WPYM	YPYM	SPYM	15 x 4	13	17	13	10			600
21 x 70	7700714...	WPYM	YPYM	SPYM	13 x 2	35	14	35	10			260
22 x 40	7700306...	WPYM	YPYM	SPYM	12 x 4	25	33	25	10			480
22 x 63	7700652...	WPYM	YPYM	SPYM	12 x 3	10,5	33	10,5	10			360
22 x 110	7700715...	WPYM	YPYM	SPYM	12 x 1	50	23	50	10			120
25 x 50	7700716...	WPYM	YPYM	SPYM	11 x 3	30	12	30	10			330
25 x 80	7700717...	WPYM	YPYM	SPYM	11 x 2	25	12	25	10			220
30 x 80	7700719...	WPYM	YPYM	SPYM	9 x 2	25	17	25	10			180
30 x 100	7700720...	WPYM	YPYM	SPYM	9 x 2	5	17	5	10			180
32 x 58	7700718...	WPYM	YPYM	SPYM	8 x 3	18	31	18	10			240
34 x 60	7700721...	WPYM	YPYM	SPYM	8 x 3	15	15	15	10			240
34 x 63	7700484...	WPYM	YPYM	SPYM	8 x 3	10,5	15	10,5	10			240
40 x 60	7700452...	WPYM	YPYM	SPYM	7 x 3	15	10	15	7			210
40 x 90	7700456...	WPYM	YPYM	SPYM	7 x 2	15	10	15	7			140
42 x 78	7700722...	WPYM	YPYM	SPYM	6 x 2	27	35	27	10			120

# LLS-ILS



M - Left margin  
N - Upper margin  
O - Right margin  
P - Lower margin



M - Left margin  
N - Upper margin  
O - Right margin  
P - Lower margin  
X - Horizontal spacing between labels  
Y - Vertical spacing between labels



Rectangular, square corners												
Size AxB mm	Type	white	yellow indoor	metallic grey	Row x Column	M	N	O	P	X	Y	Quantity
45 x 60	7700414...	WPYM	YPYM	SPYM	6 x 3	15	17	15	10			180
48 x 90	7700528...	WPYM	YPYM	SPYM	5 x 2	15	47	15	10			100
50 x 80	7700723...	WPYM	YPYM	SPYM	5 x 2	25	37	25	10			100
52 x 107	7700726...	WPYM	YPYM	SPYM	5 x 1	51,5	27	51,5	10			50
60 x 100	7700725...	WPYM	YPYM	SPYM	4 x 2	5	47	5	10			80
62 x 88	7700724...	WPYM	YPYM	SPYM	4 x 2	17	39	17	10			80
75 x 105	7700728...	WPYM	YPYM	SPYM	3 x 1	52,5	62	52,5	10			30
105 x 110	7700727...	WPYM	YPYM	SPYM	2 x 1	43,5	77	43,5	10			20
120 x 60	7700729...	WPYM	YPYM	SPYM	2 x 2	15	47	15	10			40
120 x 70	7700730...	WPYM	YPYM	SPYM	2 x 2	35	57	35	10			40
140 x 98	7700731...	WPYM	YPYM	SPYM	2 x 2	7	7	7	10			40

Square, square corners												
Size AxB mm	Type	white	yellow indoor	metallic grey	Row x Column	M	N	O	P	X	Y	Quantity
16 x 16	7702045...	WPYM	YPYM	SPYM	16 x 11	17	31	17	10			1.760
20 x 20	7702046...	WPYM	YPYM	SPYM	13 x 9	15	27	15	10			1.170
28 x 28	7702044...	WPYM	YPYM	SPYM	10 x 6	21	10	21	7			600
30 x 30	7702032...	WPYM	YPYM	SPYM	9 x 6	15	17	15	10			540
40 x 40	7702036...	WPYM	YPYM	SPYM	7 x 4	25	10	25	7			280
50 x 50	7702047...	WPYM	YPYM	SPYM	5 x 3	30	37	30	10			150
70 x 70	7702049...	WPYM	YPYM	SPYM	4 x 2	35	7	35	10			80
100 x 100	7702050...	WPYM	YPYM	SPYM	2 x 2	5	97	5	10			40

Rectangular, rounded corners												
Size AxB mm	Type	white	yellow indoor	metallic grey	Row x Column	M	N	O	P	X	Y	Quantity
275 x 190	7703058...	WPYM	YPYM	SPYM	1 x 1	10	12	10	10			10

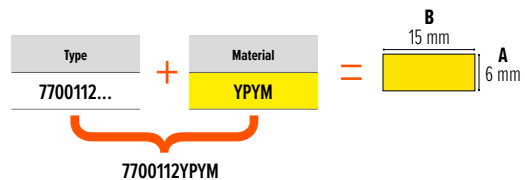
  

Circular												
Ø	Type	white	yellow indoor	metallic grey	Row x Column	M	N	O	P	X	Y	Quantity
Ø 16	7704002...	WPYM	YPYM	SPYM	14 x 10	7	10	7	10	4	4	1.400
Ø 25	7704006...	WPYM	YPYM	SPYM	9 x 6	17,5	17	17,5	15	5	5	540
Ø 50	7704010...	WPYM	YPYM	SPYM	5 x 3	22	21	22	10	4	4	150

A4												
Size AxB mm	Type	white	yellow indoor	metallic grey	Row x Column	M	N	O	P	X	Y	Quantity
297 x 210	7706000...	WPYM	YPYM	SPYM								10

Example coding combination according to the dimensions and the material:



# CHART

## Terminal block marker cross reference chart

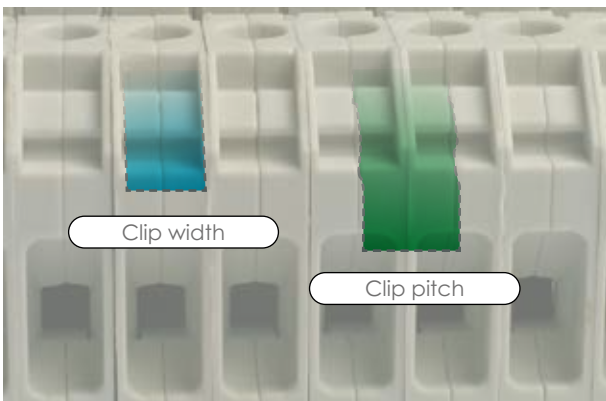


MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products, see cross reference chart to side.

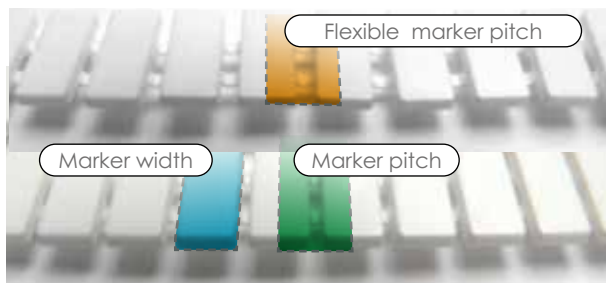
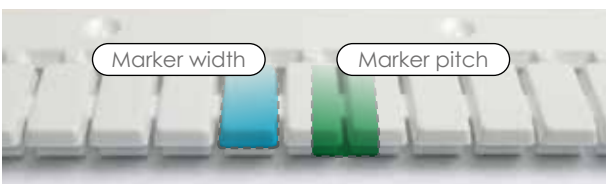
Depending on type, markers are presented as joined strips at a set or flexible pitch or as separate markers for convenient individual insertion on mixed pitch terminal block assemblies.

See markers on page 22

### TERMINAL BLOCK

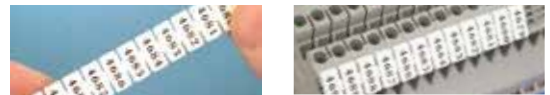


### MARKERS



### MARKERS APPLICATION

**M**



**MODULAR STRIP** Marker width is less than Clip width, while Marker width and Clip pitch are equal.

**MF**



**MODULAR FLEXIBLE STRIP** Marker width is less than Clip width, while Marker width and Clip pitch are equal.

**P**



**SINGLE CLIPS TO PITCH** Marker width is equal to Clip width and also Marker width and Clip pitch are equal.

**CP**



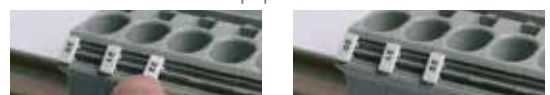
**SINGLE CLIPS COMPATIBLE TO PITCH** Marker width is less than Clip width, while Marker width and Clip pitch are equal.

**S**



**SINGLE CLIPS** Marker width is equal to Clip width, while Marker pitch is different to Clip pitch.

**C**



**SINGLE CLIPS COMPATIBLE** Marker width is less than Clip width, while Marker pitch is different to Clip pitch.

# CHART

## CEMBRE

	Markers mm						
	MG-CPM-01 41092 3x10	MG-CPM-01 41094 5x7	MG-CPM-01 41090N 5x10	MG-CPM-01 41095 6x10	MG-CPM-01 41096 8x10	MG-CPM-02 41190N 5x10	MG-CPM-12 46390 4.2x9
TBS2.5	P	P	M				
TBS2.5-BU	P	P	M				
TBS4	C	C		M			
TBS4-BU	C	C		M			
TBS6	C	C			M		
TBS6-BU	C	C			M		
TBS10	C	C					
TBS10-BU	C	C					
TBS16	C	C					S
TBS25	C	C					S
TBS35	C	C					C
TBS50	C	C					C
TBS70	C	C					C
TBS95	C	C					C
TBS2.5-L2	P	P	M				
TBS4-L2	C	C		M			
TBSG4-L2	C	C		M			
TBSG2.5	P	P	M				
TBSG4	C	C		M			
TBSG6	C	C			M		
TBSG10	C	C					
TBSG16	C	C					S
TBSG35	C	C					C
TBSG50	C	C					C
TBS2.5D	P					MF	
TBS4D	C						M
TBS6D				M			
TBS4F				M			
TBS4F-L2				M			
TBS4F-R				C	C		
TBP1.5	P						
TBP2.5	P	P	M				
TBP4	C	C		M			
TBP6	C	C		M			
TBP10	C	C					
TBP2.5X1-2	P	P	M				
TBP2.5X2-2	P	P	M				
TBP4X1-2	C	C		M			
TBP4X2-2	C	C		M			
TBPG2.5	P	P	M				
TBPG4	C	C		M			
TBPG6	C	C		M			
TBPG10	C	C					
TBPG2.5X1-2	P	P	M				
TBPG2.5X2-2	P	P	M				
TBPG4X1-2	C	C		M			
TBPG4X2-2	C	C		M			
TBP2.5-L2	P	P	M				
TBP2.5D	P	P	M				
TBP4D				M			
TBP4F				M			
ECL2		C	C				

## ALLEN BRADLEY\*

	Markers mm						
	MG-CPM-01 41094 5x7	MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41095 6x10	MG-CPM-01 41096 8x10	MG-CPM-02 41190N 5x10	MG-CPM-11 46392 6x2
1492-J3/JG3		P		P			
1492-J4/JG4		C	P	C	P		
1492-J6/JG6			C	P	C	C	
1492-J10/JG10			C	C	C	C	
1492-J16/JG16			C	C	C	C	
1492-J35/JG35			C	C	C	C	
1492-JD3	P	P		P			
1492-JD4		C	P	P			
1492-JD3C	P	P		P			
1492-JD4C		C	P	C			
1492-WTF3	P			P			

## ALLEN BRADLEY\*

	Markers mm						
	MG-CPM-01 41094 5x7	MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41095 6x10	MG-CPM-01 41096 8x10	MG-CPM-02 41190N 5x10	MG-CPM-11 46392 6x2
1492-WTS3	P						P
1492-J3P	P	P					P
1492-JD3P	P	P					P
1492-H...							C
1492-WFB4...							C
1492-JD3FB/JDG3FB	P						
1492-L2/LG2		P					
1492-L3/LG3			P				P
1492-L4/LG4			C	P			C
1492-L6/LG6					C	P	C
1492-L10/LG10				C	C	C	C
1492-L16/LG16					C	C	
1492-L35/LG35						C	
1492-LD3	P						
1492-LD4	P						
1492-LTF3	P						P
1492-LS2-3/LS2-4	P	P					P
1492-LS62-3/LS62-4	P	P					P
1492-LKD3	P	P					P
1492-L3P	P	P					P
1492-RFB4...							C
1492-RAFB4...							C
1492-LAFB6...							C

## BECKHOFF\*

	Markers mm			
	MG-CPM-01 41094 5x7	MG-CPM-12 46390 4.2x9	MG-CPM-15 5x6	MG-TAR 45098 7.5x40
KL 24 04	C	C		
KL 14 08	C	C		
KL 9010		C		
KL 9010			S	

## CABUR\*

	Markers mm						
	MG-CPM-03 47291 5x10	MG-CPM-02 47291 5x10	MG-CPM-04 41390N 5x10	MG-CPM-04 41391 6x10	MG-CPM-05 41490 5x10	MG-CPM-10 46392 5x12	MG-CPM-12 46390 4.2x9
ACB series	C	C	C				
CBD.2/4	S	P			P	M	
CBD.4/6	C	C	M		C	M	M
CBD.2/4/SH	S	S			P	M	
CBD.4/6/SH	C	C	M		C	M	M
CBD.6/10	C	CP			C	M	
CBD.10/6	C	C			C	M	
CBD.16/25	C	C			C	M	
CBD.35	C	C			C	M	
CBC.2/4	P	M	S		C	S	
CBC.4/6	C	C	M		C	C	M
CBC.35/50	C	C			C	C	
DAS.4/6...DAS.4/6/SS	C	C			C		
DSS.4/6	C	C	M		C	M	
CBR.2/4	P	M	S		S		
FVS.4/6	C	C	M		C	M	
FFS.4/6	C	C	M		C	M	
TLS.2/4	C	C			C		
TLE.2/4	C	C			C		
TLD.2/4	C	C			C		
TDE.2/4	C	C			C		
PCE.4/6/...	C	C	M		C	M	
PCE.4/X...	C	C			C		
SFR.4/6...SFR.4/6/C230	C	CP			C		
SFO.4/6...SFO.4/6/C230	C	CP	M		C	M	

APPENDIX

CABUR*			
	Markers mm		
	MG-CPM-03 41291 5x10	MG-CPM-03 41293 5x10	MG-CPM-04 41300N 5x10
	MG-CPM-04 41301 5x10	MG-CPM-05 41490 5x10	MG-CPM-10 46390 5x12
	MG-CPM-12 46390 4,2x8	STF-10 12810	
FPC.10/16	C	C	C
FPL.10/16...FPL.10/16/C230	C	C	C
SFR.4/D1A...SFR.4/D3A	C	CP	C
MPS.2/4/SW...MPS.2/4/SV	S	S	P
MPS.4/6...MPS.4/6/VS	C	C	C
SCB.4/6...SCB.8/10/CD	C	C	C
AFO.2/1+1...AFO.2/2+2/TP	C	C	C
PDF.2	C	C	C
FDP.2	C	C	C
CVF.4/6...CVF.4/6/TP	C	C	C
TC/PO	S	S	P
VPC.2/4	S	S	S
VPD.2/	S	S	S
GPM.95/BB...GPM.240/300/CC	C	C	C
GPA.70...GPA.240	C	C	C
ACB.70/BB...ACB.185/240/CC	C	C	C
BCA.70/BB...BCA.120/185/CC	C	C	C
MBL.50/6...MBL.150/12	C	C	C
TEO.2/4	S	S	P
TEO.4/6	C	C	M
CBE.2/4	P	M	S
TE.4/6/D...TE.50/D...TE.50/O	C	C	S
RN.1/2,5			
RN.2/4	P	M	S
RP.4/6	C	C	C
RFI.2	C	C	C
TR.2/4	P	M	S
TR.4/6	P	M	S
MAC.6/10...MAC.6/10/N	C	CP	C
CAM...CAM/C	C	CP	C
NCS	C	C	C
NCV	C	C	C
CNT.6...CNT.35	C	P	C
HMM.1/2,5...HMM.1/2,5/2+2			P M
HMM.2/4...HMM.6/10			C M
HTE.2/4...HTE.6/10			C
HMD.2N...HMD.2/4			C P
HMS.2/4			C
HMF.4/6...HMF.4/6/L115			C
EDM.2/4	S	S	P
EDM.4/6...EDM.70/50/BC	C	C	M
SV.2...SV.2/VS	S	S	P
SV.4/6...SV.10/16	C	C	C
CPS.4/6	C	C	C
SCX.10/16...SCX.10/16-PI	C	C	C
SFC.10/16	C	C	C
SFL.10/16	C	C	C
FLD.10/16/F5...FLD.10/16/D	C	C	C
VLM.10/16...VLM.10/16/O	C	C	C
VL.16...VL.16/O-M	C	C	C
TC/DIN	S	S	P
VNF.6/10...VNF.6/10/STP	C	C	C
CDA.70/BC...CDA.185/BB	C	C	C
BTU	C	P	C
BT/3	C	P	C
BT/2	C	P	C
BT/DIN/PO	C	P	C

CONNECTWELL*			
	Markers mm		
	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41090N 5x10
	MG-CPM-01 41091N 5x10	MG-CPM-03 41291 5x10	MG-CPM-03 41293 5x10
	MG-CPM-04 41300N 5x10	MG-CPM-04 41301N 5x10	MG-CPM-10 41395 5x10
	MG-CPM-10 41392 5x12	MG-CPM-12 46390 5x9	
CDB4/2(1)		S	S
CMC2-2		S	S
CGT6N		S	S
CSCG10T		S	S
CGT16N		S	S
AS2.5/4		S	S
CTU4U		S	S
CTS6UCR		S	S
CTS4UN		S	S
CT25UCR		S	S

CONNECTWELL*			
	Markers mm		
	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41090N 5x10
	MG-CPM-01 41091N 5x10	MG-CPM-03 41291 5x10	MG-CPM-03 41293 5x10
	MG-CPM-04 41300N 5x10	MG-CPM-04 41301N 5x10	MG-CPM-10 41395 5x10
	MG-CPM-10 41392 5x12	MG-CPM-12 46390 5x9	
CMD84/2		S	S
CSDL6U		S	S
CSC2.5T1-2		S	S
AS6		S	S
CT25U		S	S
CGT4UN		S	S
CGT10N		S	S
DDFL4UEL24V		S	S
DDFL4UEL		S	S
CSC2.5T2-2		S	S
CTS10U		S	S
AS4/3		S	S
CTS10USC		S	S
AS2.5/3		S	S
CENC16		S	S
DDFL4U		S	S
CTS2.5UNCR		S	S
CDTTU		S	S
CSC4T1-2		S	S
CKT4U		S	S
CSC4T2-2		S	S
CSCG4T		S	S
CTS6U		S	S
CSC4T		S	S
CSCG2.5T		S	S
CSFL6U		S	S
CENC35		S	S
CGT10U		S	S
CSDL4U		S	S
CSC6T		S	S
CGT4U		S	S
AS4/4		S	S
AS4		S	S
CTS4UNCR		S	S
CTS6USC		S	S
STH4		S	S
CTS16U		S	S
CSCG16T		S	S
CSCG1-2		S	S
CSC2.5T		S	S
ODL4U		S	S
CMC1-2		S	S
CDB6/2		S	S
ODL4UA		S	S
AS2.5		S	S
ADL2.5		S	S
CDB25/2		S	S
CTS25U		S	S
CDTTUSH		S	S
CTS35UN		S	S
CT35UCR		S	S
CTS10UCR		S	S
CMDB10/2		S	S
CTS25UN		S	S
CMDB6/2		S	S
CGT35U		S	S
CSC16T		S	S
CTS95U	S	S	S
CSC10T		S	S
CTS35U		S	S
CTS16UCR		S	S
CTS50U	S	S	S
CSFL4U		S	S
STH4DT		S	S
CDB10/2		S	S
ASF4		S	S
DDFL4UE24V		S	S
CSFL4UL24V		S	S
DDDL4U		S	S
DDFL4ULR		S	S
CTS4UNCR		S	S
CTS2.5UN		S	S
CMDB6/2		S	S
CTS2.5M	S		M
CTS45C	S		M
CTS6	S		M
CTS6SC	S		M
CTSSRNS	S		M

CONNECTWELL*									
	Markers mm								
	MG-CPM-01 410901	5x40	5x45	5x50	5x57	5x60	5x62	5x69	
CTS10SC								M	
CTS16				S				M	
CTS10				S				M	
CONTA CLIP*									
	Markers mm								
	MG-CPM-01 410901	5x40	5x45	5x50	5x57	5x60	5x62	5x69	
PK-TS 15/35	C	C	C	C	M				
ZRKG	C	C	C	C	M				
ZSLG	C	C	C	C	M				
ZSLN	C	C	C	C	M				
ZSRK	C	C	C	C	M				
ZVMAK	C	C	C	C	M				
ENTRELEC*									
	Markers mm								
	MG-CPM-01 410901	5x40	5x45	5x50	5x57	5x60	5x62	5x69	
BAM 3							S	S	
BADL						C			
CS-R1							S	S	
D 2.5/5.D		C				C		C	
D2.5/5.I						C			
D 2.5/6.D	P	C	C	C		C	C	C	M
D 6/8	C	C	C	C		C	C	C	M
D2.5-5.2L	P	S	S	S		C	S	C	M
D2.5-5P.4L	P	S	S	S		C	S	C	M
D2.2.5/6.DA (RC65)	P	S	S	S		C	S	C	M
D4/6 LNTF				C					M
D4-6 2L				C					M
D4-6P.2L				C					M
D6-8 2L	C	CP	CP	CP		C	CP	C	M
D6-8P.2L	C	CP	CP	CP		C	CP	C	M
DR/6						C			
MA2.5/5		C							
M 4/6...				C	C	M			
M 4/8				C	C				
M 6/8...				C	C				
M 6/9...				C	C				
M 10/10...				C	C				
M 16/12...				C	C				
M 35/16...				C	C				
MA 2.5/5 (RC510)	S	S	S	S	S	S		C	
MA 2.5/5D2 (RC510)	C	C	C	C	C	C		C	
PEAD									S
PEB									S
SNK serie									S
SNK serie ZS						S	S		
ZS4						S	S	P	
ZS6						S	S	S	
ZS10						S	S	S	
ZS16						S	S	S	
ZS35						S	S	S	
ZS70						S	S	S	
ZS95						S	S	S	
ZS4-R1						S	S	P	
ZS4-D2						S	S	P	
ZS4-D1						S	S	P	
ZS6-D2						S	S	P	
ZS6-D1						S	S	P	
ZS4-PE						S	S	P	
ZS6-PE						S	S	P	
ZS10-PE						S	S	S	
ZS16-PE						S	S	S	
ZS35-PE						S	S	S	
ZS70-PE						S	S	S	

ENTRELEC*									
	Markers mm								
	MG-CPM-01 410901	5x40	5x45	5x50	5x57	5x60	5x62	5x69	
ZS95-PE							S	S	S
ZS4-S							S	S	P
ZS4-S-T2							S	S	P
ZS4-S-T2.3							S	S	P
ZS4-S-R1							S	S	P
ZS4-S-T2-R1							S	S	P
ZS4-S-T2.3-R1							S	S	P
ZS4-SP							S	S	P
ZS4-SP-T2							S	S	P
ZS4-SP-R1							S	S	P
ZS4-SP-T2-R1							S	S	P
ZS4-S-R2							S	S	P
ZS4-S-R3							S	S	S
ZS4-SF							S	S	P
ZS4-SF-T2							S	S	P
ZS4-SF-R1							S	S	P
ZS4-SF-R3							S	S	P
ZS4-SF-R2							S	S	P
ZS4-SF-R4							S	S	P
ZS4-SF1							S	S	S
ZS4-SF1-T2							S	S	S
ZS4-SF1-R1							S	S	S
ZS4-SF1-R3							S	S	S
ZS4-SF1-R2							S	S	S
ZS4-SF1-R4							S	S	S
FINDER*									
	Markers mm								
	MG-CPM-03 41391	5x40	3x40	3x40	6x2				
38.51...		C	C						
38.52...				C					
38.61...		C	C						
38.62...				C					
38.31...				C					
38.21...		C	C						
38.41...				C					
38.81...		C	C						
39.11...				C					
39.20...				C					
39.31...				C					
39.81...				C					
39.91...				C					
48.61...				C					
58.32...				C					
58.33...				C					
58.34...				C					
93.02...				C					
93.03...				C					
93.21...		C	C						
93.61...				C					
93.62...				C					
93.68...				C					
094.91.3				C					
095.91.3				C					
77.01...				C					
78.50...				C					
80.01...				C					
83.01...				C					
83.41...				C					
KLEMSAN*									
	Markers mm								
	MG-CPM-01 410901	5x40	5x45	5x50	5x57	6x2	4,2x6		
WGD 1	C	C	C	C					
KD 3	C	C	C	C					





APPENDIX

PHOENIX CONTACT*											
		Markers mm									
		MG-CPM-03 41291	5x10	MG-CPM-04 41392	3x10	MG-CPM-04 41390N	5x10	MG-CPM-04 41395	5x10	MG-CPM-07 41691	5x10
UTK 35	C	C	C								
UXKK 4	C	C	C								
VBSN 4 FS ....	C	C	C								
VBST 4 FS / FS	C	C									
VIOK 1.5	C	P	C								
VIOK 1.5-2D	C	P	C								
VIOK 1.5-3D/PE	C	P	C								
VIOK 1.5-D/TG/D/PE	C	P	C								
VIOK 1.5-LA	C	P	C								
ZDIK 1.5											
ZFDK 2.5	C	C									
ZFDK -PE	C	C									
ZFK 1.5	P										
ZFK 2.5 - PE	C	C									
ZFK 2.5 - PE / L / N	C	C									
ZFK 2.5 - TWIN	C	C									
ZFK 2.5 - TWIN - PE	C	C									
ZFK 4	C	C									
ZFK 4 - PE	C	C									
ZFK 4 - TG	C	C									
ZFK 6	C	C									
ZFK 16	C	C									
ZFK 1.4	C	C									
ZFKK 2.5 (-MT)	C	C									
ZFKN 4	C	C									

SCHLEGEL*										
		Markers mm								
		MG-CPM-04 41392	3x10	MG-CPM-04 41390N	5x10	MG-CPM-04 41395	5x10	MG-CPM-07 41691	5x10	
IK...	P	P	P	P	P					

SCHNEIDER ELECTRIC*											
		Markers mm									
		MG-CPM-04 41390N	5x10	MG-CPM-04 41395	5x10	MG-CPM-04 41391	6x10	MG-CPM-04 41394	8x10	MG-CPM-07 41691	5x10
NSYTRV22 / PE	P	M									
NSYTRV42 / PE	C		M								
NSYTRV62 / PE	C			M							
NSYTRV102 / PE	C										
NSYTRV162 / PE	C										
NSYTRV352 / PE	C										
NSYTRV502 / PE	C										
NSYTRV702	C										
NSYTRV23 / PE	P	M									
NSYTRV24 / PE	P	M									
NSYTRV43 / PE	C		M								
NSYTRV44 / PE	C		M								
NSYTRV24D / PE	P	M									
NSYTRV44D / PE	C		M								
NSYTRV26T / PE	P	M									
NSYTRV26TC	P	M									
NSYTRV22SC	P	M									
NSYTRV22TB	P	M									
NSYTRV42SC	C		M								
NSYTRV42TB	C		M								
NSYTRV42SCD	C		M								
NSYTRV24SCD	P	M									
NSYTRV162SF5	C										
NSYTRV42SF5	C		M								
NSYTRV42SF6	C										
NSYTRV62TID	C										
NSYTRV62TIT / PE	C		M								
NSYTRV42NE	C		M								
NSYTRV62NE	C		M								
NSYTRV25LL / PE	P	M									
NSYTRV25NLP	P	M									

SCHNEIDER ELECTRIC*											
		Markers mm									
		MG-CPM-04 41390N	5x10	MG-CPM-04 41395	5x10	MG-CPM-04 41391	6x10	MG-CPM-04 41396	8x10	MG-CPM-07 41691	5x10
NSYTRV22M / PE	P	M									
NSYTRV42M / PE	C		M								
NSYTRR22 / PE	P	M									
NSYTRR23 / PE	P	M									
NSYTRR24 / PE	P	M									
NSYTRR42 / PE	C		M								
NSYTRR43 / PE	C		M								
NSYTRR44 / PE	C		M								
NSYTRR62 / PE	C			M							
NSYTRR63	C			M							
NSYTRR102 / PE	C										
NSYTRR162 / PE	C										
NSYTRR352 / PE	C										
NSYTRR24D / PE	P	M									
NSYTRR44D / PE	C		M								
NSYTRR26T / PE	P	M									
NSYTRR26TC	P	M									
NSYTRR22SC	P	M									
NSYTRR23SC	P	M									
NSYTRR22TB	P	M									
NSYTRR23TB	P	M									
NSYTRR42SC	C										
NSYTRR42TB	C										
NSYTRR24SCD	C										
NSYTRR22M / PE	P	M									
NSYTRR24M	C										
NSYTRR22MF	P										
NSYTRR24MF	C										
NSYTRR22MP	P										
NSYTRR24MP	C										
NSYTRP22 / PE	P	M									
NSYTRP23 / PE	P	M									
NSYTRP24 / PE	P	M									
NSYTRP42 / PE	C		M								
NSYTRP43 / PE	C		M								
NSYTRP44 / PE	C		M								
NSYTRP24D / PE	P	M									
NSYTRP26T / PE	P	M									

SIEMENS*										
		Markers mm								
		MG-CPM-04 41392	3x10	MG-CPM-04 41390N	5x10	MG-CPM-06 41591	5x10	MG-CPM-07 41691	5x10	STF-04 42804
8WH...	P	P	P							
8WA1 011-0DF21	C	S	S	M	MF	MF				
8WA1 011-0DG21	C	S	S	M	MF	MF				
8WA1 011-1BF23	C	S	S	M	MF	MF	M	M		
8WA1 011-1DF11	C	S	S	M	MF	MF	M	M		
8WA1 011-1DG11	C	S	S	M						
8WA1 011-2DG11	C	S	S	M						M
8WA1 011-3DF21	C	S	S	M						M
8WA1 011-3DG21	C	S	S	M						M
8WA1 011-1DH11	C	S	S	M			M			
8WA1 221	C	S	S	M			M			
8WA1 741-2X	C	S	S	M			M			
8WA2 011-1DF20	C	S	S	M			M			
8WA2 011-1DG20	C	S	S	M			M			
8WA2 011-1DH20	C	S	S	M			M			

WAGO*											
		Markers mm									
		MG-CPM-01 41032	3x10	MG-CPM-01 41030N	5x10	MG-CPM-01 41031N	5x15	MG-CPM-01 41034	5x7	MG-CPM-02 41190N	5x10
Top-Job 2000	C										
Top-Job 2001	C										
Top-Job 2002	C	C	S	C	S						
Top-Job 2003	C	C	S	C	S						



APPENDIX

WAGO*										
		Markers mm								
		MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41094 5x7	MG-CPM-02 41190N 5x10	MG-CPM-03 41291 5x10	MG-CPM-04 41390N 5x10	MG-CPM-12 46391 4,2x6	MG-CPM-12 46390 4,2x9
IDK 1.5	S		S	S	M					
IDK 1.5N	S	S	S	S	M					
IDK 1.5N/V	S	S	S	S	M					
IDU 1.5N	S	S	S	S	M					
IDU 2.5N	C	C	C	C	M					
IEK 1.5N	S	S	S	S	M					
IHK 1.5N	S	S	S	S	M					
IPE 1.5N	S	S	S	S	M					
WAGO I/O SYSTEM 750							P			
Serie 870/X-Com/TJS/264							P			

WEIDMÜLLER*										
		Markers mm								
		MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41094 5x7	MG-CPM-02 41190N 5x10	STF-01 42801 99gancio	MG-CPMF 43094 5,2x105	MG-FAR 45094 17x40	MG-FAR 45098 7,5x40
AKZ 4... / AKB 4...	C	C	C	C	C					
A4C....	C	C		C	C					
A2C 1.5	C									
AIO22.....	C	C		C	C					
DLA 2.5	P	C	C	C	C					
DLD 2.5	P	C	C	C	C					
DLI 2.5	P	C	C	C	C					
EK 2.5	C	C	C	C	C					
EK 6	CP	CP	CP	CP						
EK 10	C	C	C	C	C					
EK 16	C	C	C	C	C					
EK 35	C	C	C	C	C					
EW15	C	C	C	C	C					
EW35	C	C	C	C	C					
EWK1	C	C	C	C	C					
EWK2	C	C	C	C	C					
IAK 1.5N 3L	S	S	S	S	S					
IDK 1.5	P	S	S	S	S					
IDK 1.5N	P	S	S	S	S					
IDK 1.5N/V	P	S	S	S	S					
IDU 1.5N	P	S	S	S	S					
IDU 2.5N	P	P	C	C	C					
IEK 1.5N	P	S	S	S	S					
IHK 1.5N	P	S	S	S	S					
IPE 1.5N	P	S	S	S	S					
IPE 2.5N	C	C	C	C	C					
ITR 1.5N	S	S	S	S	S					
LP2N 5.08/06/90 3.2SN OR BX				C						
MAK 2.5	P	C	C	C	C					
Mak 2.5/VLI 1.5	P	C	C	C	C					
NT 4	C	C	C	C	C					
NT 6	CP	CP	CP	CP	CP					
NT 10	C	C	C	C	C					
NT 16	C	C	C	C	C					
PPV....	C	C	P	C	C					
SAI-M16 / M23 in SAI-M8	C	C	C	C	C					
SAK 2.5	P	C	C	C	C	M				
SAK 4	C	C	C	C	C	M				
SAK 6	CP	CP	CP	CP	CP	M				
SAK 10 (PA)	C	C	C	C	C	M				
SAK 16	C	C	C	C	C	M				
SAK 35	C	C	C	C	C	M				
SAK 70	C	C	C	C	C	M				
SAK 95	C	C	C	C	C	M				
SAKA 10	C	C	C	C	C	M				
SAKB 10	C	C	C	C	C	M				
SAKC 4	C	C	C	C	C	M				
SAKC 10	C	C	C	C	C	M				
SAKD 2.5 N	P	S	S	S	S	M				
SAKG 28	C	C	C	C	C	M				
SAKG 32	C	C	C	C	C	M				
SAKG 40	C	C	C	C	C	M				
SAKG 46	C	C	C	C	C	M				
SAKG 54	C	C	C	C	C	M				
SAKG 70	C	C	C	C	C	M				
SAKR	C	C	C	C	C	M				
SAKRD	C	C	C	C	C	M				
SAKS 1	C	C	C	C	C	M				

WEIDMÜLLER*										
		Markers mm								
		MG-CPM-01 41092 3x10	MG-CPM-01 41090N 5x10	MG-CPM-01 41091N 5x15	MG-CPM-01 41094 5x7	MG-CPM-02 41190N 5x10	STF-01 42801 99gancio	MG-CPMF 43094 5,2x105	MG-FAR 45094 17x40	MG-FAR 45098 7,5x40
SAKS 2	C	C	C	C	C	M				
SAKS 3	C	C	C	C	C	M				
SAKS 4	C	C	C	C	C	M				
SAKS 5	C	C	C	C	C	M				
SAKT 1	CP	CP	CP	CP	CP	M				
SAKT 2	CP	CP	CP	CP	CP	M				
SAKT 4	C	C	C	C	C	M				
SCHT5								S		
SCHT55									S	
SS 6	C	C	C	C	C					
SS 8	C	C	C	C	C					
SS 10	C	C	C	C	C					
SS 12	C	C	C	C	C					
TOP 2.5	P	C	C	C	C					
TOP 4	C	C	C	C	C					
TRZ24VDC										
VLI 2.5	P	C	C	C	C					
WDK 2.5	P	S	S	S	S					
WDK 2.5 800V	P	C	C	C	C					
WDK 2.5N	P	S	S	S	S					
WDK 4N	C	C	C	C	C					
WDL 2.5	P	C	C	C	C					
WDL 2.5 / S	P	C	C	C	C					
WDT 1.5	P	C	C	C	C					
WDTR 2.5	P	C	C	C	C					
WDU 1.5	P	S	S	S	S					
WDU 1.5 BLA	P	S	S	S	S					
WDU 1.5 LD/BLA	P	S	S	S	S	M				
WDU 1.5/BLZ 5.08	P	S	S	S	S	M				
WDU 1.5/BLZ R7.62	P	S	S	S	S	M				
WDU 1.5/BLZ/LD/5.08	P	S	S	S	S	M				
WDU 1.5ZZ	P	S	S	S	S	M				
WDU 2.5	P	S	S	S	S	M				
WDU 2.5 F	P	S	S	S	S	M				
WDU 2.5 FF	P	S	S	S	S	M				
WDU 2.5 N	P	S	S	S	S	M				
WDU 2.5 TC	P	S	S	S	S	M				
WDU 2.5/1.5ZZ	P	S	S	S	S	M				
WDU 4	C	C	C	C	C	M				
WDU 4N	C	C	C	C	C	M				
WDU 6	C	C	C	C	C	M				
WDU 10	C	C	C	C	C	M				
WDU 10SL	C	C	C	C	C	M				
WDU 16	C	C	C	C	C	M				
WDU 35 N	C	C	C	C	C	M				
WDU 70/95	C	C	C	C	C	M				
WDU 95N	C	C	C	C	C	M				
WDU 120/150	C	C	C	C	C	M				
WDU 240	C	C	C	C	C	M				
WEV 35/2	C	C	C	C	C	M				
WFF 35	C	C	C	C	C	M				
WFF 70	C	C	C	C	C	M				
WFF 120	C	C	C	C	C					
WFF 185	C	C	C	C	C					
WFF 300	C	C	C	C	C					
WKF:MG-CPM-04										
WIN BLOCK	C	C	C	C	C					
WNT 2.5	P	S	S	S	S					
WNT 4	C	C	C	C	C					
WNT 6	C	C	C	C	C					
WNT 10	C	C	C	C	C					
WPE 1.5	P	S	S	S	S					
WPE 1.5/ZZ	P	S	S	S	S					
WPE 2.5	P	S	S	S	S					
WPE 2.5/1.5/ZR	P	C	C	C	C					
WPE 4	C	C	C	C	C					
WPE 6	C	C	C	C	C					
WPE 10	C	C	C	C	C					
WPE 16	C	C	C	C	C					
WPE 35	C	C	C	C	C					
WSI 6	C	C	C	C	C					
WSI 6/2	C	C	C	C	C					
WTL 6/1	C	C	C	C	C					
WTL 6/2	CP	CP	CP	CP	CP					
WTR 2.5	P	C	C	C	C					
ZBLD 2.5/1.5	C	P	C	C	C					
ZDK 2.5/1.5	C	P	C	C	C					
ZDK 2.5/1.5 DU-PE	C	P	C	C	C					
ZDK 2.5/1.5 N-PE	C	P	C	C	C					

WEIDMÜLLER*				
	Markers	mm		
		3x0	5x0	5x5
	MG-CPM-01-41092	MG-CPM-01-41090N	MG-CPM-01-41091N	MG-CPM-01-41094
	3x0	5x0	5x5	5x7
	MG-CPM-02-41900	MG-CPM-02-41900N	MG-CPM-02-41901N	MG-CPM-02-41904
	STF-01-4280T	aggancio	5,2x05	
	MG-CPMF	43094	5,2x05	
	MG-IR	45094	17x40	
	MG-IR	45098	7,5x40	
ZDK 2.5/1.5 V / E	C	P	C	C
ZDK 2.5/1.5/E	C	P	C	C
ZDK 2.5/1.5/E BL	C	P	C	C
ZDK 2.5/1.5/LD/1	C	P	C	C
ZDK 2.5/1.5/LD/2	C	P	C	C
ZDK 2.5/1.5/N-PE/E	C	P	C	C
ZDK 2.5/1.5D1...6	C	P	C	C
ZDK 2.5/1.5N-DU	C	P	C	C
ZDK 2.5/1.5N-DU/E	C	P	C	C
ZDK 2.5/1.5N-DU-PE/E	C	P	C	C
ZDK 2.5/1.5PE	C	P	C	C
ZDK 2.5/1.5V	P	C	C	C
ZDKB	C	C	C	C
ZDKS	C	C	C	C
ZDLD 2.5 / 1.5	P	C	C	C
ZDLD 2.5 / 1.5 V	P	C	C	C
ZDU 1.5				
ZDU 2.5 2.5/10	P	C	C	C
ZDU 2.5/2x2AN	P	C	C	C
ZDU 2.5/2x2AN (E) BL	P	C	C	C
ZDU 2.5/2x2AN/10	P	C	C	C
ZDU 2.5/2x2AN/D	P	C	C	C
ZDU 2.5/2x2AN/E	P	C	C	C
ZDU 2.5/2x2AN/LD	P	C	C	C
ZDU 2.5/3AN	P	C	C	C
ZDU 2.5/3AN (E) BL	P	C	C	C
ZDU 2.5/3AN/10	P	C	C	C
ZDU 2.5/3AN/E	P	C	C	C
ZDU 2.5/4AN	P	C	C	C
ZDU 2.5/4AN (E) BL	P	C	C	C
ZDU 2.5/4AN/10	P	C	C	C
ZDU 2.5-2/3	P	C	C	C
ZDU 2.5-2/3AN (E) BL	P	C	C	C
ZDU 2.5-2/4AN (E)	P	C	C	C
ZDU 2.5-2/3AN (E) BL	C	C	C	C
ZDU 2.5-2/4AN (E)	C	C	C	C
ZDU 2.5-2/4AN (E) BL	P	C	C	C
ZDU 2.5 (E)	P	C	C	C
ZDU 2.5 (E) BL	P	C	C	C
ZDU 2.5-2	P	C	C	C
ZDU 4	C	C	C	C
ZDU 6	CP	CP	CP	
ZDU 10 NT	C	C	C	
ZDU 16 16/3AN	C	C	C	
ZDU 35	C	C	C	
ZDUA 2.5-2 (E)	P	C	C	
ZDUA 2.5-2 (E) BL	P	C	C	
ZDUB 2.5 / 2-2/4AN	P	C	C	
ZDUB 2.5 / 2AN	P	C	C	
ZDUB 2.5-2/2AN	P	C	C	
ZIA 1.5/....	C	C	C	
ZK3S	C	C	C	
ZKB	C	C	C	
ZKS	C	C	C	
ZPE 2.5/4AN	P	C	C	
ZPE 2.5	P	C	C	
ZPE 2.5/3AN	P	C	C	
ZPE 2.5/3AN/E	P	C	C	
ZPE 2.5/4AN	P	C	C	
ZPE 2.5/4AN/E	P	C	C	
ZPE 2.5/E	P	C	C	
ZPE 2.5-2 (E)	P	C	C	
ZPE 2.5-2/3AN	P	C	C	
ZPE 2.5-2/3AN/E	P	C	C	
ZPE 2.5-2/4AN	P	C	C	
ZPE 35	C	C	C	
ZPEA -2/E	C	C	C	
ZRV 1.5	P	C	C	
ZRV 1.5PE	C	C	C	
ZSI 2.5	P	C	C	
ZSI 2.5/2	P	C	C	
ZSLD 2.5/1.5	P	C	C	
ZTR 2.5	P	C	C	
ZTR 2.5 D	P	C	C	
ZTR 2.5/3AN	P	C	C	
ZVL 1.5 .....	P	C	C	

WIELAND*				
	Markers	mm		
		3x0	5x0	5x5
	MG-CPM-05-41490	MG-CPM-05-41494	STF-05-42805	
	3x0	5x0	5x5	
WT 2,5	P	M	M	
WT 4	C	C	M	
WT 6	C	C	M	
WT 10	C	C	M	
WT 16	C	C	M	
WTP 2,5/4	P	M	M	
WTP 6/10	C	C	M	
WK 2,5/ U	P	M	M	
WK 4/ U	C	C	M	
WK 6/ U	C	C	M	
WK 8/ U	C	C	M	
WK 10/ U	C	C	M	
WK 25/ U	C	C	M	
WK 35/ U	C	C	M	
WKFN 16/35	C	C	M	
WKFN 2,5 D	C	C	M	

WOERTZ*				
	Markers	mm		
		3x0	5x0	5x5
	MG-CPM-01-41092	MG-CPM-01-41090N	MG-CPM-02-41900	MG-CPM-01-41094
	3x0	5x0	5x5	5x7
	MG-CPM-11-46392	MG-CPM-11-46392	MG-CPM-11-46392	MG-CPM-11-46392
30544 / 4 V	C	C	C	C
30544 / 6 V	C	C	C	C
30544 / 10 V	C	CP	CP	C
30800	C	C	C	C
30840				C
30841	C	C	C	C
30842	C	C	C	C
30843	C	C	C	C
30844	C	C	C	C
3430	C	C	C	C
35310/4V	C	C	C	C

\* The trademark belongs to the respective Company and is used in this document only to purpose the identification of the respective technical characteristics and compatibility with the products manufactured by CEMBRE.

# QUALITY

## INDELIBILITY

### CEI EN 60950-1

Information technology equipment - Safety  
Part 1: General requirements  
§ 1.7.11 Durability

Compliance is checked by inspection and by rubbing the marking by hand for 15 s with a piece of cloth soaked with water and again for 15 s with a piece of cloth soaked with Hexane.

After this test, the marking shall be legible; it shall not be possible to remove marking plates easily and they shall show no curling.

### CEI EN 61010-1 Ed.2 equivalent to VDE 0411-1

Safety indications for electric devices  
for measurement, control and laboratory use  
Part 1: General indications

This regulation requires that both material and the print shall withstand cleaning with chemical agents commonly used in industry.

By rubbing manually by hand, without excessive pressure, for 30 seconds with a cloth soaked in the specific detergent or, if not specified, Isopropyl Alcohol.

## CEMBRE INTERNAL TEST

This test was created to simulate cleaning with chemical products commonly used on various surfaces.

By wiping with a cloth soaked in 95% Ethanol 30 times and making a visual inspection after every 10 passes.

## SALINE MIST

### UNI EN ISO 9227

Environmental Testing  
Part 2: Tests - Test Ka: Salt mist

The test methods listed by the standard are the following:

- Concentration of  $50 \pm 5$  g/l of Sodium Chloride;
- pH of the solution between 6.5 and 7.2;
- Temperature inside the cabin  $35 \pm 2^\circ\text{C}$ .

Self-adhesive media are applied to plastic surfaces, while cable markers are applied to cables with PVC insulation.

After the test, the samples must undergo a visual examination and, if necessary, electrical and mechanical controls as required by appropriate regulations. At the end of the test, the print should still be legible.

## Test methods

conforming to the edition of the standard current at the time of testing

## RESISTANCE TO SOLVENT VAPOUR

### CEI EN 60464-2

Resistance to solvent vapour is verified by the condition of the test sample following exposure.

The standard requires the sample to be placed in a container of the specified solvent.

The test samples must be suspended vertically with the lower edge around

150 mm above the surface of the test solvent. During the exposure, the liquid must not evaporate completely and, if necessary, must be topped up. The temperature of the test solvent must be  $23 \pm 2^\circ\text{C}$  and the duration of exposure must be  $168\text{h} \pm 1$  (seven days). After removal from the container, each test sample must be examined to determine whether there has been any change in appearance, loss of adherence of the sub layer, exfoliation, detachment, bulging or other signs of deterioration.

Solvents used by CEMBRE are: Acetone (not for PVC material), Ethanol, Hexane

Excepting PET transparent material.

## RESISTANCE TO ABRASION

### DIN 30643

This standard specifies a test method to determine resistance to rubbing and abrasion of printed flat surfaces that are exposed to mechanical forces such as rubbing and chemical stresses such as cleaning fluids.

After testing the print should be legible to the naked eye.

The following materials printed with the MG2-EPTR 991611 Premium Black Ribbon are certified DIN 30643-A-S-3:

- Rigid flat White PVC  
MG-TAP, MG-TAA, MG-TAR, MG-DOG, MG-PTS, MG-PTSA, MG-ETF, MG-TPMF, MG-TAPW, MG-PLC, MG17.5-R, MG2-17.5-R, MG17.5-A, MG2-17.5-A, MG-VRT-R, MG2-VRT-R, MG-VRT-AH, MG2-VRT-AH, MG-SIGNS-A, MG-CPMF.
- Rigid flat White Polycarbonate  
MG-TAA-HF, MG-TAP-HF, MG-PTS-HF, MG-PTSA-HF, MG-ETF-HF, MG-TPMF-HF, MG-DOG-HF, MG-VRT-A-HF, MG2-VRT-A-HF, MG-VRT-AH-HF, MG2-VRT-AH-HF
- White Polycarbonate  
MG-CPM, MG-TDM, MG2-TDMO
- White PVC film  
MG-VYT, MG2-VYT, MG-17.5-VY, MG-17.5-SB, MG-SIGNS-VY, MG-CPMFA
- White Polyester film  
MG-PYT, MG-17.5-PY, MG-SIGNS-PY
- Yellow PVC coated fabric  
MG-VCT

**UV RESISTANCE**

## UNI EN ISO 4892-2

Methods of exposure to laboratory light sources  
Part 2: Xenon arc lamps

- Exposure to artificial laboratory light, in Solarbox model 1500E.
- The properties of the material and the legibility of the print are verified after the test.
- Temperature of black panel:  $65^{\circ}\text{C} \pm 3^{\circ}\text{C}$
- Exposure: continuous
- Radiation:  $550 \text{ W/m}^2$
- Xenon 1500 W lamp
- Borosilicate 280 mm filter (outdoor)
- External testing temperature:  $20^{\circ}\text{C} \pm 5^{\circ}\text{C}$

**EFFECT OF AGEING**

## CEI 16-7

Elements to identify terminals and cable endings  
Paragraph 7.4 Thermal tests

20 samples per type and size are used, applied on cylindrical steel barrels approx. 100 mm long: 10 of the minimum diameter and 10 of the maximum diameter of the cable used with the element. The samples are then located in a climatic chamber and held for 5 hours at the maximum usage temperature expected, then left to cool to room temperature.

At the end of the test, all of the samples should show substantial dimensional stability. None of the samples, especially those in temperature regulating material, should have breaks or cracks.

Small deformations are allowed. Where applicable, it should be possible to remove and replace elements tested in holders.

Conformity is verified by visual examination.

**EFFECT OF IMMERSION IN LIQUID CHEMICALS**

## UNI EN ISO 175

## Test methods to determine the effects of immersion in chemicals

The standard specifies methods for exposing plastic test samples to liquid chemical agents and for determining changes in characteristics caused by this exposure. It includes the immersion test for 24 hours of the entire surface of the test sample and applies to all solid plastic materials, submitted in the form of printed or extruded materials, plates, pipes, bars or sheets with a thickness greater than 0.1 mm.

The test samples are completely immersed in a test liquid for a specified time and temperature.

Their characteristics are determined before immersion, after removal from the liquid and after drying.

The test methods specified are the following:

- Changes in mass, dimensions and appearance, immediately after removal from the liquid and after drying
- Change in the physical characteristics (mechanical, thermal, optical, etc.) immediately after removal from the liquid and after drying.
- The quantity of liquid absorbed.

Chemicals used by CEMBRE: Hydrochloric acid, Nitric acid, Hydrofluoric acid

Standard test methods carried out by CEMBRE.  
For tests carried out on specific media,  
datasheets are available upon request or via our website.

**1. GENERAL TERMS**

- 1.1. For the purpose of these GENERAL TERMS AND CONDITIONS OF SALE (the "Terms and Conditions"), the following definitions shall apply:
  - «Seller»: CEMBRE S.p.A. and its affiliates;
  - «Affiliate»: any entity directly or indirectly, through one or more intermediaries, controlling, controlled by, or under common control with CEMBRE S.p.A.;
  - «Buyer»: any professional or entrepreneur purchasing the Products from the Seller;
  - «Products»: the goods manufactured and/or sold by the Seller;
  - «Order(s)»: each proposal for the purchase of the Products submitted by the Buyer to the Seller in writing;
  - «Sale(s)»: each single sale agreement entered into further to the receipt by the Buyer of the written order confirmation of the Seller.
- 1.2. These Terms and Conditions govern the sale of equipment, components, parts, and materials (the "Products") supplied by the Seller to the Buyer. Any specific supply agreement, order confirmation, quotation, these Terms and Conditions and the purchase order form the Sales Agreement ("Agreement") between the parties. In the event of a conflict between these documents, precedence shall apply in accordance with the order listed in the previous sentence.
- 1.3. CEMBRE's quotation, proposal or order confirmation is conditional on the Buyer's acceptance of these Terms and Conditions. Buyer's silence or acceptance/use of the Products or services related to any purchase order shall constitute tacit approval of these Terms and Conditions.
- 1.4. Any additional or conflicting terms included in the Buyer's request for quotation/proposal, specifications, purchase order or any other written or oral communication are not binding on CEMBRE unless separately signed by CEMBRE. CEMBRE's failure to object to Buyer's additional or conflicting terms (including the Buyer's Terms and Conditions of Purchase) does not operate as a waiver of any terms contained herein.

**2. ORDERING PROCEDURES**

- 2.1. Offers of the Seller are not binding. This shall also apply if the Seller has provided the Buyer with catalogs, technical documentation (e.g. drawings, plans, calculations, calculations, references to DIN standards), other product descriptions or documents - also in electronic form - to which the Seller reserves property rights and copyrights pursuant to Clause 8.
- 2.2. Unless otherwise agreed, the information in offers and order confirmations shall refer to the contents of the respectively valid price lists, catalogs or other documents - also in electronic form, including technical data sheets, of the Seller.
- 2.3. All orders must be sent in writing and include all the details for a correct identification of the Products and Services requested. The minimum order amount is € 250.
- 2.4. The order is an irrevocable proposal to buy, but it is accepted by the Seller only following order acknowledgement / confirmation or execution.
- 2.5. The Buyer may request in writing to cancel or modify the order only prior to its execution and the Seller may at its own discretion accept or reject such request. Only cancellations and modifications expressly accepted by the Seller in writing shall be valid and effective.

**3. PRICING AND PAYMENT TERMS**

- 3.1. Unless otherwise specified in writing, Seller's quotations have a 30-day validity, after which they will automatically expire.
- 3.2. Prices quoted in price-lists and marketing materials are not binding and cannot be considered a "public offer". Unless otherwise agreed in writing, prices are always quoted based on delivery term FCA (Incoterms latest version) net of any applicable statutory value added /goods and services tax and of any applicable taxes and duties.
- 3.3. The Seller reserves the right to update the price-list without prior notice; the new release of the price-list will apply to all the Orders placed after the date such new release is issued and sent to the Buyer. Invoices will be issued in accordance with the prices in force on the date of the order confirmation or as otherwise agreed in specific supply agreements.
- 3.4. In the event of late payment, the Seller will have the right to charge overdue interest in accordance with the provisions of law no. 231/2002. Any further claim for damages caused by delay shall remain unaffected.
- 3.5. In the event of payment arrears, suspension of payments and if circumstances become known which are likely to reduce the creditworthiness of the customer, the Seller shall be entitled, after having granted a period of grace, to declare all claims arising from the entire business relationship with the customer immediately due for payment. Discount agreements, rebates and the like shall be deemed forfeited in this case.
- 3.6. Failure to pay or delayed payments above 30 days also entitle the Seller to suspend the delivery of the Products and terminate every single Sale entered into. The suspension of the delivery of the Products or the termination of any Sale shall not entitle the Buyer to claim for any compensation.
- 3.7. Any complaints regarding the Products and/or their delivery shall not be grounds for suspending or delaying the payment.
- 3.8. In the event of default or risk of insolvency concerning the Buyer, the Seller will be entitled to:
  - demand payment in advance or suitable guarantees; and/or
  - suspend deliveries; and/or
  - demand immediate payment of all the invoices already issued, regardless of the payment term therein indicated; and/or
  - terminate any existing sale agreement.

**4. DELIVERY**

- 4.1. Except as otherwise agreed upon in writing between the parties, the Seller shall deliver the Products FCA its premises (INCOTERMS latest version). If required, the Seller shall take care of the shipment of the Products at the Buyer's costs and expenses. In this last case delivery shall be considered to have taken place when the Products are transferred to the forwarder.
- 4.2. In case of missing or damaged goods during transport, the Buyer must formulate all the necessary reservations on the delivery note of said goods at the time of delivery. Such reservations must also be confirmed in writing to the Seller within 48 hours of the date of the delivery, by registered mail with return receipt.
- 4.3. The Seller cannot be held liable for delays in deliveries in the following circumstances:
  - acts of God or other extraordinary events beyond reasonable control, resulting in interruption of the manufacturing process, including shortage of energy and/or raw materials, pandemics strikes, embargoes or trade restrictions;
  - delays due to the Buyer, particularly when the Buyer failed to provide the information required to execute the order;
  - overdue payments, pursuant to arts. 1460 and 1461 of the Civil Code.
- 4.4. Penalties for late delivery may be charged by the Buyer only when expressly agreed in a specific supply agreement, and in any case up to a maximum amount equal to the price of the delayed delivery.
- 4.5. The Buyer shall not reject partial deliveries or late deliveries. All costs resulting from the rejection of goods will be charged to the Buyer. Excess deliveries for the purpose of rounding up to the packing quantity shall be deemed to be contractual performance and shall be paid by Buyer.
- 4.6. Goods returned at the request of the Buyer can only be accepted if the Seller has agreed in writing. The returned parts must be in their original packaging, come from the current product range and be in saleable condition. The return shipment must be carriage paid and at the risk of the Buyer. From the purchase price to be refunded, a depreciation fee will be deducted based on the actual conditions of the goods, their age and original price. Depreciation shall not apply to goods returned under section 5 and 6 hereinafter, provided that the return was authorized by the Seller. Custom-made products or articles which are not included in the current catalogue will not be taken back. Returned goods that are not accepted by the Seller will be shipped back to Buyer or scrapped at the Buyer's choice (freight paid by the Buyer).
- 4.7. In the event of modifications to the order requested by the Buyer, the delivery deadline will automatically be extended for the time necessary to implement the required modification.

**5. CONFORMITY**

- 5.1. Complaints about apparent defects or non-conformity of the product delivered in relation to the purchase order or the packing slip must be notified to the Seller in writing within 48 hours after receipt of the products, subject to forfeiture. The Buyer loses the right to claim if the goods are not inspected immediately after delivery.
- 5.2. In the absence of a specific agreement on quality, the features contained in a specification, a product-specific technical data sheet or an equivalent description by the Seller shall be deemed to be the relevant quality. Insignificant deviations shall not constitute a defect.
- 5.3. All actions regarding non-conformities detected by the Buyer must be agreed upon in advance with the Seller's quality department; in particular, the Buyer must not charge any costs not agreed upon in advance between the Parties.

**6. WARRANTY AND LIABILITY**

- 6.1. Unless otherwise agreed upon in writing, the Seller warrants that the Products are free from defects in material, design and manufacturing and fit for use. No guarantee is given herein by the Seller on the conformity of any Product with the law and regulations in countries outside EU and the UK. No other warranties, express or implied, are made with respect to the Products including, but not limited to, any implied warranty of merchantability or fitness for a particular purpose.
- 6.2. Unless otherwise agreed upon in writing, the warranty shall be valid for a period of one year from the date of delivery to the Buyer. Warranty is provided only on tools or machines with a serial number or other identification number that allows traceability. The warranty is, however, excluded if the Products have already been processed by the Buyer or incorporated in products, machinery or plants of the Buyer or of third parties.
- 6.3. Claims for defective Products shall be made in writing within eight working days from discovery.
- 6.4. The defective Products shall be returned to the Seller at the Buyer's cost upon Seller's request. The Seller's sole obligation (and Buyer's sole remedy) for any breach of warranty under the foregoing warranty shall be to repair (at location designated by Seller) or replace DAP the original point of delivery the defective goods, within a reasonable time. The Buyer will waive any claim for damage compensation once the warranty has been fulfilled and the Product has been repaired or replaced. The warranty shall not cover defects due to environmental or stress testing, misuse, failure to observe the Seller's instructions regarding the functioning, maintenance and the storage of the Products, repairs or modifications made by the Buyer or a third party without prior written authorization of the Seller, improper installation, transportation or handling.
- 6.5. Direct interventions on site are not included in the warranty; if expressly requested by the Buyer they are subject to charge, according to the Seller's tariffs.
- 6.6. Warranty repair/replacements may be suspended in the event of insolvency of the Buyer or overdue invoices.
- 6.7. Save for the case of fraud or gross negligence, the Seller shall bear no liability for damages to property or third parties other than that expressly provided by virtue of any mandatory law provisions. In any case, the Seller shall not be liable for indirect or consequential damages of whatsoever nature as, by way of example, production losses or unearned profits. In any case, Buyer's right to damages shall be limited to a maximum amount equal to the value of the Products showing defects or faults.
- 6.8. The Seller shall bear no liability for damages to property or third parties other than that expressly provided by virtue of any mandatory law provisions. The Seller will not, under any circumstances, be liable for the cost of removal or reinstallation of goods or the cost of disassembly or reassembly or for loss of business or goodwill or profits or for cost of inspection or storage or for any incidental and consequential damages of any nature which may arise from the sale of goods to the Buyer. When liability cannot be excluded by virtue of mandatory law provisions, Buyer's right to damages shall in any case be limited to a maximum amount equal to the value of the Products showing defects or faults.
- 6.9. The Seller has taken out suitable insurance policies covering general liability in connection with the Products.

**7. EXPORT CONTROL REGULATIONS**

- 7.1. CEMBRE shall not be obligated to fulfil this agreement if such fulfilment is prevented by any impediments arising out of national or international foreign trade or customs requirements or any embargoes or other sanctions or restrictions.
- 7.2. If the Buyer transfers the goods to a third party, the Buyer shall comply with all applicable national and international (re-) export control regulations.
- 7.3. The Buyer shall cooperate with the Seller to provide the information concerning end users, destination and intended use of goods supplied by CEMBRE, in case this is necessary due to customs control activities or export control regulations.
- 7.4. Violations of this section 7 shall entitle the Seller to terminate any existing sale agreement at any time without notice.

**8. INTELLECTUAL PROPERTY, CONFIDENTIALITY AND PRIVACY**

- 8.1. The use of CEMBRE trademarks is governed by the General Terms and Conditions, published on the website <https://www.cembre.com/group/termsandconditions>, which the Buyer is obliged to comply with. It is prohibited to relabel and repackage the Products without CEMBRE's written authorization.
- 8.2. Each party will retain ownership of its Intellectual Property developed before or outside the scope of the sale agreement. If any Intellectual Property is developed under the sale agreement, the parties shall execute a separate agreement regarding the ownership thereof.
- 8.3. Seller expressly reserves the copyright to its catalogues, technical documentation (e.g. drawings, plans, calculations, data sheets), other product descriptions or documents - also in electronic form. The Buyer is only granted a non-exclusive right of use.
- 8.4. All drawings and technical documents relating to the Products submitted by one party to the other shall remain exclusive property of the submitting party and can only be used for the purpose for which they were provided. The receiving party is not allowed to use such documents otherwise, to procure copies thereof, to reproduce and to disclose them to a third party without consent of the submitting party. The end user of the Products shall not be deemed as a third party for the purpose of this section.
- 8.5. Any liability of the Seller is excluded if the Buyer is responsible for the infringement of property rights, in particular because he has modified the object of performance, used it in breach of contract or taken it to a place other than the place of destination without the Seller's consent.
- 8.6. If the Seller manufactures goods according to drawings, samples or other information provided by the Buyer (OEM products) and if the property rights of third parties are infringed in the process, the Buyer shall indemnify the Seller from all claims for damages resulting from this.
- 8.7. The Seller warrants that the personal data received from the Buyer will be processed in full compliance with the applicable data protection regulations.
- 8.8. Violations of this section 8 shall entitle the Seller to terminate any existing sale agreement at any time without notice.

**9. APPLICABLE LAW AND JURISDICTION**

- 9.1. The place of performance for the delivery together with any subsequent performance on the part of the Seller is the Seller's registered office.
- 9.2. Place of jurisdiction is the registered office of the Seller. The Seller is also entitled to take legal action at the Buyer's registered office.
- 9.3. The legal relations between the Seller and the Buyer shall be governed by Italian law to the exclusion of the U.N. Convention on the International Sale of Goods (CISG).
- 9.4. The Buyer acknowledges that the CEMBRE Group has adopted a Code of Ethics and an Anti-Corruption Policy and undertakes to comply with the provisions of such documents, available at [www.cembre.com](http://www.cembre.com), abstaining from any unlawful conducts. Failure to comply with any of the provisions of the Code of Ethics and/or of the Anti-Corruption Policy will result in a serious breach of contractual obligations and will entitle CEMBRE to terminate the contract with immediate effect, without prejudice to compensation for damages.

**10. FORCE MAJEURE AND HARDSHIP**

- 10.1. No failure, omission or delay of the Seller in the performance of any obligation shall be deemed a breach of the agreement nor create any liability hereunder, if the failure, omission or delay shall arise from acts of God, laws, rules, regulations or orders of any governmental authority, floods, fires, explosions, storms, earthquakes, acts of war (declared or undeclared), rebellion, insurrections, riot, sabotage, shortages of fuel, power, energy resources, and/or raw material, invasion, epidemic, quarantine, accident, strikes, lockouts, labor disputes, or any other comparable cause beyond the reasonable control of the Seller.
- 10.2. If, during the term of the contract, events occur which have not been contemplated by the Parties and which fundamentally alter the equilibrium of the contract, thereby placing an excessive burden on the Seller in the performance of its contractual obligations (hardship), the Seller shall have the power to make any revision to the contract that it finds just and equitable in the circumstances, or to terminate the contract at a date and on terms to be fixed.

## the CEMBRE group

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CEMBRE Ltd. - UK



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CEMBRE España S.L.U. - Spain



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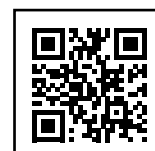


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ООО "КОМПАНИЯ ОПТУЛС"  
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E-Mail: sale@opttools.ru  
Internet: www.opttools.ru



## CONTACT US

**CEMBRE S.p.A.**  
via Serenissima, 9  
25135 Brescia  
Italy  
Ph +39 030 36921  
ufficio.vendite@cembre.com  
sales@cembre.com

**CEMBRE Ltd.**  
Dunton Park,  
Kingsbury Road,  
Curdworth, Sutton Coldfield,  
West Midlands, B76 9EB  
United Kingdom  
Ph +44 01675 470440  
sales@cembre.co.uk

**CEMBRE S.a.r.l.**  
22 Avenue Ferdinand  
de Lesseps  
91420 Morangis Cedex  
France  
Ph +33 01 40 49 11 90  
info@cembre.fr

**CEMBRE S.L.U.**  
Calle Verano 4 y 8  
Pl Las Manjás  
28850 Torrejón de Ardoz  
Madrid - Spain  
Ph +34 91 4852580  
comercial@cembre.es

**CEMBRE GmbH**  
Geschäftsbereich  
Energie- und Bahntechnik  
Heidelmannstr. 166  
80939 München  
Germany  
Ph + 49 89-3580676  
info@cembre.de

**CEMBRE GmbH**  
Geschäftsbereich  
Industrie und Handel  
Boschstraße 7  
71384 Weinstadt  
Germany  
Ph +49 7151-20536-60  
info-w@cembre.de

**CEMBRE Inc.**  
Raritan Center Business Park  
300 Columbus Circle-S.F.  
Edison, NJ 08837 USA  
Ph +1 (732) 225-7415  
sales.us@cembre.com  
**Midwest Office**  
1051 Perimeter Dr #470  
Schaumburg, IL 60173

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