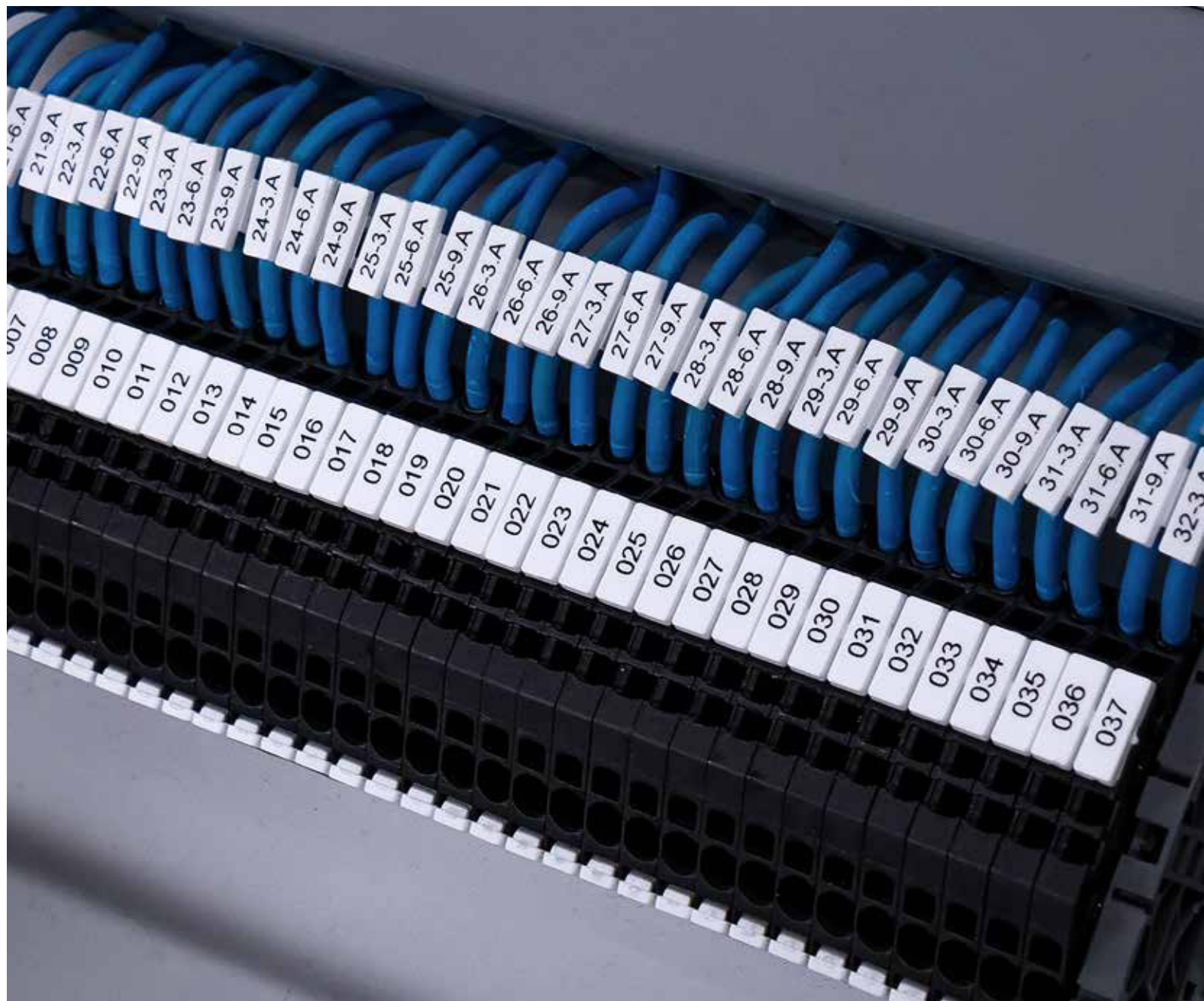




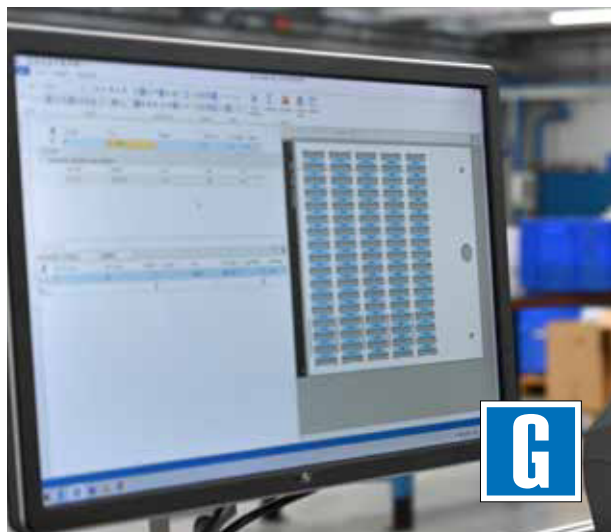
CEMBRE

IDENTIFICATION & LABELLING SYSTEMS



	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

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



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.



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

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

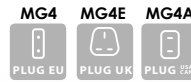


BATTERY
RECHARGEABLE

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

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

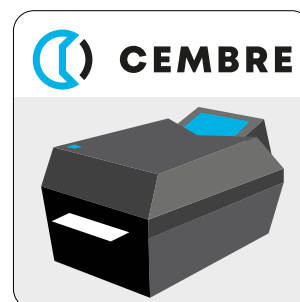
CB1820L

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.



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
	VAL-MG-HD	Height mm
		370
		Weight kg
		6,7
	VAL-MG-HD	Length mm
		687
		Width mm
		528
	VAL-MG-HD	Height mm
		366
	VAL-MG-HD	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



Monochrome ribbons

for thermal transfer printer

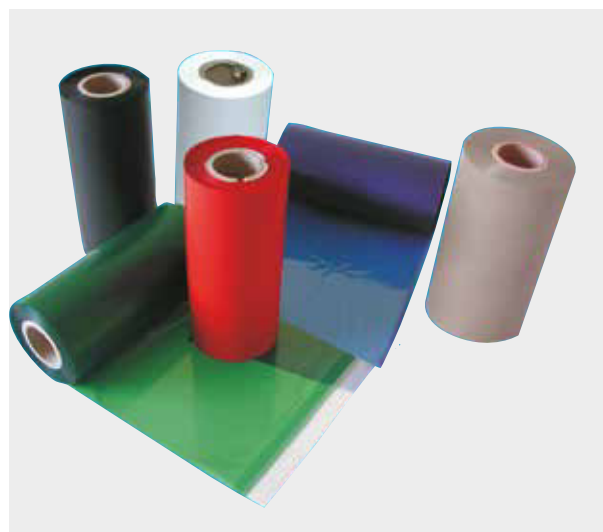
MG2-ETR monochrome ribbons are formulated to produce high quality print on a variety of materials while providing resistance to abrasion, chemicals, cleaning products and environmental agents (eg UV, humidity). Ribbon length 200 m, width 120 mm.

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.

RIBBONS



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

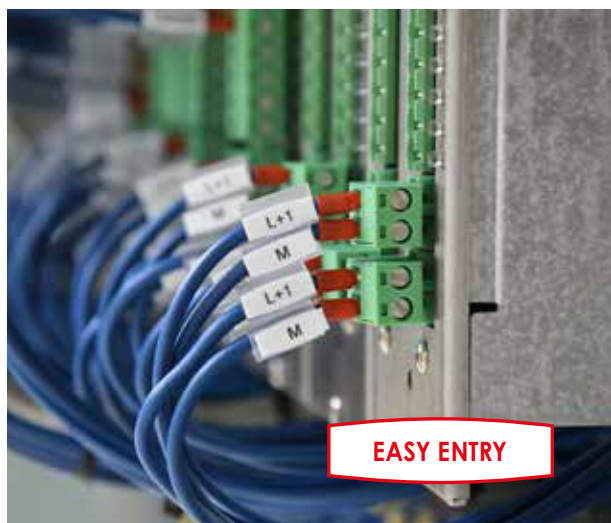
Cable tags for holders

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



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	64	506
	4 x 20	42093B	42043B		42023B	42063B	42053B		42013B	1.600		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
			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



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
	4 x 15	42092B-HF	42042B-HF	42002B-HF			4.000		503
	4 x 20	42093B-HF	42043B-HF				1.600	64	504
		42093B-HF					4.800		
	4 x 30	42096B-HF	42046B-HF				1.200	48	509
		42096B-HF					3.600		
	4 x 40	42097B-HF	42047B-HF				800	32	508



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



Cable tags for holders

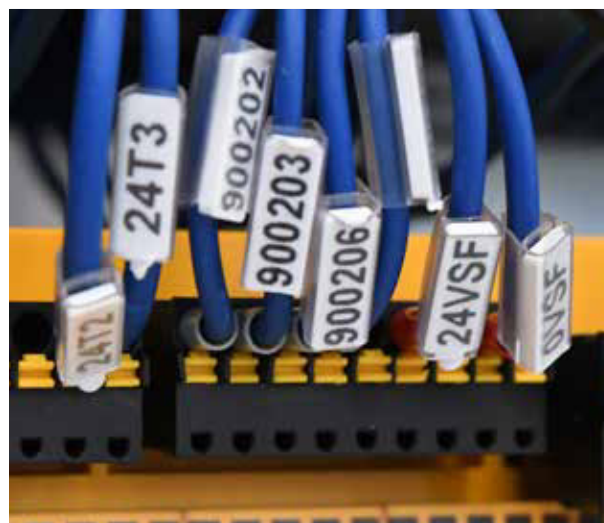
4mm push in markers, for PM holders

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



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



Family	Size mm	NEW Type blue MD	Tags per sheet	Quantity	SW code
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
			4 x 16	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
			4 x 12	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	NEW 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



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.

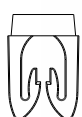
- It is advisable to select the tag based on the actual external diameter of the cable rather than its indicative c.s.a, due to variations in insulation thickness and conductor format.

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



Family	Cable ext.Ø range mm	Cable c.s.a range mm²	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 mm².

Use directly on cables according to outside diameter.

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

PA6.6



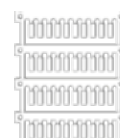
Family	Ø Size mm	Cable c.s.a range mm²	Type	Length mm	Quantity
TDMOS-16	6-8	16	42850	25	150
TDMOS-35	8-10	35	42852	25	100
TDMOS-70	10-14	70	42854	25	50



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

PURCHASE SEPARATELY

template with PET 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



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

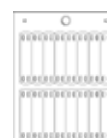
22x26

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

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



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



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

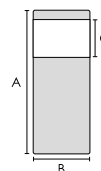
self adhesive, pre-cut

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.



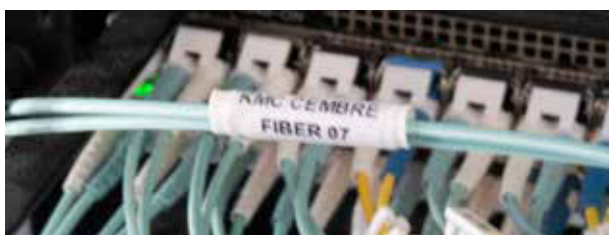
Material: Polyolefin PO99006TR, Silicon free, Halogen free, certified UL969.

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 P099006TR	yellow P099006TR	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
					49456-023				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
					49451-015				600		
			15 x 15		49451-015				1.800	12	384
					49451-023				400		
			15 x 23	49951-023	49451-023				1.200	8	385
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
MG-KMP075	75	8 ÷ 14	25 x 15	49952-015	49452-015				300	6	386
			25 x 23	49952-023	49452-023				200	4	387
					49452-023				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		
				49953-015					900	6	389
			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.

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Terminal block markers

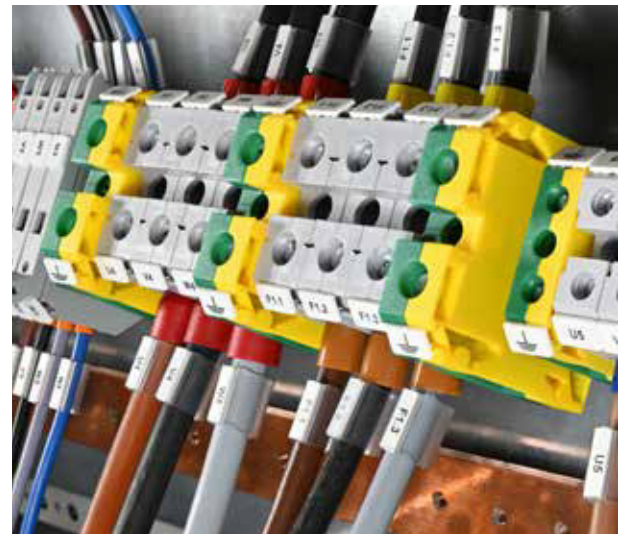
MG-CPM terminal block markers are available in versions to suit the particular clip formats of the most widely used products.

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.

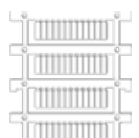


PURCHASE SEPARATELY

Directly on terminal blocks using the rear mounted clips.

SUPPLIED

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MG-CPM



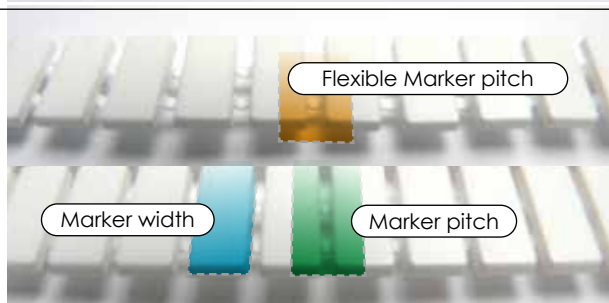
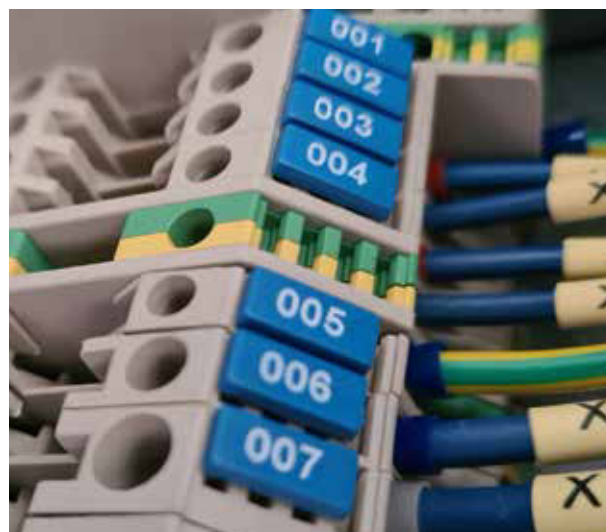
Family	Terminal blocks	Profile	Size mm	Pitch mm	Strip form	Type			Markers per sheet	Quantity	Template	SW code
						white PC10200WH	yellow PC10400YE	NEW blue MD				
MG-CPM-01	CEMBRE, Weidmüller, IMO, Entrelec, Wago, Allen Bradley, Conta Clip, Klemsan, Morsettitalia, Woertz, Connectwell, Rockwell		3 x 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
					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
					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
					M	41196	41046		32	1.120	991011	18
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
					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, Beckhoff 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

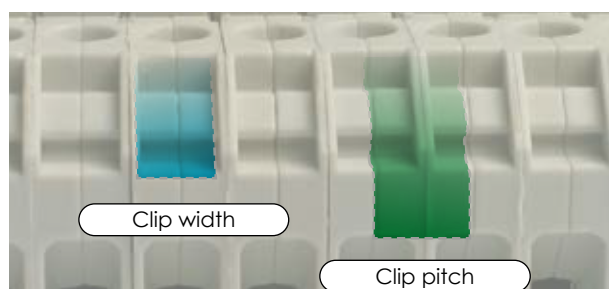
Operating temperature range: -40°C to +130°C

NEW

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



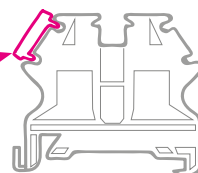
MF



CEMBRE		mm		Meters		mm		Meters	
TBS2.5	P	P	M						
TBS2.5-BU	P	P	M						
TBS4	C	C	M						
TBS4-BU	C	C	M						
TBS6	C	C							
TBS6-BU	C	C							
TBS10	C	C	M						
TBS10-BU	C	C							
TBS16	C	C							
TBS25	C	C							

P	P	M					
P	P	M					
C	C		M				

FILE COMPATIBLE



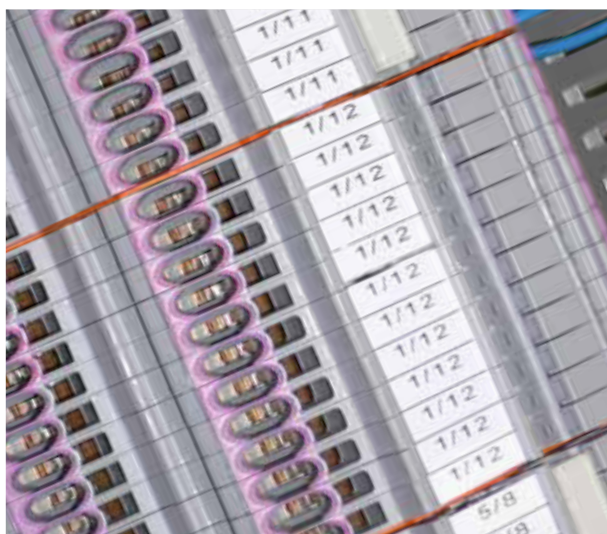
MG-CPMF

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



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



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
		Entrelec M6/9EE, front mounting	7,6 x 105	43091	43041	600	12	552
		Phoenix Contact PIT	9,8 x 105	43097N	43047N	550	11	549
		Entrelec M6/9EE, lateral mounting	10 x 105	43090	43040	500	10	530
		Wago Top Job 2001, 2002, 2004, 2006, 2010, 2016	10,7 x 105	43093	43043	500	10	554
					43043	1.500		
MG-CPMFA	✓	Entrelec M6/9EE, lateral mounting	10 x 105	46990	46940	100	10	530
	✓	Entrelec 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



Family	Terminal blocks	Size mm	Type white PC10050WH	Strips per sheet	Quantity	SW code
MG-CPMF-HF	Entrelec 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.

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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.

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MG-SPM

Component markers, push in

for the leading brands and types

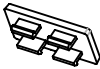
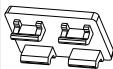
MG-SPM markers are available in versions to suit the particular clip formats of the most widely used contactors, relays, drives, valves and other panel mounting components.



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, Entrelec 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

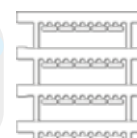


PURCHASE SEPARATELY

directly on components with suitable clip in locations.

SUPPLIED

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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.

MG-PTS



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	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		
	✓	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
	✓	60 x 40	31	15197		15187GY				100	4	1005
	✓	62 x 60	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.

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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

MG-TAP



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 3SU1900-0AS10-0AA0 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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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-OAB						
	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-OAS10-OAA0 with rounded corners						
	17,5 x 27	47797-HF	47707-HF		9	450	971



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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

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



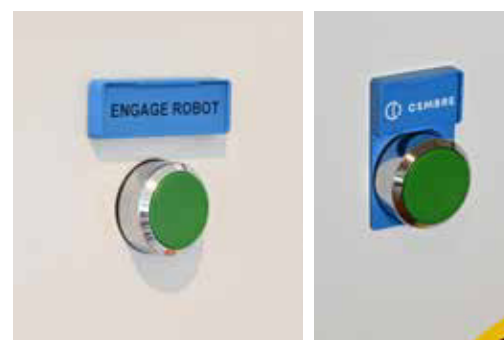
MG-TAP-R-MD

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



Family	Size mm	NEW Type blue MD	Legends per sheet	Quantity	SW code
MG-TAP-R-MD	15 x 27	37064-MD	8	240	354
	15 x 49	37065-MD	4	120	355



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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		
	Entelec 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



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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



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

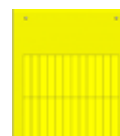


Family	Component	Size mm	Type					Quantity	Tags per sheet	SW code
			white PVC10050WH	yellow PVC10050YE	grey	red	blue			
MG-TAR		4,6 x 17,5	45398					875	25	797
		6 x 60	45090					800	16	189
			45090					2.400		
	Weidmüller SCHAT7 & M8/30	6,3 x 30	45396N					2.250	45	800
	Phoenix Contact KLM-A	6,3 x 44	45394	45344	45384GY	45324	45364	750	30	798
	Weidmüller SCHAT5S, Beckhoff 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
	Entrelec PEB	17 x 35	45194	45144				900	18	711
			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
	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.

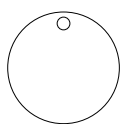
Note: UV resistance may vary between colours.



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			48391	48341			300	12	874
			5	4,8		48341		900			
			Ø 35	4	3,6	48300	48340	48320	48380	300	6
							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



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

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	400	869
		21 x 39	40206-SBS	12,7	8	400	873



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

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cable ties page 135



MG-TAA

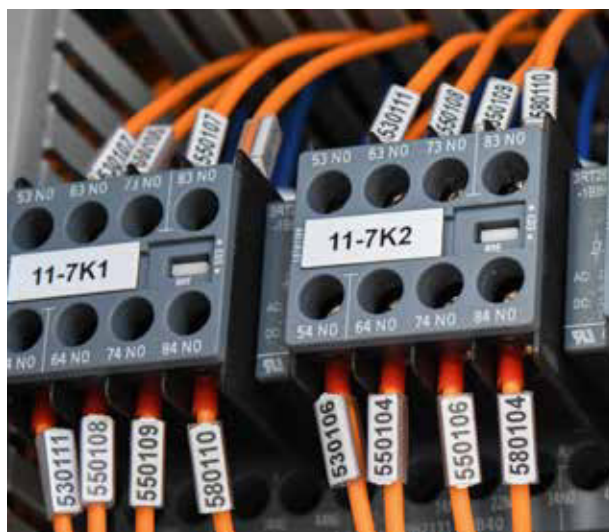
Legends self adhesive

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		49216	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
	9 x 15	49397N	49347N	49307NGY	49327N	49367N	49357N		49317N	1.925	77	961
				49307NGY					49317N	5.775		
Siemens Sirius	9 x 20	49190N	49140N	49100NGY	49120N	49160N	49150N		49110N	1.375	55	962
		49190N		49100NGY					49110N	4.125		
	9 x 35	49191N	49141N	49101NGY	49121N	49161N	49151N		49111N	825	33	964
	9 x 50	49197	49147	49107GY	49127	49167	49157		49117	500	20	976
	9 x 70	49691	49641							275	11	378
	10 x 105	49199	49149							250	10	530
	12 x 26	49399N		49309NGY					49319N	700	28	862
									49319N	2.100		
	15 x 15	49495	49445							1.225	49	183
	15 x 17	49192N	49142N	49102NGY	49122N	49162N	49152N		49112N	1050	42	965
	15 x 27	49193N	49143N	49103NGY	49123N	49163N	49153N		49113N	700	28	966
	15 x 44	49298	49248	49208GY	49228	49268	49258		49218	300	12	854
				49208GY						900		
	15 x 49	49194N	49144N	49304NGY	49124N	49164N	49154N		49104N	350	14	967
	15 x 67	49195	49145	49405GY	49125	49165	49155		49115	350	14	977
				49405GY						1.050		
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
	17 x 44	49393	49343	49303GY	49323	49363	49353		49313	300	12	717
		49393		49303GY						900		
	17,5 x 27,8			49404GY						600	24	175
				49404GY						1.800		
	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	125 375	5	851
	20 x 96	49295	49245	49205GY	49225	49265	49255		49215	125 375	5	852
	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	225 675	9	863

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 15.750	105	181
	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
	9 x 20	44896N	44846N	46896N	46296N		46696N	46596N	46596NLG	46796N	46196N		2.750 8.250	55	162
	9 x 35	46910N	46410N	46810N									1.650	33	164
	15 x 15	46934	46434	46834									2.450 7.350	49	183
			46434												
	15 x 17	46932N	46432N	46832N									2.100 6.300	42	185
			46432N												
	15 x 27	46921N	46421N	46821N								46021N	1.400	28	186

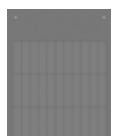
MG-VYT



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, pre-cut

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		
	Siemens	7 x 10	47191	47181	6.000	120	191
		7 x 20	47920	47820	3.000	60	190
	Siemens	9 x 15	47195	47185	3.500	70	161
		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



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.

MG-VCT



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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ribbons page 13



MG-PLC

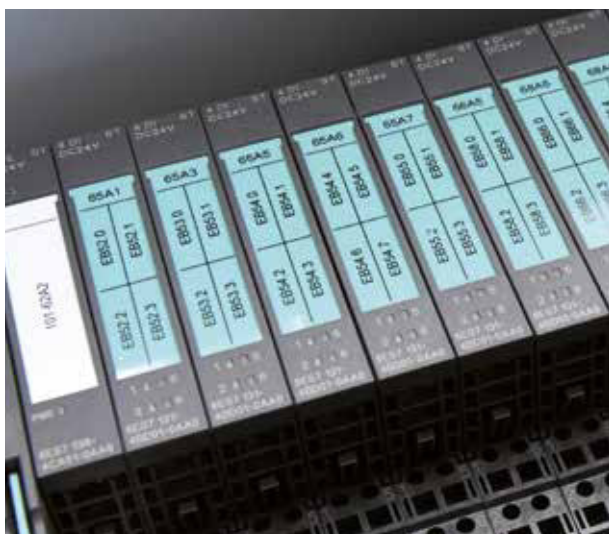
PLC legends

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
							480		
		22 x 38	71097-HF	71047-HF			100	10	904
							40		
		22,75 x 103,5	71091-HF	71041-HF	71051-HF	71001-HF	320	4	883
							40		
	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



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, pre-cut

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	2	271
		52 x 105	29003	100	2	272
			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.

template with PET support page 12
ribbons page 13



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



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
					990799N					1.050		
		1	25 x 18	990889	990895		990900		990914	1.200	24	335
	Merlin Gerin	1½	25 x 27	990891	990892		990897		990915	800	16	334
	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



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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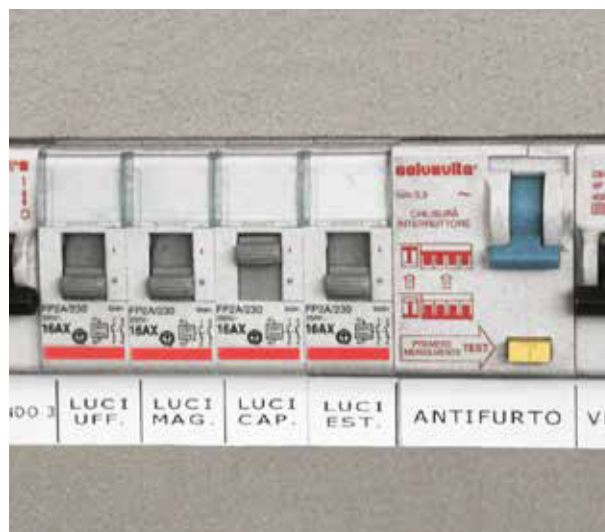
Modular labels

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



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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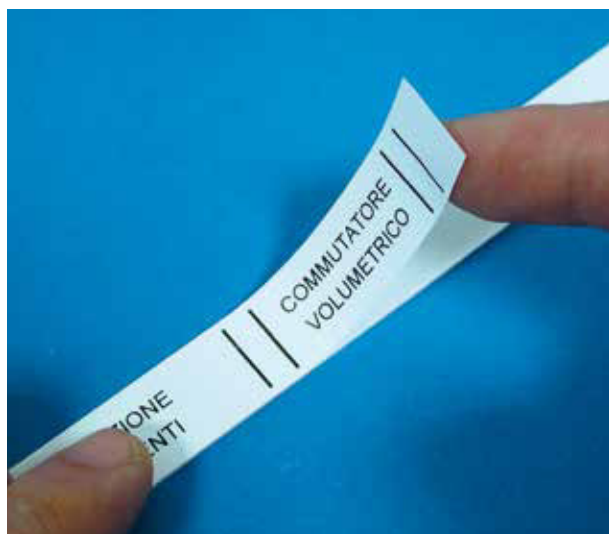


MG-17.5

Modular backing strips

15 mm, precut

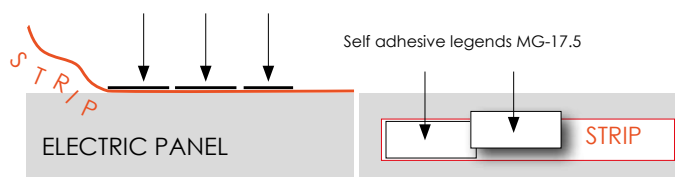
The backing strips are ideal for modular components to achieve a perfect alignment of MG-17.5 legends in up to 430 mm long strips, to be applied directly on the panel or in mounting rails.



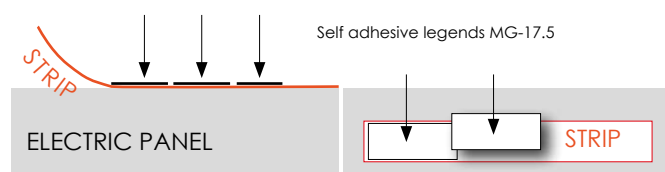
Material: PVC film

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

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



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

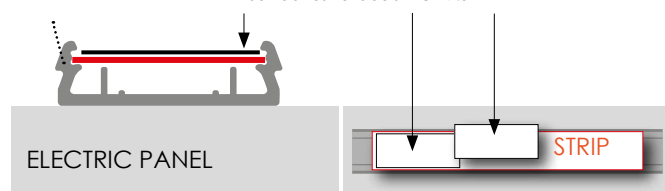
Operating temperature range: -30°C to +60°C

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



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

Self adhesive rail RTA-TAP Self adhesive labels MG-17.5



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



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



Directly on the panel.

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rails RT-TAP page 144



customisable

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	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		48128	50	47595	1	207
							48128	150			
	105 x 110	48904		48704GY				50		1	859



Directly on suitable surfaces.

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MG-VRT-R

Note: UV resistance may vary between colours.



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



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



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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	black				
MG-VRT-RH	15 x 35	49906	49406				49916	1.050	2	21	837
	15 x 52	48924	48424				48129	350	2	14	831
		48924						1.050			
	15 x 80	48938	48438				48138	175	2	7	828
	25 x 50	48906	48406	48806GY		48606		200	2	8	860
	25 x 75	48907	48407					100	2	4	809
	25 x 80	48931					48131	100	2	4	832
	25 x 100	48914	48414				48114	200	2	4	206
	29 x 140	48932	48432				48132	75	2	3	834
							48132	225			
	35 x 50	48930					48130	150	2	6	833
	35 x 80	48937	48437		48237	48637		75	2	3	827
	35 x 100	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		48215		48115	50	4	1	816
	82 x 142	48921	48421					50	4	1	836
	105 x 110	48912	48412	48712GY				25	4	1	859
		48912						75			



Directly on suitable surfaces.

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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.

MG-VRT-RH



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			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

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.

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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		88771GY					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.

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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.

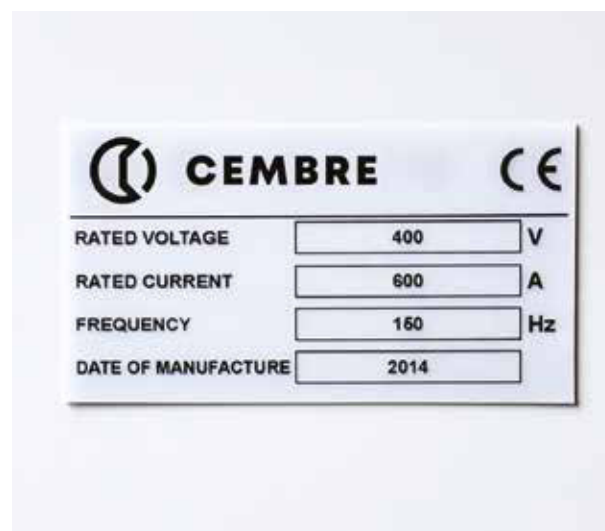
Note: UV resistance may vary between colours.

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

MG-VRT-A



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.

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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



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
	75 x 120	88915	88415				88115	25	4	1	816
			88415					75			
	82 x 142	88938						25	4	1	836
	102 x 138	88937			88237	88637		25	4	1	208
		88937						75			
	105 x 110	88912	88412	88712GY				25	4	1	859



Directly on suitable surfaces.

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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

MG-VRT-AH

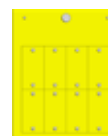


Family	Size mm	Type		Quantity	No. Holes Ø 4 mm	Tags per sheet	SW code
		yellow	metallic grey				
MG-VRT-AH-HF	20 x 40		88720-HF	250	2	10	864
			88720-HF	750			
	50 x 100		88711-HF	50	4	2	811
	75 x 120	88415-HF	88715-HF	25	4	1	816
		88415-HF		75			
	105 x 110		88712-HF	25	4	1	859



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

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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 V0: 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



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
				991050					50	22.5	2	252
			Ø 62		991121				50	22,5	2	252
					991122				50	30	2	265
			Ø 90	991051					50	22.5	1	263
					991123				50	22,5	1	263
					991124				50	30,5	1	264
MG-SIGNS-A	△	✓	40		991141				100		4	243
		✓	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			
					991145				150		2	272



Directly on suitable surfaces.

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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	232
		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.

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MG-SIGNS

Panel labels

self adhesive, pre-cut

The MG-SIGNS labels are 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.

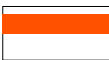


Material: Polyester film; the colour metallic grey PET99005GY and the base material PETSIGNWHTR are UL approved.

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

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



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



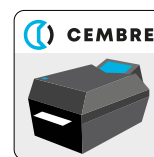
Directly on suitable surfaces.

template with PET support page 12
ribbons page 13



100% MADE BY CEMBRE

M4



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 mm²	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 mm²	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



	Cable ext.Ø range mm	Cable c.s.a range mm ²	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
				30	90170N-HF	1.500
	3,4 ÷ 4,3	2,5 ÷ 4	PMF-02-HF	10	90200-HF	4.000
				12	90210-HF	4.000
				15	90220-HF	3.000
				20	90240-HF	2.000
				30	90270N-HF	500
	4 ÷ 6,3	4 ÷ 10	PMF-03-HF	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



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



	Length mm	Type	Quantity
	10	66000N	5.000
	12	66010N	4.000
	15	66020N	4.000
	20	66040N	3.000
	30	66070N	2.000
	40	66090N	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

RoHS
COMPLIANT
2011/65/EU

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



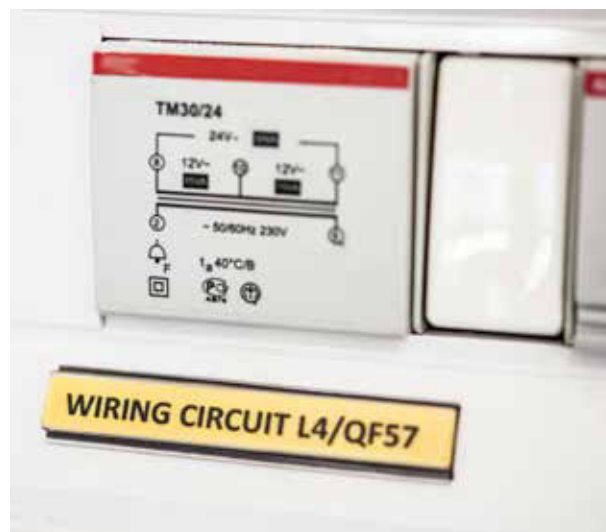
Self adhesive transparent legend holders 9 & 15 mm

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



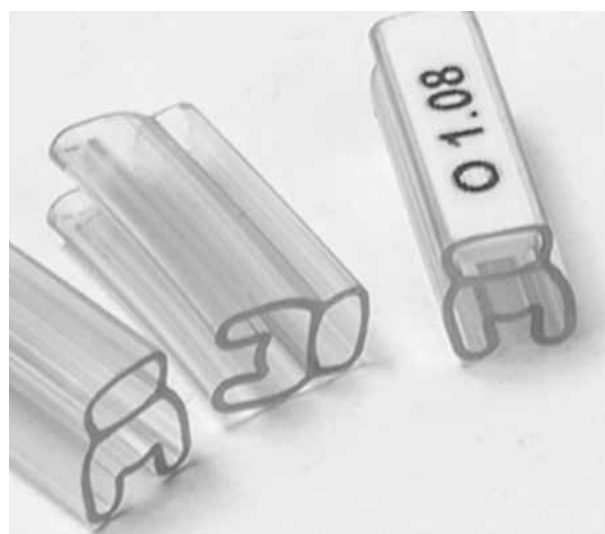
Transparent tag holders 4 mm

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 mm²	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
	3,4 ÷ 4,3	2,5 ÷ 4	PM-02	1.000	50180	10
				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 ²	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

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



	Cable ext. Ø range mm	Cable c.s.a range mm²	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	51000N	5.000
12	51010N	4.000
15	51020N	4.000
18	51030N	3.000
21	51040N	2.000
23	51050N	2.000
27	51060N	2.000
30	51070N	2.000
1.000	51080N	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



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:

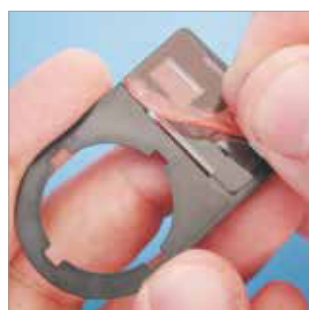
-40°C to +115°C (continuous)

-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



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	NEW blue MD			
PLR		✓	17 x 20	34202			15 x 17	100
		✓	17 x 30	34302	34362-MD		15 x 27	100
		✓	17 x 52	34402	34462-MD	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

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

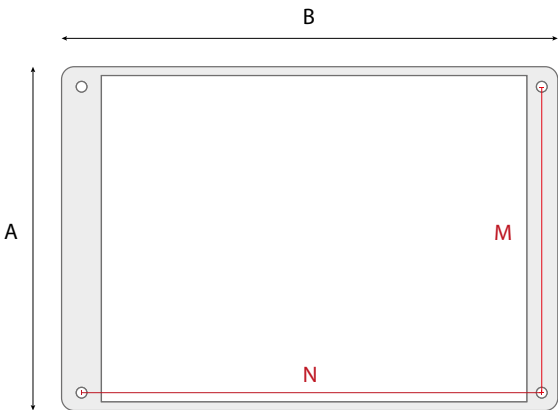
Operating temperature range:

-40°C to +115°C (continuous)

-40°C to +130°C (short periods)



Size AxB mm	Thickness mm	Type	Ø holes mm	Holes spacing mm		Panel plate size mm	Quantity
				M	N		
37 x 79	4,2	47590	3	27	69	32 x 58	200/10
47 x 98	4,2	47591	3	37	89	42 x 78	120/10
57 x 127	4,2	47592	3	47	117	52 x 107	80/10
65 x 120	4,2	47596	3	55	110	60 x 100	10
67 x 109	4,2	47594	3	57	99	62 x 88	80/10
97 x 140	4,2	47593	3	87	129	92 x 118	40/10
108 x 160	4,2	47595	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**

RoHS
COMPLIANT
2011/65/EU

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



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

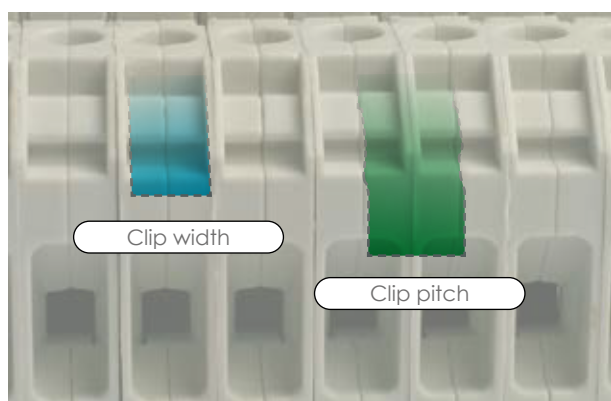


CHART

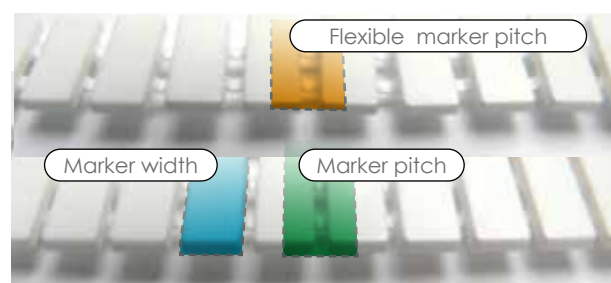
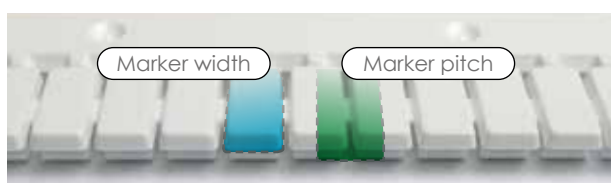
Terminal block marker cross reference chart



TERMINAL BLOCK



MARKERS



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](#)

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 41094	3x0	5x7	5x0	5x0	6x0	8x0	5x0	4,2x9	6x5	7x2
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							
TBS64-L2	C	C		M							
TBS62.5	P	P	M								
TBS64	C	C		M							
TBS66	C	C			M						
TBS610	C	C									
TBS616	C	C						S			
TBS635	C	C						C			
TBS650	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							
TBP62.5	P	P	M								
TBP64	C	C		M							
TBP66	C	C			M						
TBP610	C	C									
TBP62.5X1-2	P	P	M								
TBP62.5X2-2	P	P	M								
TBP64X1-2	C	C		M							
TBP64X2-2	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	3x0	5x0	5x0	6x0	8x0	5x0	4,2x9	6x5	7x2
1492-J3/J63			P		P						
1492-J4/J64			C	P	C	P					
1492-J6/J66			C		P	C	C				
1492-J10/J610			C		C	C	C				
1492-J16/J616			C		C	C	C				
1492-J35/J635			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	3x0	5x0	5x0	6x0	8x0	5x0	4,2x9	6x5	7x2
1492-WTS3	P						P				
1492-J3P	P		P		P						
1492-JD3P	P		P		P						
1492-H...							C				
1492-WFB4...							C				
1492-JD3FB/JD63FB	P										
1492-L2/L62		P									
1492-L3/L63			P		P						
1492-L4/L64			C	P	C						
1492-L6/L66				C	P	C					
1492-L10/L610			C	C	C	C					
1492-L16/L616					C	C					
1492-L35/L635						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	4,2x9	5x5	5x5	7,5x40					
KL 24 04	C		C								
KL 14 08	C		C								
KL 9010		C									
KL 9010				S							

CABUR*

	Markers mm										
	MG-CPM-03 41291	5x0	5x0	5x0	5x0	5x0	5x0	5x0	4,2x9	STF-10 42810	
ACB series											
CBD.2/4	S	C	C	C		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	C	M					
CBD.10/6	C	C		C	C	M					
CBD.16/25	C	C		C	C	M					
CBD.35	C	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	C						
DSS.4/6	C	C	M	C	M						
CBR.2/4	P	M	S	S	S						
FVS.4/6	C	C	M	C	M						
FFS.4/6	C	C	M	C	M						
TLS.2/4	C	C		C	C						
TLE.2/4	C	C		C	C						
TLD.2/4	C	C		C	C						
TDE.2/4	C	C		C	C						
PCE.4/6/...	C	C	M	C	M						
PCE.4/X...	C	C		C	C						
SFR.4/6...SFR.4/6/C230	C	CP		C	C						
SFO.4/6...SFO.4/6/C230	C	CP	M	C	M						

PHOENIX CONTACT*

[illegible]

SCHLEGEL*

[illegible]

SCHNEIDER ELECTRIC*

[illegible]

SCHNEIDER ELECTRIC*

[illegible]

SIEMENS*

[illegible]

WAGO*

[illegible]

APPENDIX

WAGO*						
		Markers	mm			
	IDK 1.5	S		M		
	IDK 1.5N	S	S	M		
	IDK 1.5N/V	S	S	M		
	IDU 1.5N	S	S	M		
	IDU 2.5N	C	C	M		
	IEK 1.5N	S	S	M		
	IHK 1.5N	S	S	M		
	IPE 1.5N	S	S	M		
	WAGO I/O SYSTEM 750			P		
	Serie 870/X-Com/TJS/264			P		

WEIDMÜLLER*[illegible]

WEIDMÜLLER*																		
	Markers	mm																
		MG-CPM-01 4x032 3X10	MG-CPM-01 4x090N 5x10	MG-CPM-01 4x091N 5x6	MG-CPM-01 4x094 5x7	MG-CPM-02 4x190N 5x10	SF-01 4x201 aggrancio	MG-CPMF 40094 E 2xK05	MG-10B 45094 17x40	MG-TAR 45098 175x40								
SAKS 2		C	C	C	C	M												
SAKS 3		C	C	C	C	M												
SAKS 4		C	C	C	C	M												
SAKS 5		C	C	C	C	M												
SAKT 1		CP	CP	CP	CP	M												
SAKT 2		CP	CP	CP	CP	M												
SAKT 4		C	C			M												
SCHT5								S										
SCHTS5									S									
SS 6		C	C	C	C													
SS 8		C	C	C	C													
SS 10		C	C	C	C													
SS 12		C	C	C	C													
TOP 2.5		P	C	C	C													
TOP 4		C	C	C	C													
TRZ24VDC					C													
VLI 2.5		P	C	C	C													
WDK 2.5		P	S	S	S													
WDK 2.5 800V		P	C	C	C													
WDK 2.5N		P	S	S	S													
WDK 4N		C	C	C	C													
WDL 2.5		P	C	C	C													
WDL 2.5 / S		P	C	C	C													
WDT 1.5	P	C	C	C	C													
WDTR 2.5		P	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	M												
WDU 2.5 F		P	S	S	S	M												
WDU 2.5 FF		P	S	S	S	M												
WDU 2.5 N		P	S	S	S	M												
WDU 2.5 TC		P	S	S	S	M												
WDU 2.5/1.5/ZZ		P	S	S	S	M												
WDU 4		C	C	C	C	M												
WDU 4N		C	C	C	C	M												
WDU 6		C	C	C	C	M												
WDU 10		C	C	C	C	M												
WDU 10SL		C	C	C	C	M												
WDU 16		C	C	C	C	M												
WDU 35 N		C	C	C	C	M												
WDU 70/95		C	C	C	C	M												
WDU 95N		C	C	C	C	M												
WDU 120/150		C	C	C	C	M												
WDU 240		C	C	C	C	M												
WEV 35/2		C	C	C	C	M												
WFF 35		C	C	C	C	M												
WFF 70		C	C	C	C	M												
WFF 120		C	C	C	C													
WFF 185		C	C	C	C													
WFF 300		C	C	C	C													
WKF-MG-CPM-04																		
WIN BLOCK		C	C	C	C													
WNT 2.5		P	S	S	S													
WNT 4		C	C	C	C													
WNT 6		C	C	C	C													
WNT 10		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													
WPE 2.5/1.5/ZR		P	C	C	C													
WPE 4		C	C	C	C													
WPE 6		C	C	C	C													
WPE 10		C	C	C	C													
WPE 16		C	C	C	C													
WPE 35		C	C	C	C													
WSI 6		C	C	C	C													
WSI 6/2		C	C	C	C													
WTL 6/1		C	C	C	C													
WTL 6/2		CP	CP	CP	CP													
WTR 2.5		P	C	C	C													
ZBLD 2.5/1.5	C	P		C	C													
ZDK 2.5/1.5	C	P		C	C													
ZDK 2.5/1.5 DU-PE	C	P		C	C													
ZDK 2.5/1.5 N-PE	C	P		C	C													

[illegible]

WIELAND*												
	Markers mm	MG-CPM-05 41490 5x10	MG-CPM-05 41494 5x10	STF-05 42805								
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	MG-CPM-01 41093 3x10	MG-CPM-01 41090N 5x10	MG-CPM-02 41190N 5x10	MG-CPM-01 41094 5x7	MG-CPM-11 46392 6x12						
30544 / 4 V	C	C	C	C	C							
30544 / 6 V	C	C	C	C	C							
30544 / 10 V	C	CP	CP	CP	CP							
30800	C	C	C	C	C							
30840						C						
30841	C	C	C	C	C							
30842	C	C	C	C	C							
30843	C	C	C	C	C							
30844	C	C	C	C	C							
3430	C	C	C	C	C							
35310/4V	C	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 ± 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

QUALITY

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 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.