















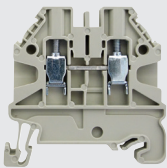
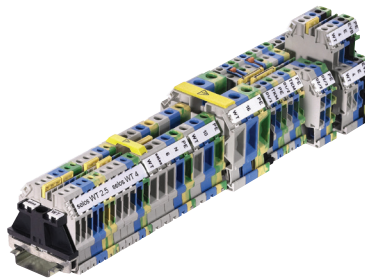


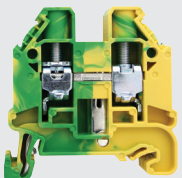
TERMINATION & WIRING



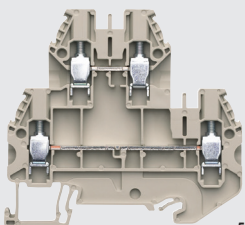
Rail mount terminals		Wieland Klemsan	L-1...4 L-5...8
Slotted cable trunking		Ezi Canal	L-11
DIN mounting rail		EM	L-13
Standard / Stainless steel cable ties		Elematic EM	L-15 L-16
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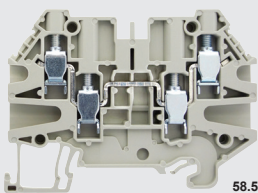
58.504.0055.0



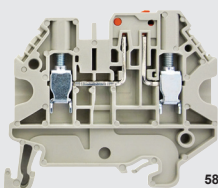
58.506.9055.0



58.504.7055.0



58.504.5155.0



58.504.2055.0

WT series - Terminal blocks - with screw connection technology

- Universal screw connection system (*one-piece thread for stress free connection and re-connection*)
- Compact dimensions - uniform design - universal marking system
- Double cross connection row accepts pluggable cross connectors (*plug-in bridge bars*)

type	model	colour	wire size mm ²	amperage IEC 947-7-1	term. width	maximum voltage
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WT through terminals 1000V (universal terminal block)

58.503.0055.0	WT2.5	grey	0.14...4	24A	5 mm	1000 V
58.504.0055.0	WT4	grey	0.14...6	32A	6 mm	1000 V
58.506.0055.0	WT6	grey	0.14...10	41A	8 mm	1000 V
58.510.0055.0	WT10	grey	0.14...16	57A	10 mm	1000 V
58.503.0055.6	WT2.5BL	blue	0.14...4	24A	5 mm	1000 V
58.504.0055.6	WT4BL	blue	0.14...6	32A	6 mm	1000 V
58.506.0055.6	WT6BL	blue	0.14...10	41A	8 mm	1000 V
58.510.0055.6	WT10BL	blue	0.14...16	57A	10 mm	1000 V

WT earth terminals

yellow/green screw-less, clip-on earth terminals

58.503.9055.0	WT2.5PE	yel/grn	0.14...4	–	5 mm	1000 V
58.504.9055.0	WT4PE	yel/grn	0.14...6	–	6 mm	1000 V
58.506.9055.0	WT6PE	yel/grn	0.14...10	–	8 mm	1000 V
58.510.9055.0	WT10PE	yel/grn	0.14...16	–	10 mm	1000 V

End plates

for above terminals

07.313.2555.0	APWT2.5-10	grey		end plate	for term.	WT2.5/4/6/10
07.313.2655.0	TWWT2.5-10	grey		partition plate	for term.	WT2.5/4/6/10

Multi-tier terminal blocks 500V

58.504.5055.0	WT4D1/2	grey	0.14...6	32A	6 mm	500 V
58.504.5155.0	WT4D2/2	grey	0.14...6	32A	6 mm	500 V
58.504.7055.0	WT4E	grey	0.14...6	32A	6 mm	800 V
07.313.2955.0	APWT4D1/2	grey		end plate	for term.	WT4D1/2
07.313.3155.0	APWT4D2/2	grey		end plate	for term.	WT4D2/2
07.313.3355.0	APWT4E	grey		end plate for two-tier	for term.	WT4E
07.313.2855.0	TWWT4E	grey		partition for two tier	for term.	WT4E

Disconnect terminal block

hinged blade type

58.503.2055.0	WT2.5TKM	grey	0.14...4	20A	5 mm	500 V
58.504.2055.0	WT4TKM	grey	0.14...6	24A	6 mm	500 V
07.313.2955.0	APWT4D1/2	grey		end plate	for term.	WT2.5/4TKM
07.313.2855.0	TWWT4E	grey		partition plate	for term.	WT2.5/4TKM

Plug-in cross connectors (bridging bars)

for WT and WTP terminal blocks

WT series terminals feature a two-row, plug-in jumpering channel, permitting variable potential distribution through use of a chain arrangement, providing a vibration-proof connection. Any number of plug-in jumpers can be connected in succession as necessary.

- Robust combination of copper current bar and indestructible steel spring individually fabricated.

		poles			
Z7.284.7027.0	IVBWTP1.5-2	2 pole	plug-in bridging bar	for term.	WTP1.5
Z7.284.7127.0	IVBWTP1.5-3	3 pole	plug-in bridging bar	for term.	WTP1.5
Z7.284.7227.0	IVBWTP1.5-4	4 pole	plug-in bridging bar	for term.	WTP1.5
Z7.284.7327.0	IVBWTP1.5-5	5 pole	plug-in bridging bar	for term.	WTP1.5
Z7.280.6227.0	IVBWKF2.5-2	2 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4
Z7.280.6327.0	IVBWKF2.5-3	3 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4
Z7.280.6427.0	IVBWKF2.5-4	4 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4
Z7.280.6527.0	IVBWKF2.5-5	5 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4
Z7.280.7027.0	IVBWKF2.5-10	10 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4
Z7.280.8027.0	IVBWKF2.5-20	20 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4
Z7.261.1227.0	IVBWKF4-2	2 pole	plug-in bridging bar	for term.	WT4
Z7.261.1327.0	IVBWKF4-3	3 pole	plug-in bridging bar	for term.	WT4
Z7.261.1427.0	IVBWKF4-4	4 pole	plug-in bridging bar	for term.	WT4
Z7.261.1527.0	IVBWKF4-5	5 pole	plug-in bridging bar	for term.	WT4
Z7.261.2027.0	IVBWKF4-10	10 pole	plug-in bridging bar	for term.	WT4
Z7.282.5227.0	IVBWKF6-2	2 pole	plug-in bridging bar	for term.	WT6/WTP6/10
Z7.282.5327.0	IVBWKF6-3	3 pole	plug-in bridging bar	for term.	WT6/WTP6/10
Z7.282.5427.0	IVBWKF6-4	4 pole	plug-in bridging bar	for term.	WT6/WTP6/10
Z7.282.5527.0	IVBWKF6-5	5 pole	plug-in bridging bar	for term.	WT6/WTP6/10
Z7.283.8227.0	IVBWKF10-2	2 pole	plug-in bridging bar	for term.	WT10

DIN mounting rail - see page L-13

Fasis WTP series - Terminal blocks - with push-in connection technology

- Terminate wires easily, directly and without tools (*wires simply push-in to terminals*)
- Integrated release lever - no contact with live parts - flat or star screwdriver release button
- Compact dimensions - uniform design - universal marking system
- Double cross connection row on all terminals for pluggable cross connectors (*plug-in bridge bars*)

type	model	wire size mm ²	amperage IEC 947-7-1	terminal width	terminal in	terminal out	max. voltage
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Feed-through terminals with push-in connection

56.202.0055.0	WTP1.5	0.14...1.5	17.5A	3.5 mm	1	1	500 V
56.203.0055.0	WTP2.5/4	0.2...4	30A	5 mm	1	1	800 V
56.203.5055.0	WTP2.5/4D1/2	0.2...4	32A	5 mm	1	2	800 V
56.203.5155.0	WTP2.5/4D2/2	0.2...4	32A	5 mm	2	2	800 V
56.203.7055.0	WTP2.5/4E	0.2...4	24A	5 mm	2	2	500 V
56.206.0055.0	WTP6/10	0.2...10	57A	8 mm	1	1	1000 V
56.202.0055.6	WTP1.5BL	0.14...1.5	17.5A	3.5 mm	1	1	500 V
56.203.0055.6	WTP2.5/4BL	0.2...4	30A	5 mm	1	1	800 V
56.206.0055.6	WTP6/10BL	0.2...10	57A	8 mm	1	1	1000 V

Earth terminals yellow/green screwless, clip-on earth terminals / plug-in bridging bars

56.202.9055.0	WTP1.5PE	0.14...1.5	17.5A	3.5 mm	1	1	500 V
56.203.9055.0	WTP2.5/4PE	0.2...4	32A	5 mm	1	1	800 V
56.203.9355.0	WTP2.5/4D1/2PE	0.2...4	32A	5 mm	1	2	800 V
56.206.9055.0	WTP6/10PE	0.2...10	57A	8 mm	1	1	1000 V

End plates/partitions

07.313.4455.0	APWTP1.5	terminal insulated end plate for	WTP1.5
07.312.6755.0	APFN2.5	terminal insulated end plate for	WTP2.5/4
07.312.6955.0	APFN2.5D1/2	terminal insulated end plate for	WTP2.5/4D1/2
07.312.7155.0	APFN2.5D2/2	terminal insulated end plate for	WTP2.5/4D2/2
07.312.7355.0	APFN2.5E	terminal insulated end plate for	WTP2.5/4 E
07.313.4155.0	APWTP6/10	terminal insulated end plate for	WTP6/10
07.312.6855.0	TWFN2.5	terminal insulated partition plate for	WTP2.5/4
07.312.7055.0	TWFN2.5D1/2	terminal insulated partition plate for	WTP2.5/4D1/2
07.312.7255.0	TWFN2.5D2/2	terminal insulated partition plate for	WTP2.5/4D2/2
07.312.7455.0	TWFN2.5E	terminal insulated partition plate for	WTP2.5/4E
07.313.4255.0	TWWTP6/10	terminal insulated partition plate for	WTP6/10E

Accessories for all Wieland terminals

End stops for all terminals

Z5.523.9353.0	WEF1/35	"snap-on"	8 mm	terminal end stop
Z5.523.9453.0	WEF2/35	"snap-on"	5 mm	terminal end stop
Z5.522.8553.0	9708/2S35	"screw-on"	8 mm	terminal end stop
Z5.523.5753.0	WE 1/U	"screw-on"	10 mm	terminal end stop

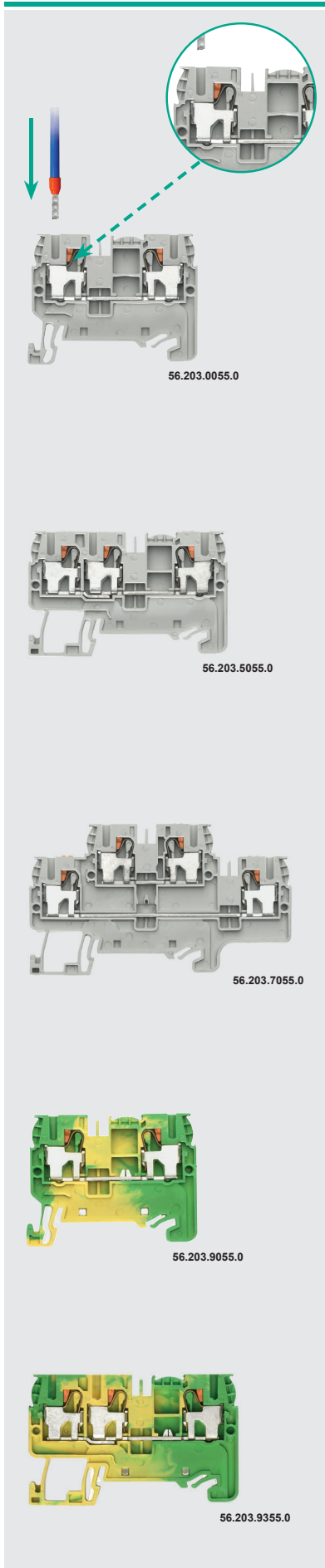
Test terminal

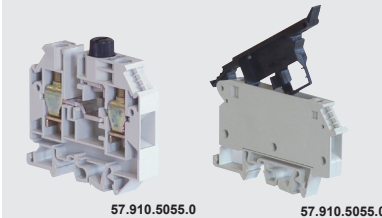
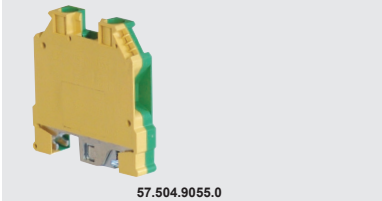
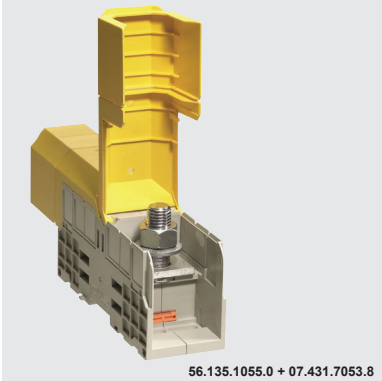
Z1.299.9753.0	PSWKC/F	0.14...4	plug-in test terminal for	WT/WTP 2.5/4
07.312.6053.0	ZP/APPS	-	end plate for above test terminal	PS WKCF

Terminal markers for all Wieland terminals

41490/PS	10 x 5 mm	self marking tag for use with Cembre printer	card of 56 pcs
9704A/*B	numeral marking tags - strip 10 similar markers (25 x strips of 10pcs = 250 per pack)		
9704A/*GB	alphabetical marking strips 10 similar markers (25 x strips of 10pcs = 250 per pack)		
* Replace by:	1/2/3/4/5/6/7/8/9/0/+/-	✦ A/B/C/D/E/F/G/H/I/J/K/L/M/N/O/P/Q/R/S/T/U/V/W/X/Y/Z	
9705A/6	marker adaptor	(increases marking area to 6 digits)	all terminals

Bridging bars - (plug-in cross connectors, see page L-1)
 DIN mounting rail, see page L-13



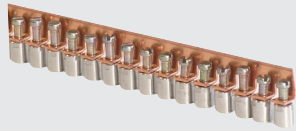


WK series - Terminal blocks - with screw connection technology

- Conformity: IEC60947-7-1 / IEC60685-2-2 / IEC60685-1 / CEI222223-20/21 / VDE0611/ CSA C22.2 / UL1059
- Approvals: SEV / ASEV / RINA / VDE / UL / CSA
- Universal marking system

type	model	wire size mm ²	amperage IEC 947-7-1	terminal width		maximum voltage
Through terminals blocks <i>universal EN50022 (DIN 35) and EN50035 (G rail)</i>						
57.503.0055.0	WK2.5/U	0.5...2.5	26A	5 mm	–	1000 V
57.504.0055.0	WK4/U	0.5...4	35A	6 mm	–	1000 V
57.506.0055.0	WK6/U	0.5...6	46A	8 mm	–	1000 V
57.510.0155.0	WKN10/U	2.5...10	63A	10 mm	–	1000 V
57.516.0155.0	WKN16/U	4...16	85A	12 mm	–	1000 V
57.535.0155.0*	WKN35/U	10...35	138A	16 mm	–	1000 V
57.570.0155.0*	WKN70/U	10...70	213A	25 mm	–	1000 V
Stud terminal blocks <i>bolt to bolt through terminal</i>						
56.135.1055.0	WRT35/M6	2.5...50	125A	27 mm	M6	1000 V
56.170.1055.0	WRT70	2.5...95	192A	32 mm	M8	1000 V
56.197.1055.0	WRT120	6...150	269A	42 mm	M10	1000 V
56.198.1055.0	WRT185	10...240	353A	55 mm	M12	1000 V
56.199.1055.0	WRT300	25...240	520A	55 mm	M16	1000 V
End plates/partitions - for above terminals						
07.311.0155.0	AP2.5-4		terminal end plates		for term.	WK2.5/4
07.311.0255.0	AP6		terminal end plates		for term.	WK6
07.311.6655.0	APN10		terminal end plates		for term.	WK10
07.311.6755.0	APN16		terminal end plates		for term.	WK16
07.431.7053.8	ADWRT35		terminal cover (2 req. per terminal)		for term.	WRT35
07.431.7153.8	ADWRT70		terminal cover (2 req. per terminal)		for term.	WRT70
07.431.7253.8	ADWRT120		terminal cover (2 req. per terminal)		for term.	WRT120
07.431.7353.8	ADWRT185/300		terminal cover (2 req. per terminal)		for term.	WRT185/300
07.311.1155.0	TW2.5-4		terminal end plate/partition		for term.	WK2.5/4
07.311.1255.0	TW6		terminal end plate/partition		for term.	WK6
07.311.7655.0	TWN10		terminal end plate/partition		for term.	WK10
07.311.7755.0	TWN16		terminal end plate/partition		for term.	WK16
Earth terminal blocks <i>yellow/green screw-on earth terminals</i>						
57.504.9055.0*	WK4SL/U	0.5...4	–	6 mm	–	1000 V
57.506.9055.0*	WK6SL/U	0.5...6	–	8 mm	–	1000 V
57.510.9055.0*	WKN10SL/U	2.5...10	–	10 mm	–	1000 V
57.516.9055.0*	WKN16SL/U	4...16	–	12 mm	–	1000 V
57.535.9055.0*	WKN35SL/U	10...35	–	16 mm	–	1000 V
Multi-tier terminal blocks						
57.403.7055.0	WKN2.5E/U	0.2...6	24A	5 mm		500 V
07.312.1755.0	APN2.5E		terminal end plate for above		for term.	WK2.5E/U
57.503.8855.0*	WK2.5-3D/U	0.14...6	32A	6 mm		500 V
57.503.7855.0*	WK2.5-4KI/U	0.14...6	32A	6 mm		800 V
Fuse terminal blocks <i>accepts 20 x 5 mm fuses</i>						
57.904.5355.0*	WK4/THSI5/U	0.5...4	6.3A	8 mm		800 V
57.910.5055.0	WK10/SI/U	1...10	10A	12 mm		500 V
07.311.4155.0	AP10/SI		terminal end plate for above		for term.	WK10/Si/U
End stops for all terminals						
Z5.523.9353.0	WEF1/35	screwless	rail mount	8 mm		"snap-on" term. end stop
Z5.523.9453.0	WEF2/35	screwless	rail mount	5 mm		"snap-on" term. end stop
Z5.522.8553.0	9708/2S35	screw mnt	rail mount	8 mm		"screw-on" term. end stop
Z5.523.5753.0	WE 1/U	screw mnt	rail mount	10 mm		"screw-on" term. end stop

* Fully insulated terminal (no end plate required)
DIN mounting rail, see page L-13



Z7.28...

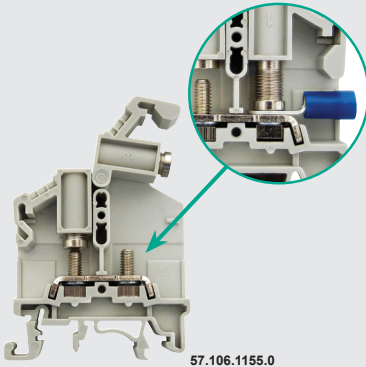
Bridging bars screw-in type for WK series terminals

type	model	wire size mm ²	no. ways	description	for terminal
Z7.280.0027.0	VBWK2.5M	2.5	80 way	bridging bar for terminal	WK2.5/U
Z7.281.0027.0	VBWK4M	4	70 way	bridging bar for terminal	WK4/U
Z7.282.0027.0	VBWK6M	6	40 way	bridging bar for terminal	WK6/U
Z7.283.6027.0	VBWKN10M	10	40 way	bridging bar for terminal	WKN10/U
Z7.284.2027.0	VBWKN16M	16	30 way	bridging bar for terminal	WKN16/U
Z7.285.2027.0	VBWKN35M	35	20 way	bridging bar for terminal	WKN35/U
07.201.1227.6	VBWRT35-2	35	2 way	bridging bar for terminal	WRT35
07.201.1327.6	VBWRT35-3	35	3 way	bridging bar for terminal	WRT35
07.201.3227.6	VBWRT70-2	70	2 way	bridging bar for terminal	WRT70
07.201.3327.6	VBWRT70-3	70	3 way	bridging bar for terminal	WRT70
07.201.5227.6	VBWRT120-2	120	2 way	bridging bar for terminal	WRT120
07.201.5327.6	VBWRT120-3	120	3 way	bridging bar for terminal	WRT120
07.201.7227.6	VBWRT185-2	185	2 way	bridging bar for terminal	WRT185
07.201.7327.6	VBWRT185-3	185	3 way	bridging bar for terminal	WRT185
07.201.9227.6	VBWRT300-2	300	2 way	bridging bar for terminal	WRT300
07.201.9327.6	VBWRT300-3	300	3 way	bridging bar for terminal	WRT300

WRT series - Terminal block with screw bolt connection (accommodates ring lugs)

Standard through terminal with threaded stud termination, incorporating a hinged section nut to accommodate ring lugs, provides a secure, safe connection preventing cable from disconnection in the event of loosened screw.

- Universal screw bolt - ring lug connection system (M4)
- Hinged terminal screw for easy access of ring lugs
- Universal marking system



57.106.1155.0

type	model	wire size (stranded)	amperage IEC 947-7-1	term. width	max. voltage
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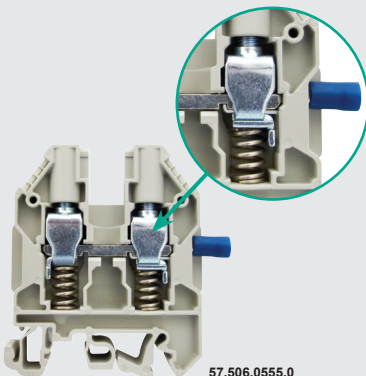
WRT terminal with stud connection to accept ring lugs

57.106.1155.0	WRT6	0.5...6	41A	11 mm	800V
07.300.6955.0	APRT6	end plate for above terminal		for term.	WRT6

WKN spring supported screw connection terminal block

Special application terminal with spring supported screw connection for use with hook blade terminals the spring provides a secure, safe connection, simultaneously preventing hook blade lug from exiting the terminal even in the event of a loosened connection.

57.506.0555.0	WKN6SF	0.5...6	41A	8 mm	800 V
57.510.0555.0	WKN10SF	2.5...10	57A	10 mm	800 V
07.313.2355.0	APN 6 SF	end plate for above terminal		for term.	WKN 6 SF
07.313.2455.0	APN 10 SF	end plate for above terminal		for term.	WKN 10 SF



57.506.0555.0

WAK busbar termination (earth/neutral)

Busbar (1 meter length)

GI06006.1	6 x 6 mm	120A	1 met.	busbar for WAK terminals
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Busbar support

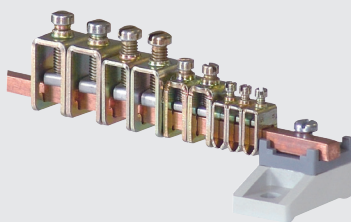
19.230.0040.0	KSO11/1ZKR	support	busbar support for 6 x 6 mm bars
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Terminals - slide-on - earth or neutral

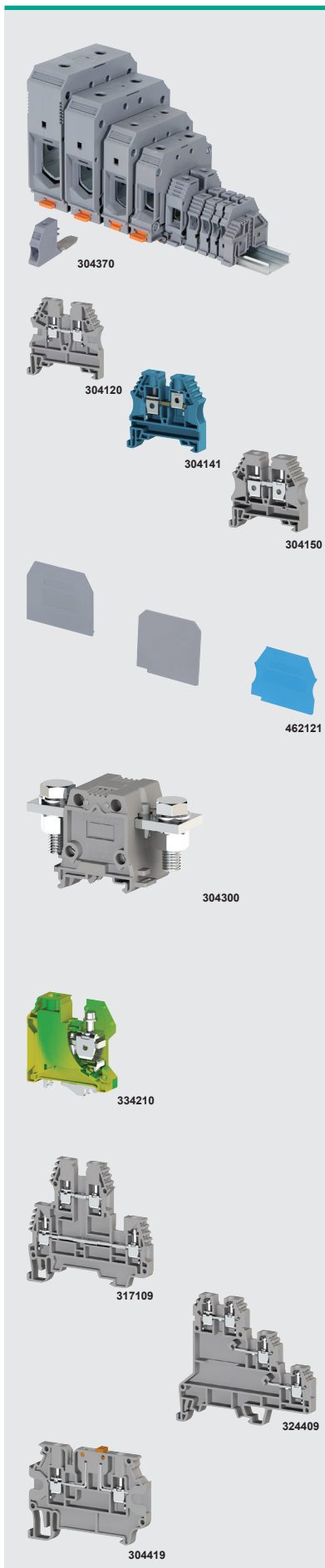
- Steel - zink plated (galvanised)

30.494.0010.0	AK4/1	0.5...4	41A	clamp terminal for 6 x 6 mm busbar
30.494.1010.0	AK16/1	1...16	76A	clamp terminal for 6 x 6 mm busbar
30.494.1110.0	AK25/3	2.5...25	41A	clamp terminal for 6 x 6 mm busbar
30.494.2510.0	AK35/3	2.5...35	125A	clamp terminal for 6 x 6 mm busbar

DIN mounting rail, see page **L-13**

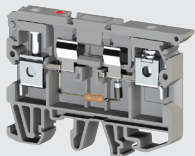


30.494...



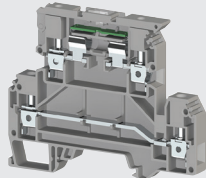
AVK series - Screw clamp terminals

type	wire size (mm ²)	amperage EN60947-7-1	terminal width		description
Standard feed through terminals					
304120	2.5 mm	24A	5 mm	grey	rail mount screw clamp terminal
304130	4 mm	32A	6 mm	grey	rail mount screw clamp terminal
304140	6 mm	41A	8 mm	grey	rail mount screw clamp terminal
304150	10 mm	57A	10 mm	grey	rail mount screw clamp terminal
304121	2.5 mm	24A	5 mm	blue	rail mount screw clamp terminal
304131	4 mm	32A	6 mm	blue	rail mount screw clamp terminal
304141	6 mm	41A	8 mm	blue	rail mount screw clamp terminal
304151	10 mm	57A	10 mm	blue	rail mount screw clamp terminal
304240	16 mm	76A	12 mm	grey	rail mount screw clamp terminal
304290	25 mm	101A	12 mm	grey	rail mount screw clamp terminal
304250*	35 mm	125A	16 mm	grey	rail mount screw clamp terminal
304330*	50 mm	150A	20 mm	grey	rail mount screw clamp terminal
304340*	95 mm	232A	25 mm	grey	rail mount screw clamp terminal
304350*	150 mm	309A	31 mm	grey	rail mount screw clamp terminal
304360*	240 mm	415A	36 mm	grey	rail mount screw clamp terminal
* Fully insulated (no end plate required)					
304370	6 mm	41A	8 mm		plug-in auxiliary term. for 304 340/50/60
End plates for above terminals					
444120	end plate	2.5 - 10	1.5 mm	grey	for 2.5-4-6-10 mm terminals
444121	end plate	2.5 - 10	1.5 mm	blue	for 2.5-4-6-10 mm terminals
444170	end plate	16 mm	1.5 mm	grey	for 16 mm terminals
450250	end plate	25 mm	1.5 mm	grey	for 25 mm terminals
462120	partition	2.5 - 10	1.5 mm	grey	for 2.5-4-6-10 mm terminals
462121	partition	2.5 - 10	1.5 mm	blue	for 2.5-4-6-10 mm terminals
462170	partition	16 mm	1.5 mm	grey	for 16 mm terminals
Stud terminals (bolt and nut termination top and bottom)					
304300	95 mm	232A	40 mm	grey	rail mount stud terminal
304310	150 mm	309A	48 mm	grey	rail mount stud terminal
304320	240 mm	415A	53 mm	grey	rail mount stud terminal
Covers for above stud terminals					
466100	cover	-			hinged isolation cover for stud terminal 304 300
466110	cover	-			hinged isolation cover for stud terminal 304 310
466120	cover	-			hinged isolation cover for stud terminal 304 320
Earth terminals - (fully insulated no end cover required)					
334450	4 mm	-	6 mm	grn/yell	rail mount earth terminal
334460	6 mm	-	8 mm	grn/yell	rail mount earth terminal
334470	10 mm	-	10 mm	grn/yell	rail mount earth terminal
334200	16 mm	-	12 mm	grn/yell	rail mount earth terminal
334210	35 mm	-	16 mm	grn/yell	rail mount earth terminal
334190	50 mm	-	20 mm	grn/yell	rail mount earth terminal
Multi-tier terminals (PIK/PUK)					
317109	2.5 mm	24A	5 mm	two tier	rail mount terminal
319109	4 mm	32A	6 mm	two tier	rail mount terminal
324109	2.5 mm	24A	6 mm	three tier	rail mount terminal
324409	2.5 mm	24A	6 mm	three tier	sensor terminal
449019	end plate	2.5/4 mm	1.5 mm		for 2.5/4 mm 2 tier terminal 317/9109
450139	end plate	2.5 mm	1.5 mm		for 2.5 mm 3 tier terminal 324109
450169	end plate	2.5 mm	1.5 mm		for 2.5 mm sensor terminal 324409
Disconnect terminals (AVK)					
304419*	2.5 mm	16A	5 mm	grey	rail mounting disconnect terminal
304380*	4 mm	20A	6 mm	grey	rail mounting disconnect terminal
450330	end plate	2.5/4 mm	1.5 mm		for above disconnect terminals 304419/380
* 2.5/4 mm terminals accept plug-in bridge pieces 2/3/4/10 way (see page L-7)					
Terminal accessories, see page L-8					
DIN mounting rail, see page L-13					

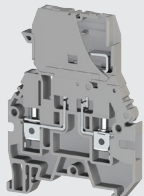


new

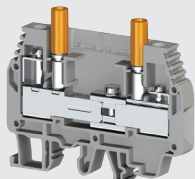
355619



355229



355109

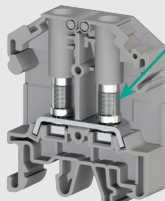
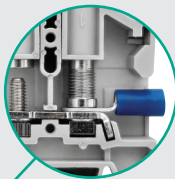


375692

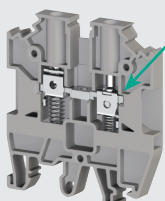
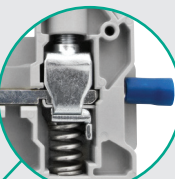
new



476302



308009



304500

AVK series - Screw clamp terminals

type	wire size (mm ²)	amperage EN60947-7-1	terminal width	description	
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Fuse terminals (ASK) - for 5 x 20 mm fuses

Low profile fused terminal - for 5 x 20 mm fuses

351109	6 mm	6.3A	8 mm	low profile fused terminal	–
351229	6 mm	6.3A	8 mm	fused term. LED indication	24V DC
351619	6 mm	6.3A	8 mm	fused term. LED indication	220V AC
450049	end plate	–	1.5 mm	for above 351 ... fused terminals	

Fused terminal with pluggable fuse section (supports spare fuse)

355109*	4 mm	10A	6.2 mm	plug-in fuse terminal	–
355229*	4 mm	10A	6.2 mm	fused term. LED indication	24V DC
355619*	4 mm	10A	6.2 mm	fused term. LED indication	220V AC
450059	end plate	–	1.5 mm	for above 355 ... fused terminals	

Two tier 1 x fused and 1 x through terminal (AVK) (supports spare fuse)

353309*	4 mm	6.3A	8 mm	two tier (one fused)	
353329*	4 mm	6.3A	8 mm	fused term. LED indication	24V DC
450209	end plate	–	1.5 mm	for above 353 ... fused terminals	

* 353/355--- terminals accept plug-in bridge pieces (2/3/4/10 way) (see page L-8)

Special application terminals

WGO test / disconnect terminals

Used to perform required tests without disconnecting the system. Usually installed on secondary side of current transformers, permitting observation of testing equipment safe exchange of meters by bridging secondary side of transformer during exchange

375690	6 mm	41A	8 mm	terminal without test socket	
375691	6 mm	41A	8 mm	terminal with test socket	
375692	6 mm	41A	8 mm	terminal with double test socket	
476302	2 pole			sliding bridge/cross connector	for above test terminals
476303	3 pole			sliding bridge/cross connector	for above test terminals
476304	4 pole			sliding bridge/cross connector	for above test terminals
450229	end plate	–		for above test terminals	375690/1/2

2PB6/NM - Terminal block with screw bolt connection (accommodates ring lugs)

Standard through terminal with threaded stud termination, incorporating a hinged section nut to accommodate a ring lug, provides a secure, safe connection preventing cable from disconnection in the event of loosened screw.

- Universal screw bolt - ring lug connection system (M4)
- Hinged terminal cover for easy access for ring lugs

PB6/NM - Terminal with stud connection to accept ring lugs

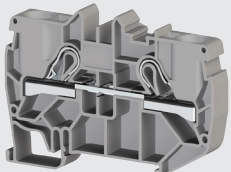
308009	0.5...6	41A		11 mm bolt connection terminal block	
451019	end plate	–		for above bolt connection terminal	308009

AVK Y series - Spring supported screw connection terminal block

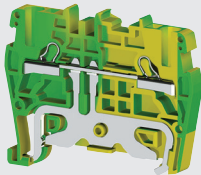
Special application terminal with spring supported screw connection for use with hook blade terminals the spring provides a secure, safe connection, simultaneously preventing hook blade lug from exiting the terminal even in the event of a loosened connection.

304500	0.2...6	32A	6 mm	spring assisted terminal block	
304510	0.5...10	41A	8 mm	spring assisted terminal block	
304520	0.5...16	57A	10 mm	spring assisted terminal block	
450300	end plate	–		for above spring assisted terminal	304500/10
450260	end plate	–		for above spring assisted terminal	304520

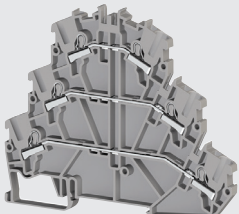
Terminal accessories, see page L-8
DIN mounting rail, see page L-13



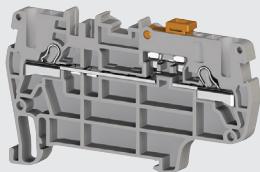
307139



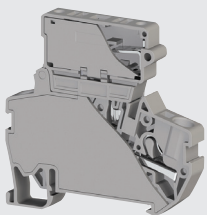
336500



307199



307169



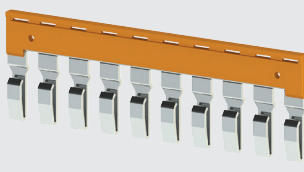
307249



476602



476604



476249

PYK series - "Push-in" spring clamp terminals

Cable connection is made by simply "pushing" the cable into the terminal without the need for tools. Secure connection is guaranteed in all conditions saving time in terminating. If required, cable can easily be removed with the use of a screwdriver. The easy "push-in" termination together with "plug-in" bridging combs combine to speed up connection of terminals, providing a rapid, secure, safe connection over time.

type	wire size (mm ²)	amperage EN60947-7-1	terminal width	description	
Feed through terminals (PYK)					
307019	1.5 mm	17.5A	4.2 mm	rail mount spring clamp terminal	
307109	2.5 mm	24A	5 mm	rail mount spring clamp terminal	
307119	4 mm	32A	6 mm	rail mount spring clamp terminal	
307129	6 mm	41A	8 mm	rail mount spring clamp terminal	
307139	10 mm	57A	10 mm	rail mount spring clamp terminal	
446639	end plate	–	1.2 mm	for 1.5 mm terminal	307019
446449	end plate	–	1.2 mm	for 2.5 mm terminal	307109
446459	end plate	–	1.2 mm	for 4.0 mm terminal	307119
446469	end plate	–	1.2 mm	for 6.0 mm terminal	307129
446479	end plate	–	1.2 mm	for 10.0 mm terminal	307139
Earth terminals - yellow/green screw-less, clip-on earth terminals					
336500	2.5 mm	24A	5 mm	rail mount spring clamp earth terminal	
336510	4 mm	32A	6 mm	rail mount spring clamp earth terminal	
336520	6 mm	41A	8 mm	rail mount spring clamp earth terminal	
336530	10 mm	57A	10 mm	rail mount spring clamp earth terminal	
446442	end plate	–	1.2 mm	for 2.5 mm earth terminal	336500
446452	end plate	–	1.2 mm	for 4.0 mm earth terminal	336510
446462	end plate	–	1.2 mm	for 6.0 mm earth terminal	336520
446472	end plate	–	1.2 mm	for 10.0 mm earth terminal	336530
Multi-tier terminals					
307179	2.5mm	24A	5 mm	two tier	spring clamp terminal
307199	2.5mm	24A	5 mm	three tier	spring clamp terminal
446519	end plate	–	1.2 mm	for 2.5 mm 2 tier terminal	307179
446529	end plate	–	1.2 mm	for 2.5 mm 3 tier terminal	307199
Disconnect terminals					
307169	2.5 mm	20A	5 mm	rail mount disconnect terminal	
446509	end plate	–	1.2 mm	for disconnect terminal	307169
Fuse terminals - for 5 x 20 mm fuses <i>fully insulated - no end plate required</i>					
307249	2.5 mm	10A	8 mm	rail mount fused terminal	
307259	2.5 mm	10A	8 mm	fused term. LED indication	24 VDC
307269	2.5 mm	10A	8 mm	fused term. LED indication	220 VAC
PYK test terminal (plug-in) <i>plugs into standard PYK range terminals</i>					
498559	1.5 mm	plug-in test terminal		<i>(provides an additional terminal outlet)</i>	
Cross connectors (plug-in bridging bars)					
476602	UK1.5/2	2 pole	4.2 mm	plug-in bridge piece for terminals	
476603	UK1.5/3	3 pole	4.2 mm	plug-in bridge piece for terminals	
476604	UK1.5/4	4 pole	4.2 mm	plug-in bridge piece for terminals	
476609	UK1.5/10	10 pole	4.2 mm	plug-in bridge piece for terminals	
476222	UK2.5/2	2 pole	5 mm	plug-in bridge piece for terminals	
476223	UK2.5/3	3 pole	5 mm	plug-in bridge piece for terminals	
476224	UK2.5/4	4 pole	5 mm	plug-in bridge piece for terminals	
476229	UK2.5/10	10 pole	5 mm	plug-in bridge piece for terminals	
476232	UK4/2	2 pole	6 mm	plug-in bridge piece for terminals	
476233	UK4/3	3 pole	6 mm	plug-in bridge piece for terminals	
476234	UK4/4	4 pole	6 mm	plug-in bridge piece for terminals	
476239	UK4/10	10 pole	6 mm	plug-in bridge piece for terminals	
476242	UK6/2	2 pole	8 mm	plug-in bridge piece for terminals	
476243	UK6/3	3 pole	8 mm	plug-in bridge piece for terminals	
476244	UK6/4	4 pole	8 mm	plug-in bridge piece for terminals	
476249	UK6/10	10 pole	8 mm	plug-in bridge piece for terminals	
476252	UK10/2	2 pole	10 mm	plug-in bridge piece for terminals	
476253	UK10/3	3 pole	10 mm	plug-in bridge piece for terminals	
476254	UK10/4	4 pole	10 mm	plug-in bridge piece for terminals	
476259	UK10/10	10 pole	10 mm	plug-in bridge piece for terminals	

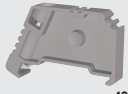
DIN mounting rail, see page L-13

Bridging bars (cross-connection) for screw type through terminals

type	ref.	poles	for term. width	description	
Screw-in bridging bars (internal) for 2.5 - 240 mm terminals					
474122	UK2.5/2	2 pole	5 mm	bridge piece for std + 2 tier terminal	304 120
474123	UK2.5/3	3 pole	5 mm	bridge piece for std + 2 tier terminal	304 120
474124	UK2.5/4	4 pole	5 mm	bridge piece for std + 2 tier terminal	304 120
474129	UK2.5/10	10 pole	5 mm	bridge piece for std + 2 tier terminal	304 120
474210	UK2.5/50	50 pole	5 mm	bridge piece for std + 2 tier terminal	304 120
474132	UK4/2	2 pole	6 mm	bridge piece for std + 2 tier terminal	304 130
474133	UK4/3	3 pole	6 mm	bridge piece for std + 2 tier terminal	304 130
474134	UK4/4	4 pole	6 mm	bridge piece for std + 2 tier terminal	304 130
474139	UK4/10	10 pole	6 mm	bridge piece for std + 2 tier terminal	304 130
474190	UK4/50	50 pole	6 mm	bridge piece for std + 2 tier terminal	304 130
480132	UK2.5/2	2 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109
480133	UK2.5/3	3 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109
480134	UK2.5/4	4 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109
480139	UK2.5/10	10 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109
474142	UK6/2	2 pole	8 mm	screw-in bridge piece for terminals	304 140
474143	UK6/3	3 pole	8 mm	screw-in bridge piece for terminals	304 140
474144	UK6/4	4 pole	8 mm	screw-in bridge piece for terminals	304 140
474149	UK6/10	10 pole	8 mm	screw-in bridge piece for terminals	304 140
474152	UK10/2	2 pole	10 mm	screw-in bridge piece for terminals	304 150
474153	UK10/3	3 pole	10 mm	screw-in bridge piece for terminals	304 150
474154	UK10/4	4 pole	10 mm	screw-in bridge piece for terminals	304 150
474159	UK10/10	10 pole	10 mm	screw-in bridge piece for terminals	304 150
474162	UK16/2	2 pole	12 mm	screw-in bridge piece for terminals	304 160
474163	UK16/3	3 pole	12 mm	screw-in bridge piece for terminals	304 160
474164	UK16/4	4 pole	12 mm	screw-in bridge piece for terminals	304 160
474169	UK16/10	10 pole	12 mm	screw-in bridge piece for terminals	304 160
474172	UK35/2	2 pole	16 mm	screw-in bridge piece for terminals	304 240
474173	UK35/3	3 pole	16 mm	screw-in bridge piece for terminals	304 240
474174	UK35/4	4 pole	16 mm	screw-in bridge piece for terminals	304 240
474179	UK35/10	10 pole	16 mm	screw-in bridge piece for terminals	304 240
478332	UK50/2	2 pole	20 mm	screw-in bridge piece for terminals	304 330
478333	UK50/3	3 pole	20 mm	screw-in bridge piece for terminals	304 330
478334	UK50/4	4 pole	20 mm	screw-in bridge piece for terminals	304 330
478342	UK95/2	2 pole	25mm	screw-in bridge piece for terminals	304 340
478343	UK95/3	3 pole	25mm	screw-in bridge piece for terminals	304 340
478344	UK95/4	4 pole	25mm	screw-in bridge piece for terminals	304 340
478352	UK150/2	2 pole	31 mm	screw-in bridge piece for terminals	304 350
478353	UK150/3	3 pole	31 mm	screw-in bridge piece for terminals	304 350
478354	UK150/4	4 pole	31 mm	screw-in bridge piece for terminals	304 350
478362	UK240/2	2 pole	36 mm	screw-in bridge piece for terminals	304 360
478363	UK240/3	3 pole	36 mm	screw-in bridge piece for terminals	304 360
478364	UK240/4	4 pole	36 mm	screw-in bridge piece for terminals	304 360

Comb type bridge pieces (external)

476262	TKO2.5/2	2 pole	5 mm	comb bridge for std screw terminal	304 200
476263	TKO2.5/3	3 pole	5 mm	comb bridge for std screw terminal	304 200
476264	TKO2.5/4	4 pole	5 mm	comb bridge for std screw terminal	304 200
476269	TKO2.5/10	10 pole	5 mm	comb bridge for std screw terminal	304 200
476272	TKO4/2	2 pole	6 mm	comb bridge for std screw terminal	304 210
476273	TKO4/3	3 pole	6 mm	comb bridge for std screw terminal	304 210
476274	TKO4/4	4 pole	6 mm	comb bridge for std screw terminal	304 210
476279	TKO4/10	10 pole	6 mm	comb bridge for std screw terminal	304 210
476282	TKO6/2	2 pole	8 mm	comb bridge for std screw terminal	304 140
476283	TKO6/3	3 pole	8 mm	comb bridge for std screw terminal	304 140
476284	TKO6/4	4 pole	8 mm	comb bridge for std screw terminal	304 140
476289	TKO6/10	10 pole	8 mm	comb bridge for std screw terminal	304 140
476292	TKO10/2	2 pole	10 mm	comb bridge for std screw terminal	304 150
476293	TKO10/3	3 pole	10 mm	comb bridge for std screw terminal	304 150
476294	TKO10/4	4 pole	10 mm	comb bridge for std screw terminal	304 150
476299	TKO10/10	10 pole	10 mm	comb bridge for std screw terminal	304 150



495049



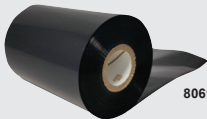
495099



811750



806000



806100



508700



808551

type	wire size (mm ²)	amperage EN60947-7-1	term. width	description
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End stops for all terminals

495049	end stop	screw type	7.5 mm	economical screw type terminal rail end stop
495059*	end stop	screwless	7.5 mm	clamp-on terminal rail end stop
495219*	end stop	screw type	7.5 mm	heavy duty screw type terminal rail end stop
495099*	end stop	screw type	7.5 mm	large HD 50 - 240 mm terminal rail end stop

* Accepts group marking support 49613A (below) ratchet type for height adjustment

Group marking

49613A	support	group marking support for all *	terminal end stops (W) 6 mm
496300	support	group marking support for terminal end stop	495219 (W) 7 mm
496310	support	DIN rail mounting group marking support	(W) 7 mm

Terminal markers on cards for printing by thermal printer

type	print area (mm)	for term width (mm)	colour	description	labels per card	cards per pack
811750	5 x 10	5 mm	white	blank terminal markers	72	10
812250	6 x 10	6 mm	white	blank terminal markers	60	10
812750	8 x 10	8 mm	white	blank terminal markers	48	10
813100	10 x 10	16/12/20/10	white	blank terminal markers	36	10
808458	11.2 x 100	20...36	white	blank terminal markers	12	20

Thermal printer for personalised printing of above terminal markers

806000 KleCard printer for above terminal markers

Klecard thermal printer ribbons

806100	KL-RB ribbon	black	Klecard resin ribbons	110 x 300 mm
806101	KL-RB ribbon	red	Klecard resin ribbons	110 x 300 mm
806102	KL-RB ribbon	blue	Klecard resin ribbons	110 x 300 mm

Clip-on printable cable markers

For use with KleCard thermal printer

type	print area (mm)	cable cross section mm ²	colour	description	labels per pack	cards per pack
814300	4 x 12	0.5...1.5	white	clip-on cable marker	40	6 (240)
814500	4 x 12	1.5...2.5	white	clip-on cable marker	36	5 (180)
814700	4 x 12	4.0...6.0	white	clip-on cable marker	32	4 (128)
814900	4 x 18	0.5...1.5	white	clip-on cable marker	40	6 (240)
815100	4 x 18	1.5...2.5	white	clip-on cable marker	36	5 (180)
815300	4 x 18	4.0...6.0	white	clip-on cable marker	32	4 (128)

Panel labelling system

Tag holder for attractive, professional labelling of panels

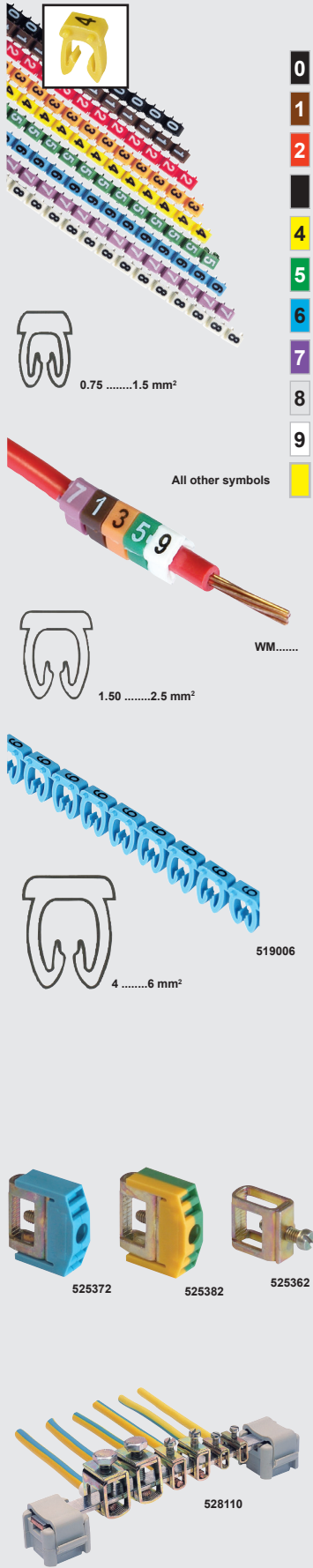
508600	30 x 17	holder	black	self adhesive panel tag/label holder/frame
508601	52 x 17	holder	black	self adhesive panel tag/label holder/frame
508602	70 x 17	holder	black	self adhesive panel tag/label holder/frame
508700	30 x 17	Ø22.5 mm	black	pushbutton tag/label holder/frame

Markable inserts for above holder/frame

/_* provide marking requirements

808551/_*	27 x 15	label	white	markable tag insert for above label holders
808554/_*	50 x 15	label	white	markable tag insert for above label holders
808555/_*	67 x 15	label	white	markable tag insert for above label holders
808601/_*	27 x 15	label	yellow	markable tag insert for above label holders
808604/_*	50 x 15	label	yellow	markable tag insert for above label holders
808605/_*	67 x 15	label	yellow	markable tag insert for above label holders
508813	27 x 15	—	t/parent	protection window for above label holders
508814	50 x 15	—	t/parent	protection window for above label holders
508815	67 x 15	—	t/parent	protection window for above label holders

/_* Insert marking requirement



Wire markers 0.5 mm² - 6 mm²

- Clip-on wire markers simply clip directly onto already installed cables
(no need to remove wire from terminals to mark them)
- Markers incorporate small guide pins, ensuring perfect alignment of markers when mounted on cables
- Mounted markers provide firm secure mounting onto wires (not easily removable)
- Made of polyamide 6.6 (ambient temperature -30°C - +70°C)
- Supplied in packs of all one numerical, alphabetical, symbol : alphabet 200 pcs per pack
: numerical 500 pcs per pack

type	character	colour	wire size mm ²	description	qty per pack
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WM01 marker for cables (cross-section 0.5 mm² - 1.5 mm²)

517000	"0"	black	0.5-1.5	clip-on cable marker	500
517001	"1"	brown	0.5-1.5	clip-on cable marker	500
517002	"2"	red	0.5-1.5	clip-on cable marker	500
517003	"3"	orange	0.5-1.5	clip-on cable marker	500
517004	"4"	yellow	0.5-1.5	clip-on cable marker	500
517005	"5"	green	0.5-1.5	clip-on cable marker	500
517006	"6"	blue	0.5-1.5	clip-on cable marker	500
517007	"7"	purple	0.5-1.5	clip-on cable marker	500
517008	"8"	grey	0.5-1.5	clip-on cable marker	500
517009	"9"	white	0.5-1.5	clip-on cable marker	500
519514/_*	/_*	yellow	0.5-1.5	clip-on cable marker	200

WM02 marker for cables (cross-section 1.5 mm² - 2.5 mm²)

518000	"0"	black	1.5-2.5	clip-on cable marker	500
518001	"1"	brown	1.5-2.5	clip-on cable marker	500
518002	"2"	red	1.5-2.5	clip-on cable marker	500
518003	"3"	orange	1.5-2.5	clip-on cable marker	500
518004	"4"	yellow	1.5-2.5	clip-on cable marker	500
518005	"5"	green	1.5-2.5	clip-on cable marker	500
518006	"6"	blue	1.5-2.5	clip-on cable marker	500
518007	"7"	purple	1.5-2.5	clip-on cable marker	500
518008	"8"	grey	1.5-2.5	clip-on cable marker	500
518009	"9"	white	1.5-2.5	clip-on cable marker	500
519524/_*	/_*	yellow	1.5-2.5	clip-on cable marker	200

WM03 marker for cables (cross-section 4 mm² - 6 mm²)

519000	"0"	black	4.0...6.0	clip-on cable marker	500
519001	"1"	brown	4.0...6.0	clip-on cable marker	500
519002	"2"	red	4.0...6.0	clip-on cable marker	500
519003	"3"	orange	4.0...6.0	clip-on cable marker	500
519004	"4"	yellow	4.0...6.0	clip-on cable marker	500
519005	"5"	green	4.0...6.0	clip-on cable marker	500
519006	"6"	blue	4.0...6.0	clip-on cable marker	500
519007	"7"	purple	4.0...6.0	clip-on cable marker	500
519008	"8"	grey	4.0...6.0	clip-on cable marker	500
519009	"9"	white	4.0...6.0	clip-on cable marker	500
519534/_*	/_*	yellow	4.0...6.0	clip-on cable marker	200

/_* Insert marking requirement A,B,C...Z/+/-/■/▲/ or other)

Clamping yokes (slide onto 10 x 3 mm busbar)

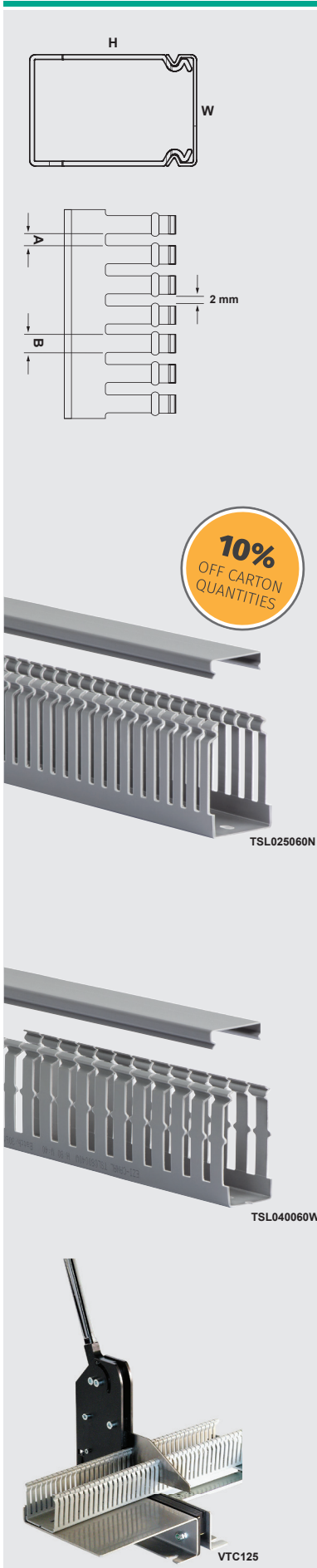
Clamping yokes can be slid onto a 10 x 3 mm flat busbar to make up any size earth or neutral bar with terminals to accommodate 4/10/35 mm² cables

type	cable size mm ²	insulation	description
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525361	0.5 - 4	clamp	none	bar mount clamping yoke	BK4
525362	2.5 - 10	clamp	none	bar mount clamping yoke	BK10
525363	16 - 35	clamp	none	bar mount clamping yoke	BK35
525371	0.5 - 4	clamp	blue (neut.)	bar mount clamping yoke	IBK4
525372	2.5 - 10	clamp	blue (neut.)	bar mount clamping yoke	IBK10
525373	16 - 35	clamp	blue (neut.)	bar mount clamping yoke	IBK35
525381	0.5 - 4	clamp	grn/yel (E)	bar mount clamping yoke	IBK4
525382	2.5 - 10	clamp	grn/yel (E)	bar mount clamping yoke	IBK10
525383	16 - 35	clamp	grn/yel (E)	bar mount clamping yoke	IBK35

Accessories for above clamping yokes

GI03010.1	10 x 3 mm	Cu flat copper bar for above clamping yokes	1 meter
528110	screw	universal support for single bars (10 x 3/6 x 6/15 x 3 mm)	
495109	rail mnt	DIN universal support for up to three bars (10 x 3/6 x 6 mm)	



Slotted trunking

Ezi Canal slotted cable ducting features an improved cover design for ease of opening and closing, permitting easy access to wiring in control panels. Meets maximum wire capacity requirements and space constraints (*from small control panels to large integrated systems*) to provide effective support for demanding wire management solutions.

Manufactured from high-impact, self-extinguishing, warp-proof rigid PVC material providing a shock proof insulated protection solution resistant to acids, oils and grease. Used for general purpose control panel wiring to provide improved aesthetics and a neater wire management solution in high density control panels.

- Simple open/close cover design for easy access to wiring in control panel
- Double score-line permits finger/slot or complete sidewall removal
- Coining process for burr-free edges to protect hands and wiring from abrasion
- Restricted slot design retains wire within slot for fast, easy wire installation or removal
- Duct and cover form a flush sidewall to provide increased capacity and improved appearance
- UL94 flammability rating V-0 for excellent flame retardation

Standard colour: Grey - others available on request (*volume dependant*)
 Standard length: Supplied in two meter lengths, complete with covers

type	dimensions (mm)		colour	description	slot A (mm)	finger B (mm)	carton qty (L - 2 m)
	(W)	(H)					

Narrow slotted trunking Finger: 6 mm / Slot - 4 mm (*10 mm pitch*)

• Narrow slot/finger design to closely fit spacing of high density terminal blocks and I/O modules

KKC1518	15	18	grey	PVC slotted cable trunking	5	7.5	112
TSL025025N	25	25	grey	PVC slotted cable trunking	4	6	48
TSL025040N	25	40	grey	PVC slotted cable trunking	4	6	40
TSL040040N	40	40	grey	PVC slotted cable trunking	4	6	24
TSL060040N	60	40	grey	PVC slotted cable trunking	4	6	24
TSL080040N	80	40	grey	PVC slotted cable trunking	4	6	18
TSL025060N	25	60	grey	PVC slotted cable trunking	4	6	30
TSL040060N	40	60	grey	PVC slotted cable trunking	4	6	28
TSL060060N	60	60	grey	PVC slotted cable trunking	4	6	18
TSL080060N	80	60	grey	PVC slotted cable trunking	4	6	14
TSL100060N	100	60	grey	PVC slotted cable trunking	4	6	12
TSL025080N	25	80	grey	PVC slotted cable trunking	4	6	28
TSL040080N	40	80	grey	PVC slotted cable trunking	4	6	20
TSL060080N	60	80	grey	PVC slotted cable trunking	4	6	12
TSL080080N	80	80	grey	PVC slotted cable trunking	4	6	8
TSL100080N	100	80	grey	PVC slotted cable trunking	4	6	8
TSL040100N	40	100	grey	PVC slotted cable trunking	4	6	16
TSL060100N	60	100	grey	PVC slotted cable trunking	4	6	12
TSL080100N	80	100	grey	PVC slotted cable trunking	4	6	8
TSL100100N	100	100	grey	PVC slotted cable trunking	4	6	8

Wide slotted trunking Finger: 12 mm / Slot - 8 mm (*20 mm pitch*)

TSL040060W	40	60	grey	PVC slotted cable trunking	8	12	28
TSL060060W	60	60	grey	PVC slotted cable trunking	8	12	18
TSL080060W	80	60	grey	PVC slotted cable trunking	8	12	14
TSL100060W	100	60	grey	PVC slotted cable trunking	8	12	12
TSL040080W	40	80	grey	PVC slotted cable trunking	8	12	20
TSL060080W	60	80	grey	PVC slotted cable trunking	8	12	12
TSL080080W	80	80	grey	PVC slotted cable trunking	8	12	8
TSL100080W	100	80	grey	PVC slotted cable trunking	8	12	8
TSL040100W	40	100	grey	PVC slotted cable trunking	8	12	16
TSL060100W	60	100	grey	PVC slotted cable trunking	8	12	12
TSL080100W	80	100	grey	PVC slotted cable trunking	8	12	8
TSL100100W	100	100	grey	PVC slotted cable trunking	8	12	8

Note: 10% off list price for full carton quantities of **TSL** trunking (above) - add /B to end of part number (e.g **TSL025040N/B**)

Spare covers for above trunking

TSM025	25	-	grey	spare PVC trunking covers	-	-	80
TSM040	40	-	grey	spare PVC trunking covers	-	-	80
TSM060	60	-	grey	spare PVC trunking covers	-	-	80
TSM080	80	-	grey	spare PVC trunking covers	-	-	80
TSM100	100	-	grey	spare PVC trunking covers	-	-	68

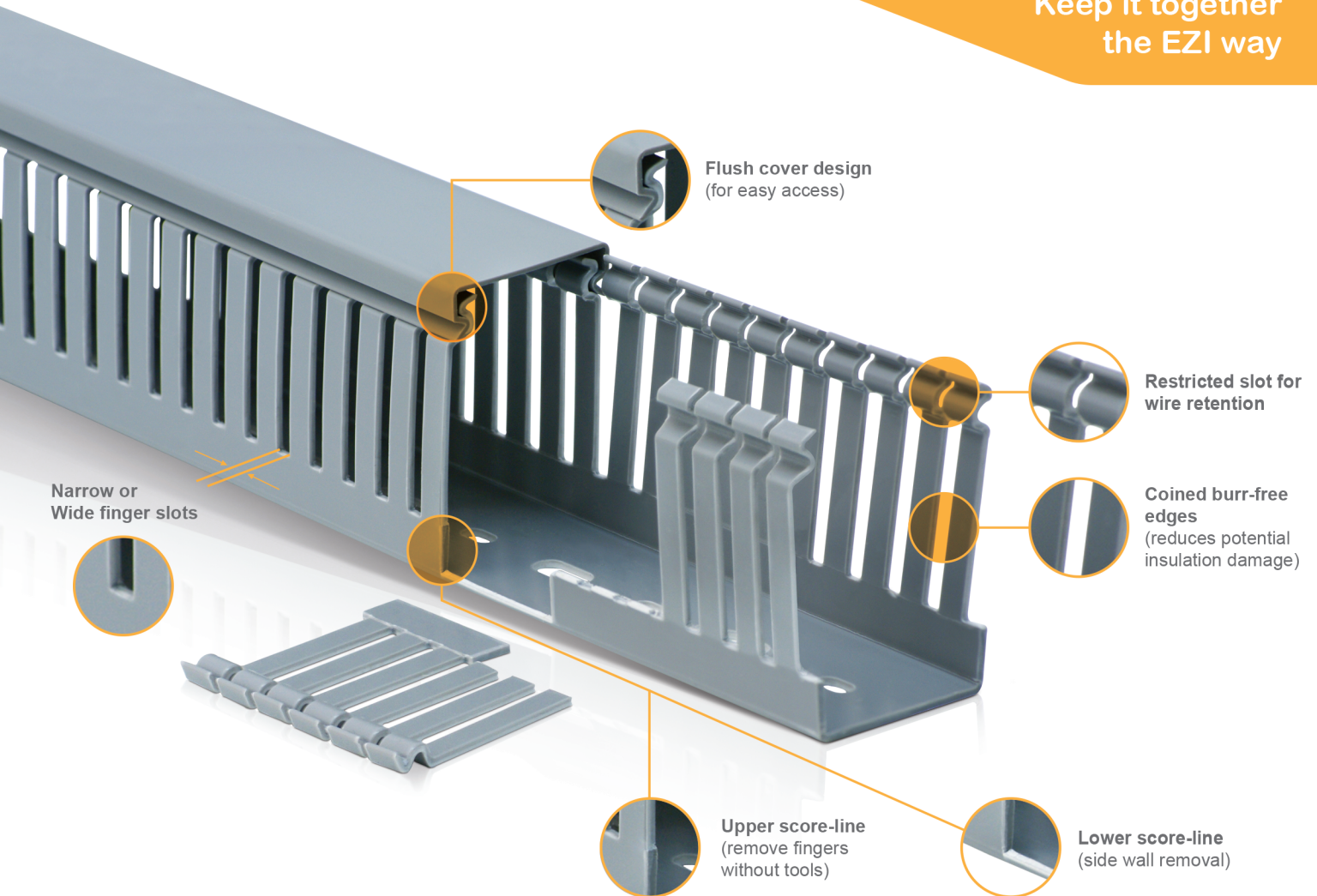
Trunking accessories

553415	84	14	grey	sectionable cable retainer clip			(10 pcs)
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For **VTC125** - wiring duct cutter, see page (L-13)

Locally manufactured from high impact, self-extinguishing, warp-proof rigid PVC

Keep it together
the EZI way



Quick and easy to install

- Simple open/close cover design for easy access to wiring in control panels.
- Double score-line permits finger/slot removal or complete sidewall removal.
- Coining process for burr-free edges to protect hands and wiring from abrasion.



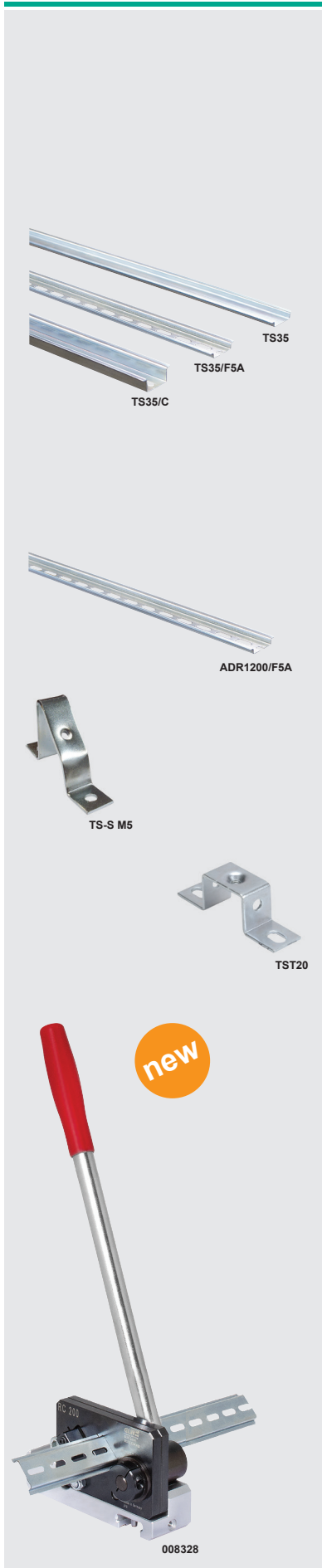
Enhances aesthetics and clarity

- Restricted slot/finger design to closely fit spacing for high density terminal blocks and input/output modules.
- Duct and cover form a flush sidewall to provide increased capacity.



Provides complete electrical insulation

- UL94 flammability rating V-O for excellent flame retardation.
- Supplied in 2 meter lengths.
- Spare covers available on request.
- Shock proof insulated protection solution, resistant to acids, oils and grease.



DIN mounting rail

Passivation process for Electro DIN rail does not contain hazardous substances and complies fully with RoHS directives 2002/95/EC. New electrolytic zinc-plating treatment is far superior and fully replaces previous Hexavalent Chrome treatment which contains Lead (*usually a "yellowish" finish*) now banned in most countries.

type	rail	depth	description		length
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Steel mounting rail EN 60715

- High quality, galvanic zinc plating - white passivation "Cr VI free" fully **RoHS** compliant

Standard

1 mm thick

TS35	DIN 35	7.5 mm	standard DIN mounting rail	plain	2 meter
TS35/F5A*	DIN 35	7.5 mm	standard DIN mounting rail	perforated	2 meter
TS35/SF6*	DIN 35	10 mm	standard DIN mounting rail	perforated	2 meter

Heavy duty

1.5 mm steel

TS35/C	DIN 35	15 mm	HD standard DIN mounting rail	plain	2 meter
TS35/CF5A*	DIN 35	15 mm	HD standard DIN mounting rail	perforated	2 meter

* Perforated - slot **F5A** = 18 x 5.2 mm / **F6** = 18 x 6.3 mm (25 mm between centres)

Stainless steel mounting rail (INOX) 1 mm thick

- Perforated slot - 18 x 5.2 mm (25 mm between centres)

TS35/F6 INOX	DIN 35	7.5 mm	stainless steel DIN mounting rail	perforated	2 meter
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Aluminium mounting rail 1.1 mm thick

- Perforated slot - 20 x 4.8 mm (35 mm between centres)

ADR1200/F5A	DIN 35	7.5 mm	aluminium DIN mounting rail	perforated	2 meter
CUT-ADR	DIN 35	7.5 mm	aluminium DIN rail cutter	<i>(for aluminium rail only)</i>	

Accessories for DIN rail

type	rail	high	description		mounting hole
TS-S M5	bracket	48 mm	angled stand-off DIN rail support bracket		M5
TST20	bracket	20 mm	steel support brackets for raising DIN rail		M6
TST30	bracket	30 mm	steel support brackets for raising DIN rail		M6
TST40	bracket	40 mm	steel support brackets for raising DIN rail		M6
TST50	bracket	50 mm	steel support brackets for raising DIN rail		M6
TST70	bracket	70 mm	steel support brackets for raising DIN rail		M6
FIX KLIP M4	DIN 35	-	M4 DIN rail mounting clip for components		M4
FIX KLIP M5	DIN 35	-	M5 DIN rail mounting clip for components		M5

Category-M

DIN rail cutter made in Germany **GLW**

DIN rail cutter (*for steel mounting rail only*)

DIN rail is often cut by saw or angle grinder creating dust, noise, and a considerable risk of injury. **The RC200** is a high quality, professional DIN rail cutter designed for high output, offering "burr-free" precision cut and trim of standard DIN rails.

- Incorporates two cut profiles (7.5 x 35 and 15 x 35 mm) DIN rails
- Precision "burr-free" cut and trim of DIN rail to length without waste
- Increased work safety and quiet operation

see page
M-8 for
info

type	rail	for depth	description	
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RC200 DIN rail cutter <i>for DIN 35 rail 7.5 and 15 mm deep</i>				
008328	cutter	7.5 + 15 mm	DIN rail cutter (2 profiles) for 7.5/15 mm high x 35 mm rail	

Accessories for above RC200 DIN rail cutter

009465	scale	metric scale plate and length stop for above DIN rail cutter		RC200
009102	clamp	table clamp for above DIN rail cutter		RC200

Wiring duct cutter (professional) *with 1 meter graduated dimension rule + length stop*

For fast, accurate cutting of wiring ducts to length without burrs and with very little force

VTC 125 wiring duct cutter (*made in Italy*)

- Burr-free cut edges - No noise, no chips or dust
- Quick and easy cutting - ducts cut precisely to the millimetre

VTC125	trunking	125 mm	precision slotted wiring duct (<i>trunking</i>) cutter	<i>all sizes</i>
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Distribution blocks

- 1 pole (*stackable horizontally*) clips together to add additional poles
- Rapid horizontal installation on 35 mm DIN rail
- Extremely compact, all side finger-safe DIN EN 50274
- Terminal body: Brass (CuZn39Pb2) Housing: Self-extinguishing, halogen free
- 1000V AC/DC - DIN/EN 60947-7-1

type	rated current	feed-in terminals		output terminals mm ²				description	designation
		max. cable (mm ²)	busbar (mm)	10	16	25	50		

HLAK - Main line/branch terminals

080110-0-4	152A	25 mm ²	–		2x			rail mount terminals	Line	
080110-1-4	152A	25 mm ²	–		2x			rail mount terminals	Neutral	
080110-2-4	152A	25 mm ²	–		2x			rail mount terminals	Earth	
080210-0-4	202A	35 mm ²	–			2x		rail mount terminals	Line	
080210-1-4	202A	35 mm ²	–			2x		rail mount terminals	Neutral	
080210-2-4	202A	35 mm ²	–			2x		rail mount terminals	Earth	
080310-0-4	300A	70 mm ²	–				2x	rail mount terminals	Line	
080310-1-4	300A	70 mm ²	–				2x	rail mount terminals	Neutral	
080310-2-4	300A	70 mm ²	–				2x	rail mount terminals	Earth	

type	rated current	feed-in terminals		output terminals mm ²				description	designation
		max. cable (mm ²)	busbar (mm)	10	16	25	35		

UVB - Sub-distribution blocks for copper conductors

080010-0-4	100A	2x 25	–	6x				distribution block	Line	
080010-1-4	100A	2x 25	–	6x				distribution block	Neutral	
080010-2-4	100A	2x 25	–	6x				distribution block	Earth	
080030-0-4	200A	70	–		6x	1x		distribution block	Line	
080030-1-4	200A	70	–		6x	1x		distribution block	Neutral	
080030-2-4	200A	70	–		6x	1x		distribution block	Earth	

PDB - Power distribution blocks AI/Cu

- Suitable for Copper or Aluminium conductors (*current ratings for copper conductors*)
- DIN rail mounting or direct chassis plate mount (*horizontal or vertical*)
- Hexagon head screws for high torque connections (*captive screws*)
- Transparent cover for easy inspection of termination

082040-0-3	164A	2.5...25	–	3x	3x			distribution block	grey	
082050-0-3	214A	4...35	–	4x	2x			distribution block	grey	
082060-0-3	215A	10...70	15.5 x 5	3x	2x			distribution block	grey	
082070-0-3	270A	16...95	–		8x	2x		distribution block	grey	
082080-0-3	400A	35...120	24 x 10	4x	3x	2x		distribution block	grey	
082090-0-3	490A	95...185	24 x 10	4x	3x	2x		distribution block	grey	

SSAK - Busbar connection terminals 690V IEC 60947-7-1

Fastens directly onto busbars (3-10 mm thick) and provides 2 x outgoing 16 mm² cable terminals

- For direct cable connection to copper bars 3-10 mm thickness

type	rated current	feed-in terminals busbar (thickness)	branch terminal 1-16 mm ²	description	designation
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Insulated conductor connection terminals (H) 47.8 x (W) 15.2 x (D) 55.2 mm

- All insulated, finger-safe PA6 (*self extinguishing, halogen free*)

086105-0-4	114A	3...10 mm thick	2x 1...16 mm ²	busbar connect terminal	Line	
086105-1-4	114A			busbar connect terminal	Neutral	
086105-2-4	114A			busbar connect terminal	Earth	
086105-3-4	114A			busbar connect terminal	Line	

Uninsulated conductor connection terminals

086105-9-2	114A	3...10 mm thick	2x 1...16 mm ²	busbar connect terminal	–	–
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Feed in Terminals (H) 27.1 x (W) 17.3 x (D) 24.7 mm (without pin)

Designed for ease of feed-in to common bridging busbars used with MCB's in distribution boards

- Universal, configurable for front or (*either*) side power feed
- Screw clamp termination ensuring touch safety

084551-1-4	–	50 mm ²	insulated feed-in terminal short pin (15 mm)	grey	
084553-1-4	–	50 mm ²	insulated feed-in terminal long pin (29.5 mm)	grey	



Cable ties (Polyamide)

Elematic standard cable ties are produced exclusively in Polyamide 6.6 Black cable ties have additional carbon black providing a UV resistance for outdoor applications.

Raw material: Polyamide 6.6 Halogen-free
 Installation temperature: -10°...+60°C Flammability rating: UL 94 class V2
 Approvals: Lloyds Register, Bureau Veritas, UL, GL, Rina, DNV.

Standard Cable Ties *bent rounded tip for easier insertion through the cable tie head*

type	dimensions (mm) length width	colour	bundle Ø max. (mm)	tensile strength	description	pack qty
Cable ties <i>rounded edges for the safest application</i>						
5303/CE	98 2.5	black	21 mm	80 (N)	standard cable tie	100
5305/CE	135 2.5	black	32 mm	80 (N)	standard cable tie	100
5309/CE	140 3.5	black	35 mm	180 (N)	standard cable tie	100
5310/CE	290 3.5	black	80 mm	180 (N)	standard cable tie	100
5315/CE	200 4.5	black	50 mm	220 (N)	standard cable tie	100
5317E	290 4.5	black	79 mm	220 (N)	standard cable tie	100
5318E	390 4.5	black	106 mm	220 (N)	standard cable tie	100
5327E	365 7.5	black	100 mm	540 (N)	standard cable tie	100
5331E	540 7.5	black	158 mm	540 (N)	standard cable tie	100
5337E	500 12.5	black	143 mm	1080 (N)	standard cable tie	50
5203/CE	98 2.5	natural	21 mm	80 (N)	standard cable tie	100
5209/CE	140 3.5	natural	35 mm	180 (N)	standard cable tie	100
5210/CE	290 3.5	natural	80 mm	180 (N)	standard cable tie	100
5218E	390 4.5	natural	106 mm	220 (N)	standard cable tie	100

UV resistant cable ties *made with special additives ensuring extra resistance to UV rays*

- Excellent resistance to UV rays
- Suitable for PV photovoltaic installations

Tested according to norm CEI EN 62275 according to ISO 4892-2

5303/C UVE	98 2.5	black	21 mm	80 (N)	UVE cable tie	100
5309/C UVE	140 3.5	black	35 mm	180 (N)	UVE cable tie	100
5315/C UVE	200 4.5	black	50 mm	220 (N)	UVE cable tie	100
5317 UVE	290 4.5	black	79 mm	220 (N)	UVE cable tie	100
5327 UVE	365 7.5	black	100 mm	540 (N)	UVE cable tie	100

Belturing plus heavy duty cable ties Halogen-free *ideal for photovoltaic installations*

- Highly resistant to climatic conditions (including sea areas)
- Excellent resistance to UV rays

Produced with special techno-polymer providing exceptional UV resistance according to norm CEI EN 62275 (ISO 4892-2). Recommended for outdoor applications and prolonged UV exposure.

Raw material: Polyamide 6.6 Installation temperature: -30°...+60°C
 Flammability rating: UL 94 class HB

6450XE	180 6	black	45 mm	280 (N)	single head lock	100
6454XE	360 6	black	100 mm	280 (N)	single head lock	100
6453XE	260 9	black	60 mm	540 (N)	double head lock	100
6455XE	360 9	black	93 mm	540 (N)	double head lock	100

Cable tie supports

type	max. tie width	hole Ø (mm)	colour	tensile strength	dimensions (mm) (H) (W) (D)			pack qty
Adhesive tie mounts (fixing with screw or adhesive backing)								
5469 RBE	3.6 mm	4.1	black	180 (N)	19	19	5.0	100
5475 RBE	4.8 mm	4.8	black	220 (N)	27	27	6.5	100
5467 RBE	3.6 mm	4.1	natural	180 (N)	19	19	5.0	100
5473 RBE	4.8 mm	4.8	natural	220 (N)	27	27	6.5	100

Note: For correct application of the self-adhesive mount, surfaces must be thoroughly cleaned and degreased with solvent (alcohol or similar cleaning product)

Cradles (screw down) *ideal for fixing cables and pipes in civil and industrial applications*

Raw material: Polyamide 6.6

5499	4.8 mm	3.5	black	220 (N)	9.5	15	7	100
5497E	9.0 mm	5	black	700 (N)	14.6	22.5	11	100

Tensioning tools for cable ties

- Metal tool for tensioning cable ties with incorporated cable tie cutting device.

5406C	3.5 - 12.5	metal tensioning and cutting tool for cable ties					1
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Cable ties (stainless steel)

For use in critical applications where strength, corrosion, radiation, vibration and temperature extremes are a factor. Unique ball locking mechanism permits simple, rapid installation and secure locking in any position. High tensile strength, non flammability, UV-resistant, high resistance to acids and corrosion for a strong durable solution to bundling and mechanical fastening in harsh environments.

- Self-locking head design speeds installation and locks at any length along the tie body
- Smooth surface, rounded edges assure cable protection and worker safety

type	length (mm)	wide (mm)	thick (mm)	AISI	bundle dia max.(mm)	description	
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AISI 304 stainless steel *for general purpose applications* *per (100)*

Working temperature: -60°C – +550°C

Metallic band and buckle

SST4/15-04	150	4.6	0.25	304	37	stainless steel cable ties
SST4/25-04	250	4.6	0.25	304	63	stainless steel cable ties
SST4/35-04	350	4.6	0.25	304	89	stainless steel cable ties
SST4/45-04	450	4.6	0.25	304	115	stainless steel cable ties
SST4/55-04	550	4.6	0.25	304	141	stainless steel cable ties
SST7/25-04	250	7.9	0.25	304	63	stainless steel cable ties
SST7/45-04	450	7.9	0.25	304	115	stainless steel cable ties
SST7/60-04	600	7.9	0.25	304	154	stainless steel cable ties
SST7/80-04	800	7.9	0.25	304	193	stainless steel cable ties

AISI 316 stainless steel - Epoxy coated *for extra corrosive environments* *per (100)*

- Black band with metallic buckle
- Coated band with non-toxic, Halogen free polyester coating
- Provides additional edge protection, prevents corrosion between dissimilar materials

SSTP4/20-16	200	4.6	0.36	316	50	stainless steel cable ties
SSTP4/30-16	300	4.6	0.36	316	76	stainless steel cable ties
SSTP4/40-16	400	4.6	0.36	316	102	stainless steel cable ties
SSTP4/50-16	500	4.6	0.36	316	128	stainless steel cable ties
SSTP7/30-16	300	7.9	0.36	316	76	stainless steel cable ties
SSTP7/40-16	400	7.9	0.36	316	102	stainless steel cable ties
SSTP7/60-16	600	7.9	0.36	316	154	stainless steel cable ties
SSTP7/80-16	800	7.9	0.36	316	193	stainless steel cable ties

Marking tags - stainless steel *(cable tie max. width 4.6 mm)* *per (100)*

Stainless steel tie-on tags for permanent identification of cables, conduits, pipes in arduous applications where high resistance to aggressive environments is essential.

AISI 304 stainless steel

SSM1089-04	89	9.5	0.40	304	–	stainless steel marking tags
SSM1989-04	89	19	0.40	304	–	stainless steel marking tags

AISI 316 stainless steel

SSM1089-16	89	9.5	0.40	316	–	stainless steel marking tags
SSM1989-16	89	19	0.40	316	–	stainless steel marking tags

Laser engraved stainless steel tags (each)

Custom laser marking of tags and cable ties. Upper/lower case characters, detailed marking, text and graphics, high quality, crisp, clean and permanent.

- Once laser engraved the inscription remains with the product for life

SSM1089-04/PS*	89	9.5	0.40	304	–	custom engraved marking tags
SSM1989-04/PS*	89	19	0.40	304	–	custom engraved marking tags
SSM1089-16/PS*	89	9.5	0.40	316	–	custom engraved marking tags
SSM1989-16/PS*	89	19	0.40	316	–	custom engraved marking tags

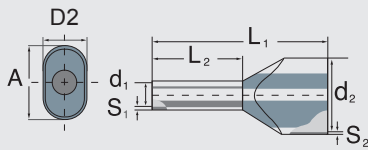
* **Print area:** L:79 x W:8.5 – * **Print area:** L:79 x W:18

Please provide detailed information on required laser engraving of tags when ordering.

Accessories (cable tie gun)

- Tensioning tool (with auto cut) for all above stainless steel cable ties
- Adjustable tension value - (4 settings)

HS-600	tensioning and cutting tool for 4.6 and 7.9 mm SS cable ties
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Crimped ferrule



Ferrules / wire end sleeves (Insulated)

- Material: Tin-plated copper (min. thickness 3µ) / polypropylene collar
- CSA certified (certificate 2110332)
- DIN 46228 part 4, CSA C22.2 No. 65-93, 188-M1983

type	wire size mm ²	colour	dimensions (mm)						pack qty
			L1	L2 ¹⁾	D1	S1	D2	D3	

Wire end sleeves with insulating collar

- Supplied in mini bags on a strip (10 x 100 pcs). bags can be torn from strip individually

005606	0.50	white	14.0	8.0	1.1	0.15	2.4	-	0.30	100
005644	0.75	blue	14.0	8.0	1.3	0.15	2.7	-	0.30	100
005718*	1.0	red	14.0	8.0	1.5	0.15	3.3	-	0.30	100
005738*	1.0	red	16.0	10.0	1.5	0.15	3.3	-	0.30	100
005765*	1.5	black	14.0	8.0	1.8	0.15	3.7	-	0.30	100
005791*	1.5	black	16.0	10.0	1.8	0.15	3.7	-	0.30	100
005808	2.5	grey	15.0	8.0	2.3	0.15	4.1	-	0.30	100
005829	2.5	grey	17.0	10.0	2.3	0.15	4.1	-	0.30	100
005831*	2.5	grey	18.0	10.0	2.3	0.15	4.7	-	0.30	100
005851	4.0	orange	18.0	10.0	2.9	0.20	4.7	-	0.30	100
007739*	4.0	grey	18.0	10.0	2.9	0.20	6.1	-	0.30	100
005871	6.0	green	20.0	12.0	3.6	0.20	6.1	-	0.30	100
005896	10.0	brown	21.0	12.0	4.6	0.20	7.4	-	0.40	100
005917	16.0	white	23.0	12.0	6.0	0.20	8.6	-	0.50	100
005919*	16.0	white	23.0	12.0	6.0	0.20	9.4	-	0.50	100
005950	25.0	black	29.0	16.0	7.5	0.20	10.9	-	0.50	50
005968	35.0	red	30.0	16.0	8.5	0.20	12.3	-	0.50	50
005980	50.0	blue	36.0	20.0	10.5	0.30	14.8	-	0.60	50
005988	70.0	yellow	37.0	20.0	12.7	0.40	15.8	-	0.60	25
005990	95.0	red	44.0	25.0	14.7	0.40	17.7	-	0.60	25
005915	120.0	blue	48.0	27.0	16.7	0.50	20.7	-	0.70	25
005916	150.0	yellow	58.0	32.0	18.7	0.50	22.6	-	1.00	25

* Broader collar to accommodate wires with thicker insulation

Twin wire end sleeves with insulating collar (accepts two cables)

type	wire size (mm ²)	colour	dimensions (mm)						pack qty
			L1	L2 ¹⁾	D1	S1	D2	A	

- Accepts two wires into one insulated end sleeve
- Supplied in mini bags on a strip (10 x 100 pcs). bags can be torn from strip individually

005613	2 x 0.5	white	15.0	8.0	1.5	0.15	2.4	4.6	0.30	100
005653	2 x 0.75	blue	15.0	8.0	1.8	0.15	2.7	5.4	0.30	100
005722	2 x 1.0	red	15.0	8.0	2.1	0.15	3.3	5.3	0.30	100
005740	2 x 1.0	red	17.0	10.0	2.1	0.15	3.3	5.3	0.30	100
005770	2 x 1.5	black	16.0	8.0	2.3	0.15	3.5	6.5	0.30	100
005794	2 x 1.5	black	20.0	12.0	2.3	0.15	3.5	6.5	0.30	100
005816	2 x 2.5	grey	19.0	10.0	2.9	0.20	4.1	7.7	0.40	100
005853	2 x 4.0	orange	23.0	12.0	3.8	0.20	4.9	8.7	0.40	100
005873	2 x 6.0	green	25.0	14.0	4.9	0.20	6.1	9.9	0.40	100
005898	2 x 10.0	brown	26.0	14.0	6.5	0.20	7.1	12.9	0.50	100
005921	2 x 16.0	white	31.0	16.0	8.5	0.20	9.8	16.8	0.60	50

Wire end sleeves with insulating collar supplied in belt strips

Wire end sleeves in belt form (K reels), for use in automatic cable preparation machines (see page M-4)
Reel/cassette simply clips onto machines (500/1000 terminals per reel)

- Tape mounted supplied in type K box dispenser (box size = 150 x 150 x 18 mm)

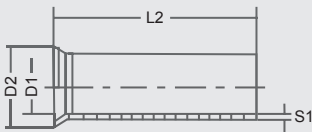
type	wire size (mm ²)	colour	dimensions (mm)						reel qty
			L1	L2 ¹⁾	D1	S1	D2	centre	

005611	0.50	white	14.5	8.0	1.1	0.15	2.6	3.5	0.25	1000
005649	0.75	blue	14.5	8.0	1.3	0.15	2.7	3.6	0.25	1000
005720	1.0	red	14.5	8.0	1.5	0.15	3.0	3.9	0.30	1000
005767	1.5	black	14.5	8.0	1.8	0.15	3.2	4.2	0.30	1000
005813	2.5	grey	14.5	8.0	2.3	0.15	4.1	5.0	0.30	500

¹⁾ Other lengths available on request



005649



Ferrules / wire end sleeves (un-insulated)

- Material: tin-plated copper (min. thickness 3µ)
- CSA certified (certificate 2110332)
- DIN 46228 part 4, CSA C22.2 No. 65-93, 188-M1983
- Supplied in standard bulk pack quantity (size dependant)

type	wire size (mm ²)	dimensions (mm)				description	pack qty
		L2 ¹⁾	D1	D2	S1		

Un-insulated wire end sleeve (cord end / bootlace terminals)

006010	0.50	–	10.0	1.0	2.1	0.15	un-insulated ferrules	1000
006015	0.75	–	10.0	1.2	2.3	0.15	un-insulated ferrules	1000
006022	1.0	–	10.0	1.4	2.5	0.15	un-insulated ferrules	1000
006031	1.5	–	10.0	1.7	2.8	0.15	un-insulated ferrules	1000
006045	2.5	–	12.0	2.2	3.4	0.15	un-insulated ferrules	1000
006053	4.0	–	12.0	2.8	4.0	0.2	un-insulated ferrules	1000
006060	6.0	–	12.0	3.5	4.7	0.2	un-insulated ferrules	1000
006068	10.0	–	12.0	4.5	5.8	0.2	un-insulated ferrules	500
006079	16.0	–	12.0	5.8	7.5	0.2	un-insulated ferrules	250
006091	25.0	–	15.0	7.3	9.5	0.2	un-insulated ferrules	100
006098	35.0	–	18.0	8.3	11.0	0.2	un-insulated ferrules	100
006102	50.0	–	18.0	10.3	13.0	0.3	un-insulated ferrules	100
006107	70.0	–	25.0	12.5	15.0	0.4	un-insulated ferrules	100
006109	95.0	–	25.0	14.5	17.0	0.4	un-insulated ferrules	50
006075	120.0	–	32.0	16.5	19.0	0.5	un-insulated ferrules	50

Available in smaller (from 0.25 mm²) and larger wire sizes (up to 240 mm²)

¹⁾ Other lengths available on request



4300-4661



4300-3129

4300-3149

made in Sweden **pressmaster**

Category-M

Crimping tools for wire end sleeves

type	for terminals	conductor (mm ²)	cable entry	description
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Pressmaster - Professional self-adjusting crimping tool

- High precision die geometry for a clearly defined square crimp shape of the ferrule
- Automatic self-adjustment to required wire size

4300-4661	ferrules	0.14...10	side	professional self-adjusting crimping tool
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Mobile frame system - with interchangeable dies for various terminals

Lightweight, compact ratchet crimp tool designed for most types of mechanical, electrical and electronic connectors. Easily interchangeable crimp dies are kept together with a special pin to simplify handling.

- Reliable crimping performance consistent and accurate with a parallel action stroke.
- Easy-access release for fast, simple exchange of crimp dies (no special tools required)

4300-3149	die dependant		side	MCT frame only for interchangeable dies
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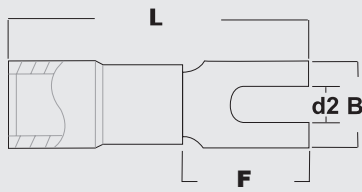
Interchangeable die sets for above tool frame

- A wide range of crimp dies to cover all applications in just one tool frame.
- Dies are kept in pairs and delivered in a modular reusable box.

4300-3129	insulated	0.5 to 4	side	red/blue insulated terminal crimping die set
4300-3128	insulated	4 to 6	side	yellow insulated terminal crimping die set
4300-3137	uninsulated	0.75 to 2.5	side	cable lug crimping die set
4300-3139	uninsulated	4 to 10	side	cable lug crimping die set
4300-3127	end sleeves	0.25 to 10	side	wire end sleeve crimping die set
4300-3153	end sleeves	16 to 25	side	wire end sleeve crimping die set
4300-3154	end sleeves	35 to 50	side	wire end sleeve crimping die set
4300-3146	open barrel	0.5 to 6	side	open barrel connector crimping die set
4300-3136	coaxial	RG58/59/62/71	side	coaxial connector crimping die set

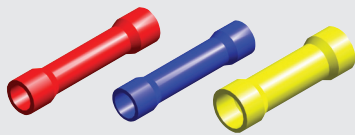
Consult the category **M-Tools** section of our catalogue for hydraulic crimpers and die sets

see page
M-3 for
info



- Maximum electrical rating: 600V
- Operating temperature: 105°C
- Material: Terminal: Copper (*tin plated*)
Insulation: Vinyl (PVC)

type	colour	wire size mm ²	description	dimensions (mm)			pack qty
				d2	B	L	
Ring terminals							
R1-3V	red	0.5 - 1.5	insulated ring lug	3.2	5.5	16.7	100
R1-3.5MV	red	0.5 - 1.5	insulated ring lug	3.7	5.5	16.7	100
R1-4SV	red	0.5 - 1.5	insulated ring lug	4.3	6.6	19.6	100
R1-4LV	red	0.5 - 1.5	insulated ring lug	4.3	8.0	21.0	100
R1-5V	red	0.5 - 1.5	insulated ring lug	5.3	8.0	21.0	100
R1-6V	red	0.5 - 1.5	insulated ring lug	6.5	11.6	26.8	100
R1-8V	red	0.5 - 1.5	insulated ring lug	8.4	11.6	26.8	100
R1-10V	red	0.5 - 1.5	insulated ring lug	10.5	13.6	30.7	100
R1-12V	red	0.5 - 1.5	insulated ring lug	13	19.2	35.6	100
R2-3V	blue	1.5 - 2.5	insulated ring lug	3.2	6.4	17.5	100
R2-3.5MV	blue	1.5 - 2.5	insulated ring lug	3.7	6.4	17.5	100
R2-4SV	blue	1.5 - 2.5	insulated ring lug	4.3	6.6	19.5	100
R2-4LV	blue	1.5 - 2.5	insulated ring lug	4.3	8.5	22.0	100
R2-5SV	blue	1.5 - 2.5	insulated ring lug	5.3	8.5	22.0	100
R2-6V	blue	1.5 - 2.5	insulated ring lug	6.5	12.0	27.0	100
R2-8V	blue	1.5 - 2.5	insulated ring lug	8.4	12.0	27.0	100
R2-10V	blue	1.5 - 2.5	insulated ring lug	10.5	13.6	30.7	100
R2-12V	blue	1.5 - 2.5	insulated ring lug	13	19.2	35.6	100
R5-3V	yellow	4.0 - 6.0	insulated ring lug	3.2	7.2	22.0	100
R5-3.5SV	yellow	4.0 - 6.0	insulated ring lug	3.7	7.2	22.0	100
R5-4SV	yellow	4.0 - 6.0	insulated ring lug	4.3	7.2	25.5	100
R5-4LV	yellow	4.0 - 6.0	insulated ring lug	4.3	9.5	25.5	100
R5-5V	yellow	4.0 - 6.0	insulated ring lug	5.3	9.5	25.5	100
R5-6V	yellow	4.0 - 6.0	insulated ring lug	6.5	12.0	29.0	100
R5-8V	yellow	4.0 - 6.0	insulated ring lug	8.4	15.0	33.7	100
R5-10V	yellow	4.0 - 6.0	insulated ring lug	10.5	15.0	33.7	100
R5-12V	yellow	4.0 - 6.0	insulated ring lug	13.0	9.2	38.1	100
Fork / Spade terminals							
S1-3V	red	0.5 - 1.5	insulated fork lug	3.2	5.8	21.0	100
S1-3.5SV	red	0.5 - 1.5	insulated fork lug	3.7	5.8	21.0	100
S1-3.5MV	red	0.5 - 1.5	insulated fork lug	3.7	6.4	20.6	100
S1-4SV	red	0.5 - 1.5	insulated fork lug	4.3	6.4	20.6	100
S1-4MV	red	0.5 - 1.5	insulated fork lug	4.3	7.2	21.0	100
S1-5SV	red	0.5 - 1.5	insulated fork lug	5.3	8.0	21.0	100
S1-6SV	red	0.5 - 1.5	insulated fork lug	6.5	9.5	21.0	100
S2-3V	blue	1.5 - 2.5	insulated fork lug	3.2	5.8	21.0	100
S2-3.5SV	blue	1.5 - 2.5	insulated fork lug	3.7	5.8	21.0	100
S2-3.5MV	blue	1.5 - 2.5	insulated fork lug	3.7	6.4	21.0	100
S2-4SV	blue	1.5 - 2.5	insulated fork lug	4.3	6.4	21.0	100
S2-4LV	blue	1.5 - 2.5	insulated fork lug	4.3	8.5	22.0	100
S2-5SV	blue	1.5 - 2.5	insulated fork lug	5.3	8.5	22.0	100
S2-6SV	blue	1.5 - 2.5	insulated fork lug	6.5	9.5	22.0	100
S5-4SV	yellow	4.0 - 6.0	insulated fork lug	4.3	8.5	25.2	100
S5-5V	yellow	4.0 - 6.0	insulated fork lug	5.3	9.5	25.2	100
S5-6SV	yellow	4.0 - 6.0	insulated fork lug	6.5	9.5	25.2	100
Pin terminals							
PT1-10V	red	0.5 - 1.5	insulated pin lug	1.9	10.5	20.5	100
PT2-10V	blue	1.5 - 2.5	insulated pin lug	1.9	10.5	20.5	100
PT2-12V	blue	1.5 - 2.5	insulated pin lug	1.9	12.5	22.5	100
PT5-13V	yellow	4.0 - 6.0	insulated pin lug	2.8	13.7	26.2	100
Ferrule / butt connector							
BB1V	red	0.5 - 1.5	insulated ferrule	1.7	–	26.0	100
BB2V	blue	1.5 - 2.5	insulated ferrule	2.3	–	26.0	100
BB5V	yellow	4.0 - 6.0	insulated ferrule	2.3	–	26.0	100



	type	colour	wire size mm ²	description	dimensions (mm)			pack qty	
					d2	B	L		
Flat-blade terminal									
	BT1-10V	red	0.5 - 1.5	insulated flat blade lug	2.4	10.7	20.7	100	
	BT1-14V	red	0.5 - 1.5	insulated flat blade lug	3	14	24	100	
	BT1-18V	red	0.5 - 1.5	insulated flat blade lug	2.4	18	28	100	
	BT2-10V	blue	1.5 - 2.5	insulated flat blade lug	2.4	10.7	20.7	100	
	BT2-13V	blue	1.5 - 2.5	insulated flat blade lug	2.4	13	23	100	
	BT2-18V	blue	1.5 - 2.5	insulated flat blade lug	2.4	18	28	100	
	BT5-10V	yellow	4.0 - 6.0	insulated flat blade lug	2.8	10	22.5	100	
	BT5-18V	yellow	4.0 - 6.0	insulated flat blade lug	3	18	30.5	100	
	Hook-blade terminal								
		LB1-3V	red	0.5 - 1.5	insulated hook blade lug	3.0	18.0	28.0	100
LB1-4.6V		red	0.5 - 1.5	insulated hook blade lug	4.6	18.0	28.0	100	
LB2-3V		blue	1.5 - 2.5	insulated hook blade lug	3.0	18.0	28.0	100	
LB2-4.6V		blue	1.5 - 2.5	insulated hook blade lug	4.6	18.0	28.0	100	
LB5-3V		yellow	4.0 - 6.0	insulated hook blade lug	3.0	17.5	30.0	100	
LB5-4.6V		yellow	4.0 - 6.0	insulated hook blade lug	4.6	17.5	30.0	100	
Female disconnect terminals "push-on"									
		F1-2.8V/5	red	0.5 - 1.5	female disconnect	2.8	3.2	18.5	100
	F1-2.8VD/5*	red	0.5 - 1.5	female disconnect	2.8	3.2	18.5	100	
	F1-4.8V/5	red	0.5 - 1.5	female disconnect	4.8	5.0	19.0	100	
	F1-4.8VD/5*	red	0.5 - 1.5	female disconnect	4.8	5.0	19.0	100	
	F1-6.4V	red	0.5 - 1.5	female disconnect	6.4	6.6	21.0	100	
	F1-6.4VF	red	0.5 - 1.5	fully insulated disconnect	6.4	6.6	22.0	100	
	F1-6.4VD*	red	0.5 - 1.5	female disconnect	6.4	6.6	21.0	100	
	F1-6.4VQD*	■ red	0.5 - 1.5	fully insulated disconnect	6.4	6.6	21.5	100	
	F2-2.8VD/5*	blue	1.5 - 2.5	female disconnect	2.8	3.2	18.5	100	
	F2-4.8V/5	blue	1.5 - 2.5	female disconnect	4.8	5.0	19.0	100	
	F2-4.8VD/5*	blue	1.5 - 2.5	female disconnect	4.8	5.0	19.0	100	
	F2-6.4V	blue	1.5 - 2.5	female disconnect	6.4	6.6	21.0	100	
	F2-6.4VF	blue	1.5 - 2.5	fully insulated disconnect	6.4	6.6	22.0	100	
	F2-6.4VD*	blue	1.5 - 2.5	female disconnect	6.4	6.6	21.0	100	
	F2-6.4VQD*	■ blue	1.5 - 2.5	fully insulated disconnect	6.4	6.6	21.5	100	
	F2-8V	blue	1.5 - 2.5	female disconnect	8.0	8.4	24.0	100	
	F2-8VD*	blue	1.5 - 2.5	female disconnect	8.0	8.4	24.0	100	
	F5-6.4V	yellow	4.0 - 6.0	female disconnect	6.4	6.6	23.5	100	
	F5-6.4VD*	yellow	4.0 - 6.0	female disconnect	6.4	6.6	23.5	100	
	F5-6.4VQD*	■ yellow	4.0 - 6.0	fully insulated disconnect	6.4	6.6	24.5	100	
F5-9.5V	yellow	4.0 - 6.0	female disconnect	9.5	9.9	28.5	100		
F5-9.5VD*	yellow	4.0 - 6.0	female disconnect	9.5	9.9	28.5	100		
* Twin-grip crimp ■ Square entry / twin-grip / fully insulated									
Male disconnect terminals "push-on"									
	M1-2.8V/5	red	0.5 - 1.5	male disconnect	–	2.8	19.2	100	
	M1-2.8VD/5*	red	0.5 - 1.5	male disconnect	–	2.8	19.2	100	
	M1-4.8V/5	red	0.5 - 1.5	male disconnect	–	4.8	19.2	100	
	M1-4.8VD/5*	red	0.5 - 1.5	male disconnect	–	4.8	19.2	100	
	M1-6.4V	red	0.5 - 1.5	male disconnect	–	6.4	21.2	100	
	M1-6.4VD*	red	0.5 - 1.5	male disconnect	–	6.4	21.2	100	
	M2-2.8V/5	blue	1.5 - 2.5	male disconnect	–	2.8	19.2	100	
	M2-2.8VD/5*	blue	1.5 - 2.5	male disconnect	–	2.8	19.2	100	
	M2-4.8V/5	blue	1.5 - 2.5	male disconnect	–	4.8	19.2	100	
	M2-4.8VD/5*	blue	1.5 - 2.5	male disconnect	–	4.8	19.2	100	
	M2-6.4V	blue	1.5 - 2.5	male disconnect	–	4.8	21.2	100	
	M2-6.4VD*	blue	1.5 - 2.5	male disconnect	–	4.8	21.2	100	
	M5-6.4V	yellow	4.0 - 6.0	male disconnect	–	6.4	23.2	100	
	M5-6.4VD*	yellow	4.0 - 6.0	male disconnect	–	6.4	23.7	100	
	* Twin-grip crimp								

	type	colour	wire size mm ²	description	dimensions (mm)			pack qty	
					d2	B	L		
	Piggy back disconnect terminals "push-on"								
	PB1-6.4V	red		0.5 - 1.5	piggy-back disconnect	6.4	6.6	21.0	100
	PB1-6.4VD*	red		0.5 - 1.5	piggy-back disconnect	6.4	6.6	21.0	100
	PB2-6.4V	blue		1.5 - 2.5	piggy-back disconnect	6.4	6.6	21.0	100
	PB2-6.4VD*	blue		1.5 - 2.5	piggy-back disconnect	6.4	6.6	21.0	100
	PB5-6.4V	yellow		4.0 - 6.0	piggy-back disconnect	6.4	6.6	23.5	100
	PB5-6.4VD*	yellow		4.0 - 6.0	piggy-back disconnect	6.4	6.6	23.5	100
	<i>* Twin-grip crimp</i>								
	Male bullet disconnector								
	BD1-4V	red		0.5 - 1.5	male bullet disconnect	–	4.0	21.0	100
	BD1-4VD*	red		0.5 - 1.5	male bullet disconnect	–	4.0	21.0	100
	BD2-5V	blue		1.5 - 2.5	male bullet disconnect	–	5.0	21.0	100
BD2-5VD*	blue		1.5 - 2.5	male bullet disconnect	–	5.0	21.0	100	
BD5-5V	yellow		4.0 - 6.0	male bullet disconnect	–	5.0	23.0	100	
BD5-5VD*	yellow		4.0 - 6.0	male bullet disconnect	–	5.0	23.0	100	
<i>* Twin-grip crimp</i>									
Female bullet disconnector									
RE1-4VF	red		0.5 - 1.5	female bullet disconnect	–	4.0	22.0	100	
RE1-4VFD*	red		0.5 - 1.5	female bullet disconnect	–	4.0	22.5	100	
RE2-5VF	blue		1.5 - 2.5	female bullet disconnect	–	5.0	23.5	100	
RE2-5VFD*	blue		1.5 - 2.5	female bullet disconnect	–	5.0	23.5	100	
RE5-5VF	yellow		4.0 - 6.0	female bullet disconnect	–	5.0	25.5	100	
RE5-5VFD*	yellow		4.0 - 6.0	female bullet disconnect	–	5.0	25.0	100	
<i>* Twin-grip crimp</i>									
Quick-splice connectors									
SP1	red		0.5 - 1.5	quick-splice connector	–	20.0	26.8	100	
SP2	blue		1.5 - 2.5	quick-splice connector	–	20.0	26.8	100	
SP5	yellow		4.0 - 6.0	quick-splice connector	–	20.0	35.0	100	
Insulated cord-end (boot lace) terminals									
CE007508F	blue		0.75	cord-end terminal	1.2	14.0	8.0	500	
CE010010F	red		1.0	cord-end terminal	1.4	16.0	10.0	500	
CE015010F	black		1.5	cord-end terminal	1.7	16.0	10.0	500	
CE025012F	grey		2.5	cord-end terminal	2.2	18.0	12.0	500	
CE040012F	orange		4.0	cord-end terminal	2.8	20.0	12.0	500	
CE060012F	green		6.0	cord-end terminal	3.5	20.0	12.0	500	
CE100012F	brown		10.0	cord-end terminal	4.5	22.0	12.0	500	
CE160012F	ivory		16.0	cord-end terminal	5.8	24.0	12.0	500	
CE250016F	black		25.0	cord-end terminal	7.3	30.0	16.0	500	
Category-M									
Crimping tools for pre-insulated terminals									
<ul style="list-style-type: none"> • Crimping profiles for different wire cross-sections (red/blue/yellow) • With ratchet closing control 									
JSL 1305-1	universal crimping tool for: red / blue / yellow pre-insulated terminals								
Crimpfit IT6L	universal high quality "made in Germany" crimping tool for pre-insulated terminals								
<div style="border: 1px dashed black; padding: 5px; display: inline-block;"> see page M-3 for info </div>									



ANE3-M8



ANE3-U5



ANE7-P20

Insulated crimping lugs for copper conductors

ANE-M series lugs manufactured from electrolytic copper tube annealed and tin plated, designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

- Material: Electrolytic Copper - Insulated sleeve: PA6.6 (-20 to 115°C)
- Interior of sleeve funnel shaped to ensure complete and easy introduction of conductor strands

type	cable (mm ²)	Ø stud (mm)	palm width (mm)	description	std pack qty
ANE-M series - Insulated crimping lugs					
ANE2-M4	10	4.3	10	heavy duty ins. ring lug	100
ANE2-M5	10	5.3	10	heavy duty ins. ring lug	100
ANE2-M6	10	6.4	11	heavy duty ins. ring lug	100
ANE2-M8	10	8.4	15	heavy duty ins. ring lug	100
ANE3-M4	16	4.3	11.5	heavy duty ins. ring lug	100
ANE3-M5	16	5.3	11.5	heavy duty ins. ring lug	100
ANE3-M6	16	6.4	11.5	heavy duty ins. ring lug	100
ANE3-M8	16	8.4	15	heavy duty ins. ring lug	100
ANE5-M5	25	5.3	14	heavy duty ins. ring lug	100
ANE5-M6	25	6.4	14	heavy duty ins. ring lug	100
ANE5-M8	25	8.4	15	heavy duty ins. ring lug	100
ANE5-M10	25	10.5	18	heavy duty ins. ring lug	100
ANE7-M6	35	6.4	17	heavy duty ins. ring lug	50
ANE7-M8	35	8.4	17	heavy duty ins. ring lug	50
ANE7-M10	35	10.5	19	heavy duty ins. ring lug	50
ANE7-M12	35	13.2	21	heavy duty ins. ring lug	50
ANE10-M6	50	6.4	19	heavy duty ins. ring lug	50
ANE10-M8	50	8.4	19	heavy duty ins. ring lug	50
ANE10-M10	50	10.5	20	heavy duty ins. ring lug	50
ANE10-M12	50	13.2	21	heavy duty ins. ring lug	50
ANE-U series - Insulated fork lugs					
ANE2-U4	10	4.3	9.8	heavy ins. duty fork lug	100
ANE2-U5	10	5.3	11.5	heavy ins. duty fork lug	100
ANE3-U4	16	4.3	10.0	heavy ins. duty fork lug	100
ANE3-U5	16	5.3	11.5	heavy ins. duty fork lug	100
ANE-P series - Insulated pin lugs					
ANE2-P12	10	L-14	4.3	heavy duty pin lug	100
ANE3-P14	16	L-18	5.5	heavy duty pin lug	100
ANE5-P16	25	L-20	7.0	heavy duty pin lug	100
ANE7-P20	35	L-24	8.0	heavy duty pin lug	50

Crimping lugs for copper conductors

A-M series lugs are manufactured from electrolytic copper tube annealed and tin plated, designed to obtain the most efficient electrical conductivity and mechanical strength to resist vibration and pull out.

• Material: Electrolytic Copper - annealed and Tin plated

type	cable (mm ²)	Ø stud (mm)	palm width (mm)	description	std pack qty
A03-M4	1.5	4.3	6.5	heavy duty crimping lug	100
A03-M5	1.5	5.3	7.5	heavy duty crimping lug	100
A03-M6	1.5	6.4	9.0	heavy duty crimping lug	100
A06-M4	2.5	4.3	7.5	heavy duty crimping lug	100
A06-M5	2.5	5.3	8.5	heavy duty crimping lug	100
A06-M6	2.5	6.4	9.0	heavy duty crimping lug	100
A1-M4	4-6	4.3	8.0	heavy duty crimping lug	100
A1-M5	4-6	5.3	9.0	heavy duty crimping lug	100
A1-M6	4-6	6.4	11.0	heavy duty crimping lug	100
A2-M4	10	4.3	10	heavy duty crimping lug	100
A2-M5	10	5.3	10	heavy duty crimping lug	100
A2-M6	10	6.4	11	heavy duty crimping lug	100
A2-M8	10	8.4	15	heavy duty crimping lug	100
A3-M4	16	4.3	11.5	heavy duty crimping lug	100
A3-M5	16	5.3	11.5	heavy duty crimping lug	100
A3-M6	16	6.4	11.5	heavy duty crimping lug	100
A3-M8	16	8.4	15	heavy duty crimping lug	100
A5-M6	25	6	14	heavy duty crimping lug	100
A5-M8	25	8	15	heavy duty crimping lug	100
A5-M10	25	10	18	heavy duty crimping lug	100
A5-M12	25	12	21	heavy duty crimping lug	100
A7-M6	35	6	17	heavy duty crimping lug	100
A7-M8	35	8	17	heavy duty crimping lug	100
A7-M10	35	10	19	heavy duty crimping lug	100
A7-M12	35	10	21	heavy duty crimping lug	50
A10-M6	50	6	19	heavy duty crimping lug	50
A10-M8	50	8	19	heavy duty crimping lug	50
A10-M10	50	10	20	heavy duty crimping lug	50
A10-M12	50	12	21	heavy duty crimping lug	50
A14-M8	70	8	21	heavy duty crimping lug	50
A14-M10	70	10	21	heavy duty crimping lug	50
A14-M12	70	12	22	heavy duty crimping lug	50
A14-M16	70	16	26	heavy duty crimping lug	50
A19-M10	95	10	25	heavy duty crimping lug	25
A19-M12	95	12	25	heavy duty crimping lug	25
A19-M16	95	16	27	heavy duty crimping lug	25
A24-M10	120	10	28.5	heavy duty crimping lug	25
A24-M12	120	12	28.5	heavy duty crimping lug	25
A24-M16	120	16	28.5	heavy duty crimping lug	25
A30-M10	150	10	31.5	heavy duty crimping lug	25
A30-M12	150	12	31.5	heavy duty crimping lug	25
A30-M16	150	16	31.5	heavy duty crimping lug	25
A37-M10	185	10	35.5	heavy duty crimping lug	20
A37-M12	185	12	35.5	heavy duty crimping lug	20
A37-M16	185	16	35.5	heavy duty crimping lug	15
A48-M12	240	12	39	heavy duty crimping lug	15
A48-M16	240	16	39	heavy duty crimping lug	15
A48-M20	240	20	39	heavy duty crimping lug	15

Contained palm crimping lugs

These crimping lugs feature a contained palm width, specifically designed for LV circuit breakers with reduced space termination. The contained palm permits immediate and easier installation.

A19B-M8/15.5	95	M8	15.5	contained palm cable lug	25
A24B-M8/19	120	M8	19.0	contained palm cable lug	25
A30B-M8/19	150	M8	19.0	contained palm cable lug	25
A37B-M10/24.5	185	M10	24.5	contained palm cable lug	25
A48B-M10/31	240	M10	31.0	contained palm cable lug	15





L-M uninsulated through connectors (ferrules)

type	cable (mm ²)	length (mm)	description	pack qty
L03-M	1.5	L-15	heavy duty crimp ferrules	100
L06-M	2.5	L-15	heavy duty crimp ferrules	100
L1-M	4 - 6	L-22	heavy duty crimp ferrules	100
L2-M	10	L-25	heavy duty crimp ferrules	100
L3-M	16	L-27	heavy duty crimp ferrules	100
L5-M	25	L-29	heavy duty crimp ferrules	100
L7-M	35	L-33	heavy duty crimp ferrules	100
L10-M	50	L-37	heavy duty crimp ferrules	50
L14-M	70	L-39	heavy duty crimp ferrules	50
L19-M	95	L-43	heavy duty crimp ferrules	25
L24-M	120	L-47	heavy duty crimp ferrules	25
L30-M	150	L-58	heavy duty crimp ferrules	25
L37-M	185	L-64	heavy duty crimp ferrules	25
L48-M	240	L-75	heavy duty crimp ferrules	15

Category-M

Hydraulic crimping / cutting tools

type	for terminals	conductor (mm ²)	crimping force (kN)	description
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HT and TC series - Hydraulic tools

lightweight and compact

- Spring loaded handles, dies can be advanced using only one hand
- Pressure release system can easily be operated at any stage of compression
- Supplied with sturdy plastic carrying case for tool with compartments for die sets
- For ease of operation and comfort of operator, tool head can be fully rotated 180°

see page M-5 for info

HT45 - Compact hydraulic crimping tool

HT45-E	die dependant	max. 150	50 kN	hydraulic crimping tool
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HT51 - 2 speed hydraulic crimping tool

- Supplied with sturdy plastic carrying case for tool and *(included)* die sets: ME 5-50, 7-50, 10-50, 14-50, 19-50, 24-50, 30-50, 37-50

KITH51-1	die dependant	max. 240	50 kN	hydraulic crimping tool
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HT131 - Hydraulic crimping tool for semi-circular slotted dies

- Supplied with sturdy plastic carrying case for tool and *(included)* die sets: ME 10-C, 14-C, 19-C, 24-C, 30-C, 37-C, 48-C

KITH131-C-1	die dependant	max. 400	130 kN	hydraulic crimping tool
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new



PMGB12-5



PMGB16-7B



PMGB25-18



PMGB40-32



MGM32-22



PPGA20-E-14B



PHPM20B

Cable glands (compression)

Thread: Metric
 Protection degree: IP68-10
 Material: Body: Nylon PA66 UL approved (*Flammability UL94V-2*) Seal: EPDM
 Ambient temperature: -40°C...+100°C (*instantaneous heat resistance up to 120°C*)

type	AG (mm)	thread length	compress area (mm)	colour	description
M - Metric thread cable glands (supplied with locknut)					
PMGB12-5	M12	8.5 mm	3-5.5	light grey	Metric compression gland
PMGB16-7	M16	10 mm	3-7	light grey	Metric compression gland
PMGB18-10	M18	10 mm	6-10	light grey	Metric compression gland
PMGB20-13.5	M20	10 mm	9-14	light grey	Metric compression gland
PMGB25-18	M25	12 mm	13-18	light grey	Metric compression gland
PMGB32-25	M32	12 mm	18-25	light grey	Metric compression gland
PMGB40-32	M40	15 mm	24-32	light grey	Metric compression gland
PMGB50-41	M50	15 mm	31-41	light grey	Metric compression gland
PMGB63-45	M63	18 mm	35-45	light grey	Metric compression gland
PMGB12-5B	M12	8.5 mm	3-6.5	black	Metric compression gland
PMGB16-7B	M16	10 mm	4-8	black	Metric compression gland
PMGB18-10B	M18	10 mm	6-10	black	Metric compression gland
PMGB20-13.5B	M20	10 mm	9-14	black	Metric compression gland
PMGB25-18B	M25	12 mm	13-18	black	Metric compression gland
PMGB32-25B	M32	12 mm	18-25	black	Metric compression gland
PMGB40-32B	M40	15 mm	26-31	black	Metric compression gland
PMGB50-41B	M50	15 mm	26-31	black	Metric compression gland
PMGB63-45B	M63	18 mm	35-45	black	Metric compression gland
PG - Thread cable glands (supplied with locknut)					
PPGB7-5B	12.5	8 mm	3-5.5	black	PG compression gland
PPGB9-8B	15.2	8 mm	4-8	black	PG compression gland
PPGB11-10B	18.6	10 mm	6-10	black	PG compression gland
PPGB13.5-12B	20.4	10 mm	7-12.5	black	PG compression gland
PPGB16-11B	22.5	11 mm	6-11	black	PG compression gland
PPGB19-14B	24	11 mm	8.5-14	black	PG compression gland
PPGB21-18B	28.3	12 mm	12-18	black	PG compression gland
Metal cable glands (supplied with locknut)					
Material:	Body:	Nickel plated brass			
	Seal:	Nylon PA66, EPDM rubber			
MGM8-4.5	M8	4 mm	3-4.5	nickel	metal compression gland
MGM12-6.5	M12	6.5 mm	3-6.5	nickel	metal compression gland
MGM16-8	M16	8 mm	4-8	nickel	metal compression gland
MGM18-10	M18	8 mm	5-10	nickel	metal compression gland
MGM20-12	M20	8 mm	6-12	nickel	metal compression gland
MGM22-14	M22	8 mm	10-14	nickel	metal compression gland
MGM25-16	M25	9 mm	10-16	nickel	metal compression gland
MGM32-22	M32	10 mm	15-22	nickel	metal compression gland
MGM40-30	M40	11 mm	22-30	nickel	metal compression gland
MGM50-38	M50	13 mm	32-38	nickel	metal compression gland
MGM63-44	M63	14 mm	37-44	nickel	metal compression gland
90° Degree cable glands (supplied with locknut)					
Material:	Nylon PA66 UL approved (<i>Flammability UL94V-2</i>)				
PPGA16-E-08B	M16	10 mm	4-7	black	90° compression gland
PPGA20-E-14B	M20	15 mm	9-14	black	90° compression gland
PPGA25-E-18B	M25	15 mm	13-18	black	90° compression gland
PPGA32-E-25B	M32	15 mm	18-25	black	90° compression gland
Nylon hole plugs (supplied with locknut)					
Material:	Nylon PA66 UL approved (<i>Flammability UL94V-2</i>)				
PHPM12B	M12	9.5 mm	-	black	screw-in blanking plugs
PHPM16B	M16	10 mm	-	black	screw-in blanking plugs
PHPM20B	M20	11 mm	-	black	screw-in blanking plugs
PHPM22B	M22	11 mm	-	black	screw-in blanking plugs
PHPM25B	M25	11 mm	-	black	screw-in blanking plugs
PHPM32B	M32	11 mm	-	black	screw-in blanking plugs
PHPM40B	M40	12 mm	-	black	screw-in blanking plugs
PHPM50B	M50	12 mm	-	black	screw-in blanking plugs
PHPM63B	M63	12 mm	-	black	screw-in blanking plugs

new



PSRM16-P-10B



WLCM20S-7B



PLNM16B



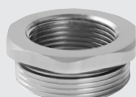
PVM8



MVM12



EAM16/M20H



RAM32/M25H

Wiring accessories

type	AG (mm)	thread length	compress area (mm)	colour	description
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Strain relief cable glands (supplied with locknut) (IP68-10)

Material: Nylon PA66 UL approved (Flammability UL94V-2)

PSRM12-P-7B	M12	8.5mm	4-7	black	nylon strain relief gland
PSRM16-P-10B	M16	10mm	6-10	black	nylon strain relief gland
PSRM20S-P-12B	M20	10mm	6-12.5	black	nylon strain relief gland

Waterproof in-line connector (IP68-10)

Material: Nylon PA66 UL approved (Flammability UL94V-2) seal: EPDM
Ambient temperature: -40°C...+100°C (instantaneous heat resistance up to 120°C)

WLCM20S-7B	M20	3 pole	4-7	black	waterproof connector
WLCM20S-11B	M20	3 pole	6-11	black	waterproof connector
WLCM25-16B	M25	4 pole	10-16	black	waterproof connector
WLCM25-18B	M25	4 pole	13-19	black	waterproof connector

Plastic locknuts (metric)

PLNM12B	M12	locknut		black	nylon metric locknut (only)
PLNM16B	M16	locknut		black	nylon metric locknut (only)
PLNM20B	M20	locknut		black	nylon metric locknut (only)
PLNM22B	M22	locknut		black	nylon metric locknut (only)
PLNM25B	M25	locknut		black	nylon metric locknut (only)
PLNM32B	M32	locknut		black	nylon metric locknut (only)
PLNM40B	M40	locknut		black	nylon metric locknut (only)
PLNM50B	M50	locknut		black	nylon metric locknut (only)
PLNM63B	M63	locknut		black	nylon metric locknut (only)

Vent plugs (pressure equalisation for sealed enclosures) (IP68-10)

Incorporates an internal PTFE-membrane, designed to balance internal enclosure temperature with external ambient, avoiding internal condensation without compromising the IP rating of the enclosure.

Influent pressure: >5 Bar
Temperature: -50°C...+120°C

type	AG (mm)	influent pressure	compress area (mm)	colour	description
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Nylon PA66 UL approved (Flammability UL94V-2)

PVM8	M8	>5 bar	Ap 150-350	light grey	screw-in vent plugs
PVM12	M12	>5 bar	Ap 150-350	light grey	screw-in vent plugs
PVM16	M16	>5 bar	Ap 150-350	light grey	screw-in vent plugs
PVM8B	M8	>5 bar	Ap 150-350	black	screw-in vent plugs
PVM12B	M12	>5 bar	Ap 150-350	black	screw-in vent plugs
PVM16B	M16	>5 bar	Ap 150-350	black	screw-in vent plugs

Nickel plated brass

MVM8	M8	>5 bar	Ap 150-350	nickel	screw-in vent plugs
MVM12	M12	>5 bar	Ap 150-350	nickel	screw-in vent plugs
MVM16	M16	>5 bar	Ap 150-351	nickel	screw-in vent plugs

Adaptors (metallic) enlargers / reducers

type	from male	to female	thread length	colour	description
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• Nickel plated brass

Enlargement adaptors

EAM12/M16H	M12	M16	6 mm	nickel	M enlargement adaptors
EAM16/M20H	M16	M20	6 mm	nickel	M enlargement adaptors
EAM20/M25H	M20	M25	6.5 mm	nickel	M enlargement adaptors
EAM25/M32H	M25	M32	7.5 mm	nickel	M enlargement adaptors
EAM32/M40H	M32	M40	8 mm	nickel	M enlargement adaptors
EAM40/M50H	M40	M50	9 mm	nickel	M enlargement adaptors

RAM16/M12H	M16	M12	6 mm	nickel	M reduction adaptors
RAM20/M16H	M20	M16	6 mm	nickel	M reduction adaptors
RAM25/M20H	M25	M20	6.5 mm	nickel	M reduction adaptors
RAM32/M25H	M32	M25	7.5 mm	nickel	M reduction adaptors
RAM40/M32H	M40	M32	8 mm	nickel	M reduction adaptors
RAM50/M40H	M50	M40	9 mm	nickel	M reduction adaptors

Wiska **SPRINT** cable glands provide ultimate protection from environmental conditions

Suitable for extreme outdoor installations. -40 - +100°C

- Protection: **IP68** to EN 60520 / **IP69K** to DIN 40 050-T9
- UV resistant: Type A, ISO 4892-2, UL-file QCRV2.E179850
- Flame protection: Glow wire test 750° acc.to EN60695-2-11
- Self-locking cap nut thread offering vibration protection
- Increased wall thickness for greater stability
- Smooth internal channel preventing cable jam on insertion
- Claw shape provides large sealing area and excellent adaptation to irregular cable profiles
- Material: Gland - Polyamide
Gasket - EPDM (*highly resistant to chemicals, environment and ultraviolet*)

Metric cable glands *grey (or) black*

type	thread diameter	compress area (mm)	description	dimensions (mm)		
				(TL)	(L)	(SW)

ESKV light grey RAL 7035 • Locknut to be ordered separately

10066410	M12 X 1.5	3 - 7	compression gland (<i>grey</i>)	29 - 43	9	16
10066411	M16 X 1.5	4.5 - 10	compression gland (<i>grey</i>)	31 - 37	9	20
10066412	M20 X 1.5	6 - 13	compression gland (<i>grey</i>)	36 - 45	10	24
10066413	M25 X 1.5	9 - 17	compression gland (<i>grey</i>)	38 - 47	10	29
10066414	M32 X 1.5	13 - 21	compression gland (<i>grey</i>)	42 - 51	12	36
10066415	M40 X 1.5	16 - 28	compression gland (<i>grey</i>)	52 - 65	12	46
10066416	M50 X 1.5	21 - 35	compression gland (<i>grey</i>)	59 - 72	14	55
10066417	M63 X 1.5	34 - 48	compression gland (<i>grey</i>)	64 - 78	15	68

EMUG locknuts for above Material: *Light grey Polyamide/glassfibre reinforced*

10060770	M12 x 1.5	-	gland locknut (<i>grey</i>)	-	-	18
10060771	M16 x 1.5	-	gland locknut (<i>grey</i>)	-	-	22
10060772	M20 x 1.5	-	gland locknut (<i>grey</i>)	-	-	27
10060773	M25 x 1.5	-	gland locknut (<i>grey</i>)	-	-	32
10060774	M32 x 1.5	-	gland locknut (<i>grey</i>)	-	-	40
10060775	M40 x 1.5	-	gland locknut (<i>grey</i>)	-	-	50
10060776	M50 x 1.5	-	gland locknut (<i>grey</i>)	-	-	60
10060777	M63 x 1.5	-	gland locknut (<i>grey</i>)	-	-	75

ESKV black RAL 9005 • Locknut to be ordered separately

10066120	M12 x 1.5	3 - 7	compression gland (<i>black</i>)	29 - 43	9	16
10066121	M16 x 1.5	4.5 - 10	compression gland (<i>black</i>)	31 - 37	9	20
10066122	M20 x 1.5	6 - 13	compression gland (<i>black</i>)	36 - 45	10	24
10066123	M25 x 1.5	9 - 17	compression gland (<i>black</i>)	38 - 47	10	29
10066124	M32 x 1.5	13 - 21	compression gland (<i>black</i>)	42 - 51	12	36
10066125	M40 x 1.5	16 - 28	compression gland (<i>black</i>)	52 - 65	12	46
10066126	M50 x 1.5	21 - 35	compression gland (<i>black</i>)	59 - 72	14	55
10066127	M63 x 1.5	34 - 48	compression gland (<i>black</i>)	64 - 78	15	68

EMUG locknuts for above Material: *Black polyamide/glassfibre reinforced*

10061780	M12 x 1.5	-	gland locknut (<i>black</i>)	-	-	18
10061781	M16 x 1.5	-	gland locknut (<i>black</i>)	-	-	22
10061782	M20 x 1.5	-	gland locknut (<i>black</i>)	-	-	27
10061783	M25 x 1.5	-	gland locknut (<i>black</i>)	-	-	32
10061784	M32 x 1.5	-	gland locknut (<i>black</i>)	-	-	40
10061785	M40 x 1.5	-	gland locknut (<i>black</i>)	-	-	50
10061786	M50 x 1.5	-	gland locknut (<i>black</i>)	-	-	60
10061787	M63 x 1.5	-	gland locknut (<i>black</i>)	-	-	75

EMSKV Metal cable glands • Locknut to be ordered separately

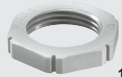
• Material:		Cable gland: Nickle-plated brass		polyamide		
10065000	M12 x 1.5	3 - 7	metal compression gland	23 - 30	5	16
10065001	M16 x 1.5	4.5 - 10	metal compression gland	26 - 34	5	20
10065002	M20 x 1.5	6 - 13	metal compression gland	29 - 37	6	24
10065003	M25 x 1.5	9 - 17	metal compression gland	33 - 42	7	29
10065004	M32 x 1.5	13 - 21	metal compression gland	36 - 44	8	36
10065005	M40 x 1.5	16 - 28	metal compression gland	44 - 55	8	46
10065006	M50 x 1.5	21 - 35	metal compression gland	51 - 62	9	55
10065007	M63 x 1.5	34 - 48	metal compression gland	56 - 67	10	68

EMMU locknuts for above Material: *Nickle-plated brass*

10063141	M12 x 1.5	-	metal gland locknut	-	-	15
10063142	M16 x 1.5	-	metal gland locknut	-	-	19
10063143	M20 x 1.5	-	metal gland locknut	-	-	24
10063144	M25 x 1.5	-	metal gland locknut	-	-	30
10063145	M32 x 1.5	-	metal gland locknut	-	-	36
10063146	M40 x 1.5	-	metal gland locknut	-	-	46
10063147	M50 x 1.5	-	metal gland locknut	-	-	60
10063148	M63 x 1.5	-	metal gland locknut	-	-	70



10066413



10060773



10066123



10061783



10065003



10063144



10102369



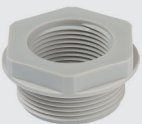
10060802



10101862



10063573



10063582



10063664

Venting (pressure equalization for sealed enclosures) *Polyamide*

Vent plugs/glands incorporate an internal membrane, designed to release pressure in enclosures caused by differing internal temperatures to the outside ambient, without compromising the IP rating of the enclosure.

- Waterproof and dustproof level: IP68, IP69K
- UV resistant: Type A, ISO 4892-2, UL-file QCRV2.E179850
- Long service life in extreme environments
- Reduces fogging and internal condensation, improves heat emission efficiency in sealed enclosures

type	model	thread Ø	colour	description	compress area (mm)	dimensions (mm) (TL) (L) (SW)		
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VentPLUG (stopper and pressure equalisation element in one)

10102369	EVPS 12	M12	■ grey	vent plug	–	17.4	9	16
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VentGLAND (compression gland and pressure equalisation element in one)

10060974	ESVG 20	M20	■ grey	vent gland	6 - 13	41-50	10	24
10100666	ESVG 25	M25	■ grey	vent gland	9 - 17	45-54	10	29
10100801	ESVG 32	M32	■ grey	vent gland	13 - 21	49-58	12	36
10060802	ESVG 20	M20	■ black	vent gland	6 - 13	41-50	10	24
10100667	ESVG 25	M25	■ black	vent gland	9 - 17	45-54	10	29
10100802	ESVG 32	M32	■ black	vent gland	13 - 21	49-58	12	36

CLIXX - Membrane cable entry with strain relief

- Reliable sealing: IP66 and IP67 to EN 60 529 weather proof, UV resistant
- Space-saving: Flat design, minimal space requirement
- Easiest assembly: External mounting from one side only - no thread, no tools, no locknuts
- Incorporated: Strain relief to EN 50 262 Type A
- Time-saving: Simple one-hand-only assembly reduces installation time by 80%
- For wall thickness: 0.8 - 3.5 mm
- Economically priced: Can also be used as a sealing plug
- Material: Polypropylene / Thermoplastic elastomere -40°C to 65°C

10101861	CLIXX 16	M16	4 - 10	membrane cable entry with strain relief	0			
10101359	CLIXX 20	M20	6 - 13	membrane cable entry with strain relief	0			
10101862	CLIXX 25	M25	9 - 17	membrane cable entry with strain relief	0			

Adaptors (Plastic)

- Temperature range: -40°C to 100°C
- Material: Polyamide, reinforced glass fibre

type	model	from male	to female	description	TL (mm)
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Enlargement adaptors

metric - metric

10063570	KEM 12/16	M12	M16	enlarge adaptor	27
10063571	KEM 16/20	M16	M20	enlarge adaptor	27
10063572	KEM 20/25	M20	M25	enlarge adaptor	27
10063573	KEM 25/32	M25	M32	enlarge adaptor	28
10063574	KEM 32/40	M32	M40	enlarge adaptor	30
10063575	KEM 40/50	M40	M50	enlarge adaptor	30

Reduction adaptors

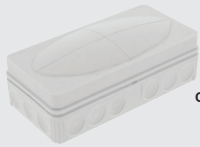
metric - metric

10063577	KRM 16/12	M16	M12	reduction adaptor	16
10063579	KRM 20/16	M20	M16	reduction adaptor	17
10063582	KRM 25/20	M25	M20	reduction adaptor	17
10063584	KRM 32/20	M32	M20	reduction adaptor	19
10063585	KRM 32/25	M32	M25	reduction adaptor	19
10063588	KRM 40/32	M40	M32	reduction adaptor	19
10063591	KRM 50/40	M50	M40	reduction adaptor	21

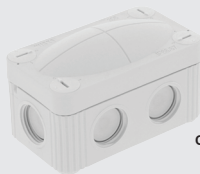
PG - metric adaptors

10063650	APM 7/12	PG 7	M12	metric - PG adaptor	27
10063653	APM 9/16	PG 9	M16	metric - PG adaptor	27
10063655	APM 11/16	PG 11	M16	metric - PG adaptor	27
10063659	APM 13.5/20	PG 13.5	M20	metric - PG adaptor	28
10063661	APM 16/20	PG 16	M20	metric - PG adaptor	28
10063662	APM 16/25	PG 16	M25	metric - PG adaptor	28
10063664	APM 21/25	PG 21	M25	metric - PG adaptor	30
10063667	APM 29/32	PG 29	M32	metric - PG adaptor	19
10063670	APM 36/40	PG 36	M40	metric - PG adaptor	21
10063673	APM 42/40	PG 42	M40	metric - PG adaptor	21

new



COMBI 116



COMBI 206



COMBI 308



COMBI 407



10062...



10064...

Junction boxes (IP66/67)

Wiska COMBI junction boxes provide ultimate protection from environmental conditions in a compact, very attractive format, suitable for extreme outdoor installations.

- **Weather proof - ultraviolet resistant - shatterproof - impact resistant - flame retardant - halogen free**
- **Mounting:** Holes located outside the sealing area but within the lid
- **Material:** Polypropylene, reinforced glass fiber, sealing: thermoplastic elastomer
- **Colour:** RAL 7035 (light grey) or RAL 9005 (black)

type	cable entry sides	rear	thread Ø	colour	description	dimensions (mm) (H) (W) (D)		
Push-on lid/cover		IP66		<i>Push-on lid/cover - for easy access to internal wiring</i>				
• Cable entry: Elastic self-sealing puncture-membranes for cable entry on sides and in the base								
COMBI 108		IP66		<i>(push-on lid/cover)</i>				
10060522	10	2	–	■ grey	weatherproof junction box	76	76	51
COMBI 116		IP66		<i>(push-on lid/cover)</i>				
10109563	18	4	–	■ grey	weatherproof junction box	152	76	51
Screw-on lid/cover		IP66 - IP67		<i>(when used with cable gland)</i>				
• Captive rust free quick release (1/4 turn) lid screws of plastic								
• Patented combination of: a) - Integrated thread for Metric cable gland entry without locknuts b) - Elastic self-sealing puncture-membrane for cable entry on the sides								
COMBI 206		IP66/67		<i>(captive - quick release lid screws)</i>				
10109569	6	2	M20	■ grey	weatherproof junction box	85	49	51
COMBI 308		IP66/67		<i>(captive - quick release lid screws)</i>				
10060400	8	–	M20	■ grey	weatherproof junction box	85	85	51
10060581	8	–	M20	■ black	weatherproof junction box	85	85	51
COMBI 407		IP66/67		<i>1 x M20 cable entry can be knocked-out for M25 entry</i>				
10105595	7	2	M20	■ grey	weatherproof junction box	95	95	60
10105601	7	2	M20	■ black	weatherproof junction box	95	95	60
COMBI 607		IP66/67		<i>M20 cable entries can also be knocked-out for M25 entries</i>				
10060531	7	3	M25	■ grey	weatherproof junction box	110	110	66
10060648	7	3	M25	■ black	weatherproof junction box	110	110	66
COMBI 1210		IP66/67		<i>(captive - quick release lid screws)</i>				
10101459	10	4	M20	■ grey	weatherproof junction box	160	140	81
10101460	10	4	M20	■ black	weatherproof junction box	160	140	81

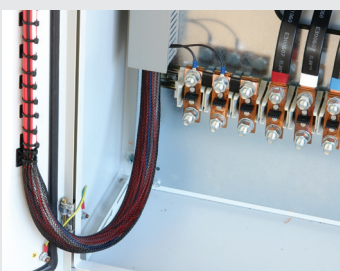
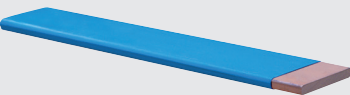
Accessories for above junction boxes

10109800	ZER 4-12	strain relief ring for securing cable internally		(10 pcs)
22001132	SP-HKT 11/5	5 pole	internal mounting terminal for COMBI 108/116/206/308/407	
22000407	SP-HKT607	5 pole	internal mounting terminal for COMBI COMBI 607	
10108836			external mounting feet for COMBI 308/407/607/1210	

SPRINT cable glands

SPRINT cable glands can be further enhanced to be applied for diverse applications by the introduction of various special inserts for blind, reduced cable diameters, multiple cable sealing.

type	model	for gland	compress area (mm)	description	TL (mm)
Reduction sealing inserts		<i>for reduced cable diameters with existing gland</i>			
10062183	RDE 12	M12	1 - 3	gland reduction sealing inserts	–
10062184	RDE 16	M16	2 - 6	gland reduction sealing inserts	–
10062185	RDE 20	M20	4 - 8	gland reduction sealing inserts	–
10060768	RDE 25	M25	7 - 12	gland reduction sealing inserts	–
10062186	RDE 32	M32	9 - 14	gland reduction sealing inserts	–
10062187	RDE 40	M40	12 - 20	gland reduction sealing inserts	–
Blind plugs for glands		<i>for seal tight of unused cable inlets or multiple sealing inserts</i>			
10064000	BS 2	2 mm		gland blind plugs	12
10064002	BS 4	4 mm		gland blind plugs	12
10064004	BS 6	6 mm		gland blind plugs	16
10064005	BS 7	7 mm		gland blind plugs	16
10064008	BS 10	10 mm		gland blind plugs	16
10064010	BS 13	13 mm		gland blind plugs	22
10064012	BS 17	17 mm		gland blind plugs	22
10064014	BS 21	21 mm		gland blind plugs	22



Heat shrink tubing

Provides an effective halogen-free, flexible, flame retardant, abrasion resistant insulation protection for cables and busbars in electrical and electronics applications.

type	inside dia Ø	shrink ratio	after recovery		description	roll length (meters)
			dia Ø	wall thickness		

CB-HFT - Halogen free heat-shrinkable tubing

General purpose heat shrink tubing for use in enclosed areas where a flame retardant, halogen-free environment is required.

- Material: Polyolefin
- Colour: Black (other colours available on request)
- Shrink temperature: 90°C
- Operating temperature: -55°C - 125°C

CB-HFT015-0	1.5 mm	3:1	0.5	≤ 0.40 mm	heat shrink tubing	200 m
CB-HFT030-0	3 mm	3:1	1.0	≤ 0.55 mm	heat shrink tubing	200 m
CB-HFT060-0	6 mm	3:1	2.0	≤ 0.60 mm	heat shrink tubing	100 m
CB-HFT090-0	9 mm	3:1	3.0	≤ 0.70 mm	heat shrink tubing	100 m
CB-HFT120-0	12 mm	3:1	4.0	≤ 0.70 mm	heat shrink tubing	100 m
CB-HFT180-0	18 mm	3:1	6.0	≤ 0.80 mm	heat shrink tubing	100 m
CB-HFT240-0	24 mm	3:1	8.0	≤ 1.00 mm	heat shrink tubing	50 m
CB-HFT390-0	39 mm	3:1	13.0	≤ 1.25 mm	heat shrink tubing	25 m

Other colours (replace last digit "0" with: "R" (red) "B" (blue) "W" (white))

CYGBT-1KV heat-shrinkable bus bar insulation protection (medium wall)

Track resistant polyolefin heat-shrinkable bus bar tubing used to protect and insulate rectangular, square or round bus bars – halogen free, low smoke.

Busbar tubing calculation: add four sides and divide by 3.4+10%

- Material: Polyolefin
- Colour: Black (other colours available on request)
- Shrink ratio: 2.5:1
- Shrink temperature: 110°C
- Tensile strength: ≥ 10.4MPa
- Elongation at break: ≥ 500%
- Dielectric strength: ≥ 25kV/mm
- Operating temperature: -55°C - 125°C

CYGBT020-0	20.0	2.5:1	8	1.10 mm	heat shrink tubing	50 m
CYGBT030-0	30.0	2.5:1	12	1.10 mm	heat shrink tubing	50 m
CYGBT040-0	40.0	2.5:1	16	1.10 mm	heat shrink tubing	50 m
CYGBT050-0	50.0	2.5:1	20	1.10 mm	heat shrink tubing	25 m
CYGBT060-0	60.0	2.5:1	24	1.10 mm	heat shrink tubing	25 m
CYGBT080-0	80.0	2.5:1	28	1.20 mm	heat shrink tubing	25 m
CYGBT100-0	100.0	2.0:1	50	1.20 mm	heat shrink tubing	25 m

Other colours (replace last digit "0" with: "R" (red) "B" (blue) "W" (white))

Expandable braided sleeving

Braided expandable sleeving provides excellent protection, durable abrasion resistance with excellent flame-retardant properties for the protection of wires, cables, wire harnesses, pipes and industrial hoses.

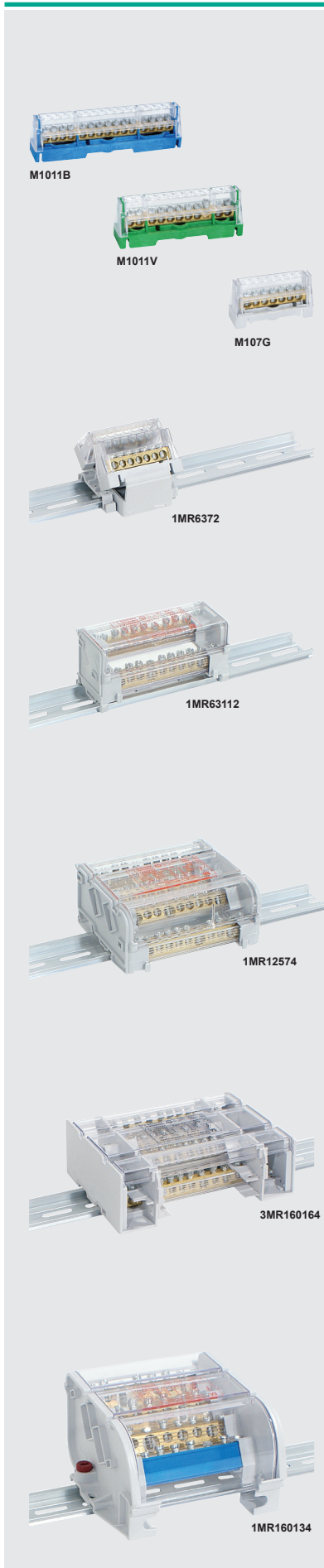
- Material: Polyester monofilament
- Standard colour: Black
- Operating temperature: -50°C - +150°C (melt point 230°C)
- Flammability: Flame retardant UL94 V-O
- Certified: RoHS, UL, CSA

type	nominal size *	expanded range Ø		description	carton length
		min.	max.		
HFR-008BK	8 mm	5 mm	16 mm	expandable braided sleeving	100 m
HFR-010BK	10 mm	7 mm	19 mm	expandable braided sleeving	100 m
HFR-012BK	12 mm	8 mm	24 mm	expandable braided sleeving	50 m
HFR-015BK	15 mm	10 mm	27 mm	expandable braided sleeving	50 m
HFR-020BK	20 mm	14 mm	30 mm	expandable braided sleeving	50 m
HFR-030BK	30 mm	20 mm	50 mm	expandable braided sleeving	50 m
HFR-040BK	40 mm	30 mm	60 mm	expandable braided sleeving	50 m
HFR-050BK	50 mm	40 mm	80 mm	expandable braided sleeving	50 m

* Nominal size indicates flat width

Application tools for above products

- KD-8-3** handheld hot knife to cut and seal braided sleeving (to prevent fraying)
- CS-800** hot gun 100-590°C digital temperature control for heatshrink tubing



Distribution terminals(DIN rail mountable) - 7, 11, 15 way

Maximum operating temperature: -5...+85°C (heat resistance to +130°C)
 Insert material: Brass with zinc plated screws
 Insulating body material: Support material polyamide – cover polycarbonate
 Mounting: DIN rail mounting (EN50022) or screw down
 Standards: EN 60998-1, EN 60998-2-1

type	No. ways	description	max. wire size (mm ²)				dimensions (mm)		
			input	10	16	25	35	(H)	(W)

Multi way terminal posts 750V

M107V	7	green (earth) bar	2x16	5x	-	-	-	59	19	34
M1011V	11	green (earth) bar	2x16	9x	-	-	-	88	19	34
M1015V	15	green (earth) bar	2x16	13x	-	-	-	114	19	34
M107B	7	blue (neutral) bar	2x16	5x	-	-	-	59	19	34
M1011B	11	blue (neutral) bar	2x16	9x	-	-	-	88	19	34
M1015B	15	blue (neutral) bar	2x16	13x	-	-	-	114	19	34
M107G	7	grey (phase) bar	2x16	5x	-	-	-	59	19	34
M1011G	11	grey (phase) bar	2x16	9x	-	-	-	88	19	34
M1015G	15	grey (phase) bar	2x16	13x	-	-	-	114	19	34

Multi-pole protected distribution terminals (DIN rail mountable) 750V

1MR series - Distribution terminals

- DIN rail or chassis mounting
- Low profile 45 mm deep (*height of standard MCBs*)
- Supplied with insulated DIN rail cover
- Rated voltage: 750V

type	No ways	amps	no. bars	max. wire size (mm ²)				dimensions (mm)		
				input	10	16	25	35	(H)	(W)

2 pole - (1Ph+N)

l_{pk} 12kA - l_{cc rms} 6kA - l_{cw rms} (1s) 1.9kA

1MR6372	7	63A	2	2x16	5x	-	-	-	68	59	45
1MR63112	11	63A	2	2x16	9x	-	-	-	68	88	45

l_{pk} 22kA - l_{cc rms} 11kA - l_{cw rms} (1s) 6kA

1MR12572	7	125A	2	35 mm ²	5x	-	1x	-	47	68	45
1MR125112	11	125A	2	35 mm ²	6x	2x	2x	-	47	105	45
1MR125152	15	125A	2	35 mm ²	10x	2x	2x	-	47	134	45

4 pole - (3ph+N)

l_{pk} 22kA - l_{cc rms} 11kA - l_{cw rms} (1s) 6kA

1MR12574	7	125A	4	35 mm ²	5x	-	1x	-	98	72	45
1MR125114	11	125A	4	35 mm ²	6x	2x	2x	-	98	109	45
1MR125154	15	125A	4	35 mm ²	10x	2x	2x	-	98	138	45

Additional terminal bars M107/1011/1015 can easily be clipped onto above distribution terminals

160A stepped distribution block 70 mm deep profile

l_{pk} 24kA - l_{cc rms} 12kA - l_{cw rms} (1s) 8kA

1MR160134	13	160A	4	50 mm ²	-	8x	2x	2x	136	186	70
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3MR series - Distribution terminal

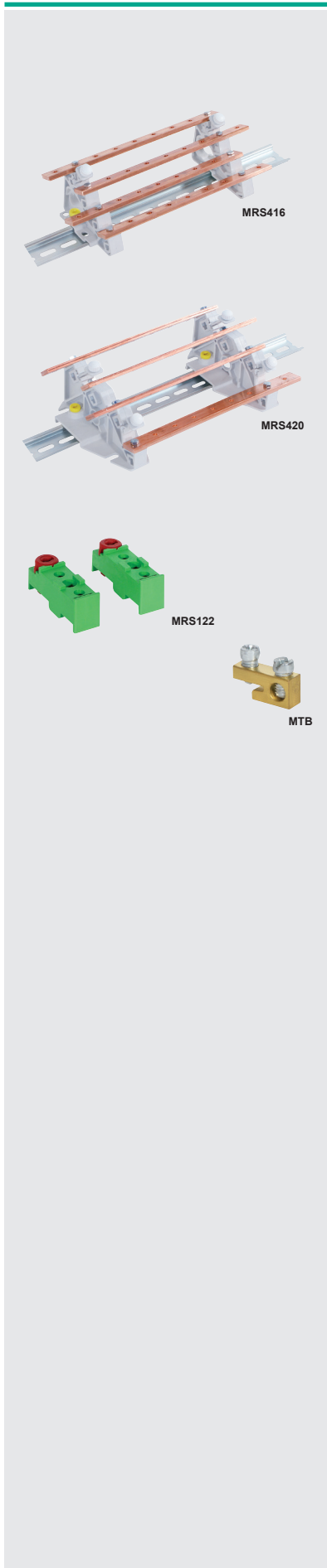
Separated incoming terminals (two extra large incoming phase terminals on either side)

l_{pk} 22kA - l_{cc rms} 11kA - l_{cw rms} (1s) 6kA

3MR125164	16	125A	4	35 mm ²	11x	2x	2x	-	107	202	45
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l_{pk} 24kA - l_{cc rms} 12kA - l_{cw rms} (1s) 8kA

3MR160164	16	160A	4	50 mm ²	11x	-	2x	2x	107	233	45
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Busbar supports

The MRS range of busbar supports are four pole (3Ph+N) with stepped phases for easy access and termination. Ideally combined with drilled and threaded copper busbars to make up distribution terminals of any size. Insulating protection covers are available (*in one-meter lengths*) to provide protection against accidental touch of the bars. Ipk ratings are influenced by bar dimensions and the distance between supports.

Maximum operating temperature: +85°C Heat resistance: +130°C
 Insulating body material: Polyamide
 Mounting: DIN rail or chassis mount
 Standards: CEI EN 17-13/1 EN 60439

type	amps	no. bars	max bar width	description	dimensions (mm)		
					(H)	(W)	(D)

Multi-pole busbar supports

- DIN rail or chassis mount
- With mounting accessories for (*optional*) protection cover and busbar mounting

2 pole supports (1Ph+N)

supplied in pairs (2pcs)

MRS122	65A	2	12 mm	1P+N	busbar supports (2 pcs)	47	14	18
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4 pole stepped supports (3Ph+N)

supplied in 4 pcs (2 pair per set)

160A - 4 pole busbar support

MRS416	160A	4	16 mm	3P+N	busbar supports (4 pcs)	90	25	57
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250A - 4 pole busbar support

MRS420	250A	4	20 mm	3P+N	busbar supports (4 pcs)	132	67	59
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Terminal protection covers (for above supports)

MRC2150	screen	protection cover for busbar support MRS416	(1 meter length)
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MRC2250	screen	protection cover for busbar support MRS420	(1 meter length)
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MTB	DIN rail earthing terminal	(for connecting earth wire to DIN rail)
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Brass earthing and neutral terminals

- Brass bars with galvanised steel screws (*with cross head*)

type	wire sizes mm ²				No. of ways	screw Ø	dimensions (mm)		
	1.5...4	2.5...6	4...16	16...35			(H)	(W)	(L)

Single connection per hole

MRS1501	–	113	–	–	113	M4	9	6	1met
MRS1506	–	–	116	–	116	M5	12	8	1met

1300110 rail or base mount double support for brass rod

Double connection per hole M4 mounting holes

- Dual input up to 50mm² (*2 x M10 bolt connections*)

MRS3000	–	2 x 6	–	–	12	M5	9	19	102
MRS3005	–	2 x 12	–	–	24	M5	9	19	144
MRS3010	–	2 x 24	–	–	48	M5	9	19	230

Chassis mounting earthing terminals

- Universal fixing: chassis mount or direct copper bar mount
- M6 mounting screws and input termination supplied with nuts, spacers and washers

MRS2000	8	8	3	1	20	M5	6	13	215
MRS5000	19	24	6	1	50	M5	6	13	462

Double connection per hole

- Universal fixing: chassis mount or direct copper bar mount
- M8 bolt to accommodate cable lug up to 95 mm²
- M6 mounting screws supplied with nuts, spacers and washers

MRS3500	2 x 14	2 x 19	2 x 7	2 x 1	82	M5	13	20	462
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Brass tap-off distribution block - direct busbar mounted (*drilled or clamp-on*)

- For direct connection onto Busbar, to tap off cables (*4 x 2.5...25 mm² + 4 x 4...35 mm²*)

BOC 1000	brass bolt-on busbar mounting terminal	(8 x outputs)
BOC 1005	brass clamp-on busbar mounting terminal	(for 5 mm bars)
BOC 1010	brass clamp-on busbar mounting terminal	(for 10 mm bars)

Distribution terminals

Single pole distribution terminals

DIN rail mountable - 7, 11, 15 way

- Insulating body: PA 66 UL94-V0
- Insert material: Brass, screws galvanised steel
- Mounting: DIN rail mounting
- Base colours: Green, Blue, Grey
- Protection cover: PC UL94-V0, transparent yellow
- Standards: EN 60947-7-1

type	no. ways	base colour	wire size mm ²			description	length (mm)
			In (2x)	No.	Out		

Unipolar terminal blocks

ITB1030	7	green	2.5 - 16	5 x	1.5 - 6	earth distribution block	63
ITB1035	11	green	2.5 - 16	9 x	1.5 - 6	earth distribution block	95
ITB1040	15	green	2.5 - 16	13 x	1.5 - 6	earth distribution block	125
ITB1015	7	blue	2.5 - 16	5 x	1.5 - 6	neutral distribution block	63
ITB1020	11	blue	2.5 - 16	9 x	1.5 - 6	neutral distribution block	95
ITB1025	15	blue	2.5 - 16	13 x	1.5 - 6	neutral distribution block	125
ITB1000	7	grey	2.5 - 16	5 x	1.5 - 6	phase distribution block	63
ITB1005	11	grey	2.5 - 16	9 x	1.5 - 6	phase distribution block	95
ITB1010	15	grey	2.5 - 16	13 x	1.5 - 6	phase distribution block	125

ITB2000 DIN rail mount support for horizontal mounting of up to 4 of above terminals

Spider connector for threaded bars 12 mm wide

- Material: Passivated galvanised steel
- Connections: 1 or 2 cables 1.5...10 mm²
- Complete with: M5 x 12 screws

MCR1100	spider connector to connect cables to 12mm threaded bar	1.5...10 mm ²
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Please note: Prices of copper products are based on the London Metal Exchange and will vary from time to time. Consult our sales department for the latest pricing before placing orders.



Distribution blocks permit simple termination from one main incoming supply (up to 500A) to be distributed to many other lower current outputs downstream. Equipped with an opening transparent protection screen for easy inspection of terminations.

type	rated current (A)	feed-in terminals		max. output terminals (mm ²)					lcw (kA)	lpk (kA)	dimensions (mm)		
		max. cable (mm ²)	busbar W (mm)	4	6	10	16	35			(H)	(W)	(D)

RP series - Power distribution blocks

- Insulating body: PA 66 UL 94-V0, Cover: PC, transparent yellow
- Conduction block: Tinned copper
- Index Protection: IP20
- Compliant with standard EN 60947-7-1

Single pole power distribution blocks - can receive Cable or Flexible/rigid bars (in some cases)

Model	Rated Current (A)	Max. Cable (mm ²)	Busbar W (mm)	4	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)
RPU3000	125A	10...35	9	-	-	-	9x	-	4.4	30	75	40	48
RPU3005	160A	10...70	13	-	-	-	9x	-	11	30	75	40	48
RPU3010	250A	35...120	15.5	-	-	4x	5x	2x	21	51	96	47	50
RPU3015	400A	95...185	20	-	-	4x	5x	2x	21	51	96	47	50
RPU3020	500A	-	24	-	-	4x	5x	2x	21	51	96	47	50

Multi-pole distribution blocks *DIN rail mountable* EN 60947-7-1

- Mounting: DIN rail or chassis mounting
- Insulating structure: Self-extinguishing to UL94-V0 - Insulation between phases
- Conductor material: Brass conductors - galvanised steel screws
- Protection cover: PC UL94-V0, transparent yellow - front removal

4 pole (3ph+N) distribution blocks *DIN rail mounting*

Low profile version 50 mm deep (fits into same space as standard MCBs)

Model	Rated Current (A)	Max. Cable (mm ²)	4	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)	
RPQ1005	125A	10...35	-	7	7	-	2	1	4.2	20	84	100	50
RPQ1010	125A	10...35	-	11	11	-	2	1	4.2	20	84	132	50

Separated input terminals

Front entry input terminals - (2 phases on each side)

Model	Rated Current (A)	Max. Cable (mm ²)	4	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)
RPQ1015	160A	10...50	-	-	-	8	3	9	22	85	168	70

Side entry input terminals - (all inputs from left side)

Model	Rated Current (A)	Max. Cable (mm ²)	4	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)
RPQ1018	160A	10...50	-	-	-	8	3	9	22	95	154	67

Busbar supports *(Per pack)*

4 pole (3ph+N) insulated busbar supports

- Glow wire test: 960°C
- Working temperature: -40°C ... +130°C
- Self-extinguishing UL 94-V0 - Halogen free
- Polyamide 66 reinforced with 30% fibreglass
- Supplied with screws and nuts for mounting on panels, fixing busbars and protection screen

250A - DIN rail or chassis mount busbar support (1 piece per pack)

Model	Rated Current (A)	Description	H (mm)	W (mm)	L (mm)
PSP1002	250A	busbar support for 15/20 mm x 5 mm bars	190	20	105

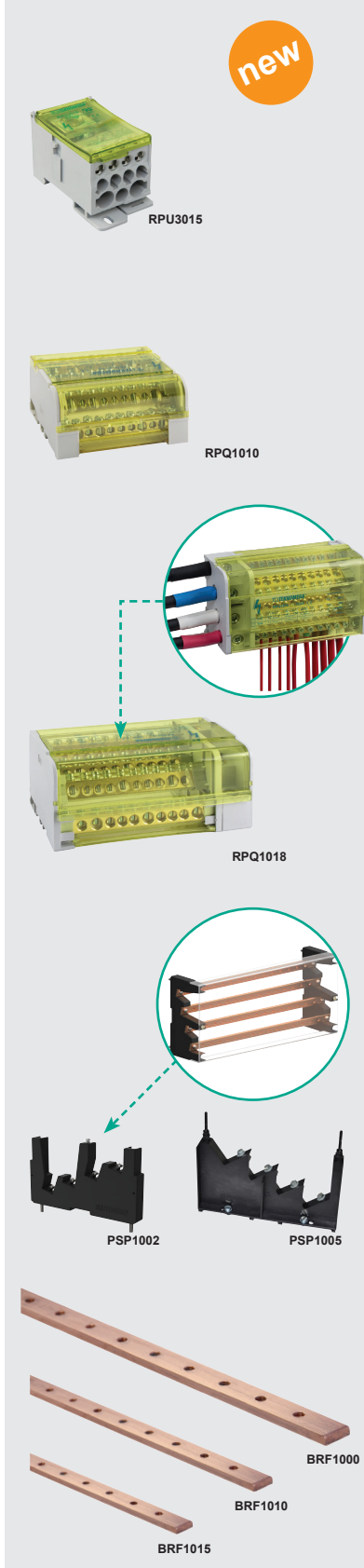
400A - Panel mount busbar support (2 piece per pack)

Model	Rated Current (A)	Description	H (mm)	W (mm)	L (mm)
PSP1005	400A	busbar support for 15/20/30 mm x 5/10 mm bars	216	34	117

Threaded copper bars *(bolts/screws, washers not supplied)*

- Pre-punched and threaded copper bars (ready for use)
- Electrolytic copper Cu-ETP 99.90% (rounded corners)
- Current (A) based on ΔT temperature rise as per DIN 43671 (reference room temperature of 35°C)

type	In (A) ΔT		screw Ø	hole centers	description	dimensions (mm)		
	30°C	50°C				(H)	(W)	(L)
BRF1000	160A	212A	M5	18 mm	threaded copper busbar	12	4	1met.
BRF1005	183A	241A	M5	18 mm	threaded copper busbar	12	5	1met.
BRF1010	218A	289A	M6	25 mm	threaded copper busbar	15	5	1met.
BRF1015	274A	363A	M6	25 mm	threaded copper busbar	20	5	1met.
BRF1020	400A	530A	M6	25 mm	threaded copper busbar	32	5	1met.
BRF1045	573A	756A	M6	25 mm	threaded copper busbar	30	10	1met.



Please note: Prices of copper products are based on the London Metal Exchange and will vary from time to time. Consult our sales department for the latest pricing before placing orders.



ISO...



CLN...



SM...



ISO3005

Busbar standoff insulators

- Insulation: Polyamide 66 fibreglass reinforced (30%) (Halogen free)
- Self extinguishing: VO-UL94
- Glow wire test: 960°C
- Threaded inserts: Galvanized steel
- Rated voltage: 1000 VAC / 1500 VDC
- Working temperature: -40°C - 130°C
- Colour: Black
- Conformity: IEC/EN60004-1 and IEC/EN 61439-1

type	height (H)	Ø width socket	threaded	torque (Nm)	description
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ISO - Insulators *injection moulded* *UL approved (file No. 300607)*

ISO2010	20 mm	15 mm	M6	8	busbar standoff insulators
ISO2020	25 mm	15 mm	M6	10	busbar standoff insulators
ISO2030	30 mm	26 mm	M8	25	busbar standoff insulators
ISO2040	35 mm	28 mm	M8	25	busbar standoff insulators
ISO2055	40 mm	28 mm	M8	25	busbar standoff insulators
ISO2070	45 mm	33 mm	M8	25	busbar standoff insulators
ISO2085	50 mm	29 mm	M8	25	busbar standoff insulators
ISO2100	60 mm	42 mm	M10	50	busbar standoff insulators

CLN - Spacer columns *Injection moulded* *UL approved (file No. 300607)*

ISO2140	20 mm	20 mm	M6	8	spacing columns
ISO2155	25 mm	20 mm	M6	8	spacing columns
ISO2170	30 mm	20 mm	M6	8	spacing columns
ISO2185	35 mm	20 mm	M6	10	spacing columns
ISO2200	40 mm	20 mm	M6	10	spacing columns
ISO2245	30 mm	30 mm	M8	25	spacing columns
ISO2257	40 mm	30 mm	M8	25	spacing columns
ISO2267	50 mm	30 mm	M8	25	spacing columns
ISO2295	70 mm	30 mm	M8	25	spacing columns

SM - Econo busbar insulators

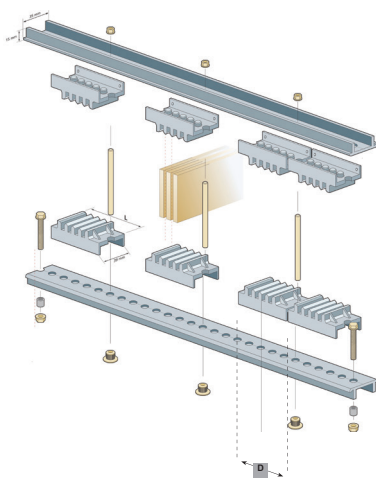
- Insulation: Polyester, fibreglass reinforced (20%)
- Self extinguishing: VO-UL94
- Threaded inserts: Galvanized steel
- Rated voltage: 1000 VAC / 1500 VDC
- Working temperature: -20°C - 120°C
- Colour: Red RAL 3031

SM25	25 mm	23 mm	M6	8	busbar standoff insulators
SM30	30 mm	26 mm	M8	10	busbar standoff insulators
SM35	35 mm	28 mm	M8	13	busbar standoff insulators
SM40	40 mm	34 mm	M8	13	busbar standoff insulators
SM45	45 mm	28 mm	M8	13	busbar standoff insulators
SM51	51 mm	29 mm	M8	27	busbar standoff insulators
SM60	60 mm	34 mm	M10	27	busbar standoff insulators
SM76	76 mm	36 mm	M10	54	busbar standoff insulators

Threaded stud kits for insulators

- Galvanized steel class 8.8 (complete with threaded stud, nut, flat washer and spring lock washer)

type	length (mm)	Ø	description
ISO3005	30 mm	M6	threaded stud kit for insulators
ISO3015	35 mm	M8	threaded stud kit for insulators
ISO3020	40 mm	M10	threaded stud kit for insulators



TOP - Universal busbar support – up to 4500A (IEC 60439-1)

- Universal busbar support system
- Adjustable distance between phases
- High short-circuit strength up to 100kA (see *Annex-7 for ratings*)
- Non-magnetic aluminium alloy profile (EN AW-6060) prepunched (12.5 mm pitch)
- Quick and simplified universal fitting - cost effective
- For bars 30-120 mm wide / 5 or 10 mm thick
- Type tested according to IEC 60439-1 certification: ACAE LOVAG (65 / 75 / 100kA eff 1 sec)

type	for busbar thickness	no. bars	description	
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Ω TOP - Universal busbar support – up to 4500A (IEC 60439-1)

Three pole system kits (3Ph)

Supplied with: Insulated supports (6) and all screws, nuts, washers

TOP1005	5 mm	1 - 2	TOP2/5T	universal busbar support kit
TOP1025	10 mm	1	TOP1/10T	universal busbar support kit
TOP1035	10 mm	1 - 2	TOP2/10T	universal busbar support kit
TOP1045	10 mm	1 - 3	TOP3/10T	universal busbar support kit

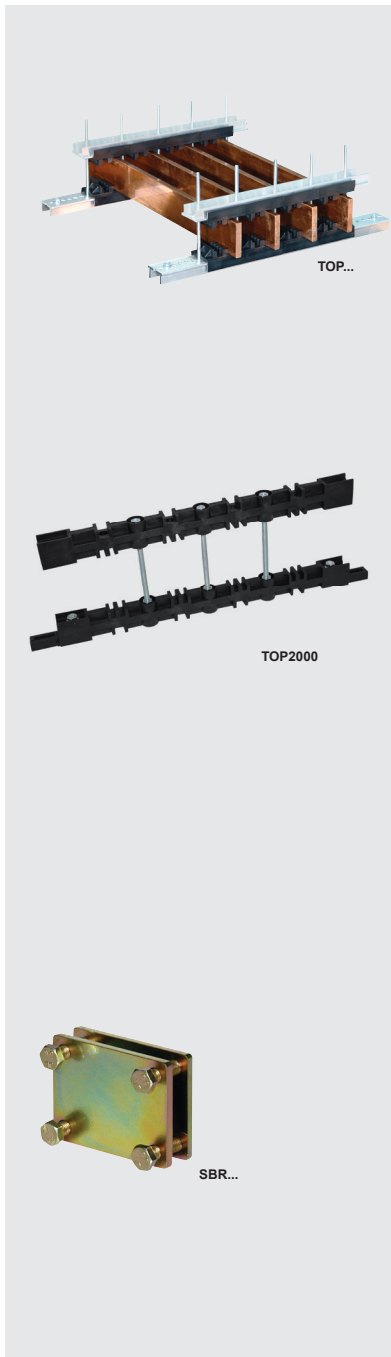
Four pole system kits (3Ph+N)

Supplied with: Insulated supports (8) and all screws, nuts, washers

TOP1010	5 mm	1 - 2	TOP2/5TN	universal busbar support kit
TOP1040	10 mm	1 - 2	TOP2/10TN	universal busbar support kit
TOP1050	10 mm	1 - 3	TOP3/10TN	universal busbar support kit

Accessories

TOP1000	pre-punched aluminium profile (12.5 mm pitch)	(2 metre length)
TOP1100	bracket for horizontal mounting of busbar system profiles	
TOP1105	bracket for vertical mounting of busbar system profiles	
TOP1055	rislan tube to insulate tie rods (only required for minimum distance)	



TOP Junior - Fixed busbar support – up to 1600A (IEC 61439-2)

- Universal busbar support system
- Distance between phases 70 mm
- High short-circuit strength up to 60kA (see *Annex-7 for ratings*)
- Polyamide 6/6 reinforced with 30% fibreglass - self-extinguishing UL 94-V0
- Single reference for use with 5 or 10 mm thick bars
- For bars 30-80 mm wide / 5 or 10 mm thick
- Type tested according to IEC 61439-2 certification: ACAE LOVAG (65kA eff 1 sec)

Four pole system kit (3Ph+N)

Supplied with: Insulated supports (2) and all screws, nuts, washers

TOP2000	5/10 mm	2/1	TOP J 5 - 10	universal busbar support kit
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Busbar clamps (galvanized steel 5 mm thick)

- Permits direct connection of flexible and solid bars, from main bar (without drilling)

type	max. bar width	flexi bar width	plate dimensions	description
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Rectangular busbar clamps

SBR1000	50 mm	20/24 mm	77 x 51 mm	busbar connection clamps
SBR1005	50 mm	32 mm	77 x 59 mm	busbar connection clamps
SBR1010	50 mm	40 mm	77 x 67 mm	busbar connection clamps
SBR1020	80 mm	32 mm	107 x 59 mm	busbar connection clamps
SBR1025	80 mm	50 mm	107 x 77 mm	busbar connection clamps

Square busbar clamps

SBQ1000	30 mm	30 mm	53 x 53 mm	busbar connection clamps
SBQ1005	40 mm	40 mm	63 x 63 mm	busbar connection clamps
SBQ1015	63 mm	63 mm	90 x 90 mm	busbar connection clamps
SBQ1020	80 mm	80 mm	115 x 115 mm	busbar connection clamps
SBQ1025	100 mm	100 mm	135 x 135 mm	busbar connection clamps

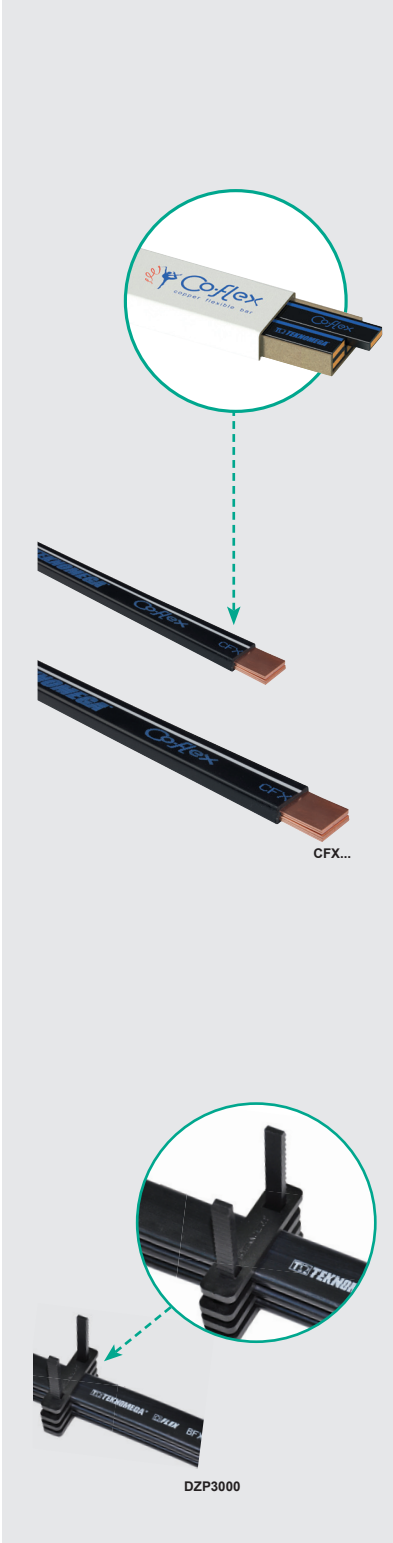
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Coflex series - Insulated flexible busbars

COFLEX is designed with high conductivity electrolytic copper laminates (CuETP), protected within a durable highly resistant self extinguishing PVC insulation, guaranteeing excellent electrical insulation in aggressive high temperature environments.

- Conductor: Electrolytic copper Cu-ETP 99.90% (*laminate thickness 0.8 - 1.0 mm*)
- Insulation: Self-extinguishing PVC UL 94-V0 (*thickness 2 mm*)
- Dielectric rigidity: 20 kV / mm
- Max. elongation: 365%
- Rated voltage: 1000 VAC / 1500 VDC
- Working temperature: -40°C - +105°C
- Standard length: 2 meters



type	conductor size (mm)						Δ T (°K) see Annex-1 max. current capacity (A) at Δ T (°K) as per IEC 439-1				
	width	No. Laminations	thick	total thickness	cross section (mm ²)	length (metre)	65°C	50°C	40°C	30°C	20°C

Insulated flexible busbars (2 metre lengths)

CFX 1005	9	3	0.8	2.4	21.6	2	160	140	125	108	89
CFX 1020	9	6	0.8	4.8	43.2	2	285	250	224	194	158
CFX 1023	13	6	0.5	3	39	2	285	250	224	194	158
CFX 1035	15.5	4	0.8	3.2	49.6	2	365	320	286	248	202
CFX 1045	15.5	6	0.8	4.8	74.4	2	456	400	358	310	253
CFX 1060	20	3	1.0	3	60	2	399	350	313	271	221
CFX 1070	20	5	1.0	5	100	2	490	430	385	333	272
CFX 1076	20	8	1.0	8	160	2	638	560	501	434	354
CFX 1090	24	3	1.0	3	72	2	456	400	358	310	253
CFX 1100	24	5	1.0	5	120	2	581	510	456	395	323
CFX 1115	24	10	1.0	10	192	2	912	800	716	620	506
CFX 1135	32	5	1.0	5	160	2	741	650	581	503	411
CFX 1145	32	8	1.0	8	256	2	992	870	778	674	550
CFX 1150	32	10	1.0	10	320	2	1163	1020	912	790	645
CFX 1170	40	5	1.0	5	200	2	884	775	693	600	490
CFX 1180	40	8	1.0	8	320	2	1180	1035	926	802	655
CFX 1185	40	10	1.0	10	400	2	1343	1178	1054	912	745
CFX 1200	50	5	1.0	5	250	2	1055	925	827	717	585
CFX 1210	50	8	1.0	8	400	2	1357	1190	1064	922	753
CFX 1215	50	10	1.0	10	500	2	1573	1380	1234	1069	873
CFX 1230	63	5	1.0	5	315	2	1209	1060	948	821	670
CFX 1240	63	8	1.0	8	504	2	1596	1400	1252	1084	885
CFX 1245	63	10	1.0	10	630	2	1391	1615	1444	1251	1021
CFX 1260	80	5	1.0	5	400	2	1459	1280	1145	991	810
CFX 1270	80	8	1.0	8	640	2	1833	1608	1438	1246	1017
CFX 1275	80	10	1.0	10	800	2	2028	1779	1591	1378	1125
CFX 1285	100	5	1.0	5	500	2	1750	1535	1373	1189	971
CFX 1300	100	10	1.0	10	1000	2	2394	2100	1878	1627	1328

Derating coefficient for bars in parallel			
Number of bars	2 bars	3 bars	4 bars
Coefficient to use x	1.8	2.5	3.2

Accessories

Simple support with spacer

- For use with insulated flexible bars up to 32 x 10 mm
- Possibility to fit up to 4 flexible bars
- Mounts into panel board by means of screw (*not supplied*) inserted at the base of spacer
- Excellent heat dissipation due to the spacing between bars

DZP3000 panel mount spacer and overlapping support for flexible bars up to 32 x 10 mm

Please note: Prices of copper products are based on the London Metal Exchange and will vary from time to time. Consult our sales department for the latest pricing before placing orders.



Insulated copper braided links *highly flexible braided copper link with PVC insulation*

No cutting - no stripping - no lug - no crimping

J-LINK is a ready-to-use flexible prefabricated shunt made of tinned copper braid, coated with PVC insulation. for the quickest, most convenient solution to create electrical connections from 125 to 630 A.

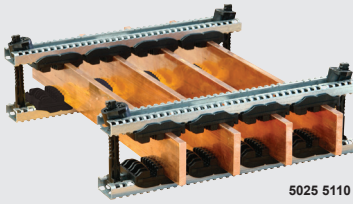
- Conductor: Tinned electrolytic copper braid Cu-ETP 99.90% (wire strand 0.20 mm)
- Insulation: Self-extinguishing PVC UL94V0 (thickness 1.8 - 2 mm)
- Dielectric rigidity: 20 kV / mm
- Rated voltage: 1000 VAC / 1500 VDC
- Working temperature: -40°C ... +105°C
- Standard length: 330 ... 1030 mm lengths



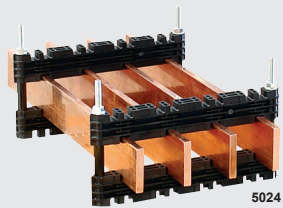
type	conductor size (mm)				Δ T (°K) see Annex-1 max. current capacity (A) at Δ T (°K) as per IEC 439-1			description
	width	thickness	length	cross sec. (mm ²)	45°C	35°C	25°C	
25 mm² insulated braided links <i>mounting holes: Ø d1=8.5 / Ø d2=10.5 mm</i>								
JLK1005	20	4.3	330	25	185	175	145	insulated braided shunt
JLK1010	20	4.3	430	25	185	175	145	insulated braided shunt
JLK1015	20	4.3	530	25	185	175	145	insulated braided shunt
JLK1020	20	4.3	630	25	185	175	145	insulated braided shunt
JLK1021	20	4.3	730	25	185	175	145	insulated braided shunt
JLK1023	20	4.3	930	25	185	175	145	insulated braided shunt
35 mm² insulated braided links <i>mounting holes: Ø d1=8.5 / Ø d2=10.5 mm</i>								
JLK1030	20	4.9	330	35	225	205	170	insulated braided shunt
JLK1035	20	4.9	430	35	225	205	170	insulated braided shunt
JLK1040	20	4.9	530	35	225	205	170	insulated braided shunt
JLK1045	20	4.9	630	35	225	205	170	insulated braided shunt
JLK1046	20	4.9	730	35	225	205	170	insulated braided shunt
JLK1048	20	4.9	930	35	225	205	170	insulated braided shunt
JLK1049	20	4.9	1030	35	225	205	170	insulated braided shunt
50 mm² insulated braided links <i>mounting holes: Ø d1=8.5 / Ø d2=10.5 mm</i>								
JLK1055	20	5	330	50	280	250	220	insulated braided shunt
JLK1060	20	5	430	50	280	250	220	insulated braided shunt
JLK1065	20	5	530	50	280	250	220	insulated braided shunt
JLK1070	20	5	630	50	280	250	220	insulated braided shunt
JLK1071	20	5	730	50	280	250	220	insulated braided shunt
JLK1073	20	5	930	50	280	250	220	insulated braided shunt
JLK1074	20	5	1030	50	280	250	220	insulated braided shunt
120 mm² insulated braided links <i>mounting holes: Ø d1=10.5 / Ø d2=10.5 mm</i>								
JLK1075	30	7.5	330	120	440	400	335	insulated braided shunt
JLK1080	30	7.5	430	120	440	400	335	insulated braided shunt
JLK1085	30	7.5	530	120	440	400	335	insulated braided shunt
JLK1090	30	7.5	630	120	440	400	335	insulated braided shunt
JLK1095	30	7.5	730	120	440	400	335	insulated braided shunt
JLK1097	30	7.5	930	120	440	400	335	insulated braided shunt
JLK1098	30	7.5	1030	120	440	400	335	insulated braided shunt
240 mm² insulated braided links <i>mounting holes: Ø d1=12.5 / Ø d2=10.5 mm</i>								
JLK1100	32	12.5	330	240	730	680	565	insulated braided shunt
JLK1105	32	12.5	430	240	730	680	565	insulated braided shunt
JLK1110	32	12.5	530	240	730	680	565	insulated braided shunt
JLK1115	32	12.5	630	240	730	680	565	insulated braided shunt
JLK1120	32	12.5	730	240	730	680	565	insulated braided shunt
JLK1130	32	12.5	930	240	730	680	565	insulated braided shunt
JLK1135	32	12.5	1030	240	730	680	565	insulated braided shunt

Phase colours: Besides standard white (above), colours red and blue can be ordered on request by adding .../R (red) or .../B (blue) to above (white) part numbers.

Derating coefficient for bars in parallel		
Number of bars	2 bars	3 bars
Coefficient to use	x 1.6	x 2



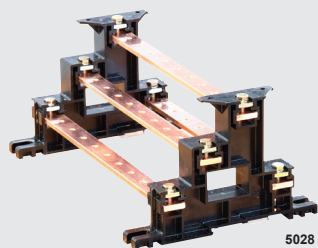
5025 5110



5024 6400



5020 2030



5028 0410

SBC ER – Compact adjustable busbar support - IEC 60439-1 4000A

Universal multipole (*edgewise mounting*) busbar support system.

- Easy to install – cost effective
- Adjustable distance between phases (*5 mm increments*) minimum = 70 mm
- Up to 75kA rms Isc - 165kA peak Isc (*distance between supports dependant*)
- For bars 30...125 mm wide x 5/10 mm thick (*1...3 bars per phase*)
- High dielectrical resistance
- High mechanical strength Vertical bars
- High short circuit strength (see **Annex-8**)



type	for busbar thickness	No. bars per phase	insulation voltage	interphase distance	description	pcs per pack	
5025 5110	10 mm	1-2	1000V	adjustable	busbar support inserts	(4 pcs)	
5025 5105	5 mm	1-3	1000V	adjustable	busbar support inserts	(8 pcs)	
5025 5100	universal clamping stud kit for bars 25 to 200 mm (H)					<i>per pack</i>	(4 pcs)
5025 5101	metal clamping stud kit for bars 25 to 100 mm (H)					<i>per pack</i>	(2 pcs)
5025 5124	profile	perforated support profile for inserts			<i>length 380 mm</i>	(4 pcs)	
5025 5125	profile	perforated support profile for inserts			<i>length 480 mm</i>	(4 pcs)	
5025 5126	profile	perforated support profile for inserts			<i>length 580 mm</i>	(4 pcs)	
5025 5128	profile	perforated support profile for inserts			<i>length 780 mm</i>	(4 pcs)	

One complete busbar support systems:
 2 x support inserts (per phase) (3P = 6 / 4P = 8)
 2 x clamping studs
 2 x support profiles (1 x top, 1 x bottom)

SBC 10 – Compact busbar support – IEC 60439-1 2500A

Multipole (*edgewise mounting*) busbar support system - fixed interphase distance.

- For bars 30 ... 120 mm wide x 10 mm thick (*one or two bars per phase*)
- Up to 50kA rms Isc - 110kA peak Isc (*distance between supports dependant*)
- Reverse support to accommodates busbar offset (*for joining bars*)

5024 6400	10 mm	1/2	800V	75/90 mm	3 pole busbar support	(ea)
5024 6700	10 mm	1/2	1000V	90 mm	4 pole busbar support	(ea)

For complete system, order: 2 x supports + 1 x mounting accessory kit (below)

Mounting accessory kits - (2 x M8 threaded studs/insulation spacers/nuts)

5020 2030	mounting accessory kit	(rods/spacers/nuts)	for 30 mm busbars
5020 2040	mounting accessory kit	(rods/spacers/nuts)	for 40 mm busbars
5020 2050	mounting accessory kit	(rods/spacers/nuts)	for 50 mm busbars
5020 2060	mounting accessory kit	(rods/spacers/nuts)	for 60 mm busbars
5020 2080	mounting accessory kit	(rods/spacers/nuts)	for 80 mm busbars
5020 2100	mounting accessory kit	(rods/spacers/nuts)	for 100 mm busbars

SB E 44 – Four-pole stair type busbar support system 300A

Four-pole stair type busbar support system. (H) 180 x (W) 25 x (D) 126 mm

- For flat bars 15/20/30 mm wide x 5 mm thick (*solid or perforated*)
- Up to 22kA rms Isc - 50kA peak Isc (*distance between supports dependant*)
- DIN rail mountable or bolt down
- Thermoplastic
- Self-extinguishing UL94VO

5028 0410	5 mm	1	1000V	35.5 mm	4 pole stair type support
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60mm - System classic

The 60 mm system is an extremely compact busbar system with 60 mm spacing between busbars arranged in horizontal format, permitting simple attachable “clip-on” accessories such as connections for various cable and/or flexible or solid busbars, fuse holders and switches as well as easy connectors which accommodate circuit breakers, contactors etc.

type	for busbar size (mm) width	thick	no. poles	description	amps
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Busbar supports up to 630A

- Horizontal mounting of busbars (15 - 20 - 25 - 30 mm wide)
- Permits direct mounting of accessories: various termination, fuse/circuit breaker protection

01601	15 - 30 mm	5/10 mm	1	universal busbar support	630A
01356	15 - 30 mm	5/10 mm	2	universal busbar support	630A
01495	15 - 30 mm	5/10 mm	3	universal busbar support	630A
01484*	15 - 30 mm	5/10 mm	3	busbar support (with control terminals)	630A
01485	15 - 30 mm	5/10 mm	4	universal busbar support	630A

* With integrated 16mm termination for control wiring/connection

“H” profile busbar supports up to 1600A

- Horizontal mounting of “H” profile busbars 30 mm wide
- Permits direct mounting of accessories: various termination, fuse/circuit breaker protection

01116	30 mm	“H” profile	1	“H” profile busbar support	1600A
01231	30 mm	“H” profile	3	“H” profile busbar support	1600A

01116 (1 pole) attaches to 01231 (3 pole) to make a 4 pole support

End covers for busbar supports (provides insulated protection of busbar ends)

01573	end cover for		3	01495 / 01484 busbar supports	
01131	end cover for		4	01485 busbar supports	
01373	end cover for		1	01116 busbar supports	
01234	end cover for		3	01231 busbar supports	

Busbar termination (for connecting cables directly onto busbars)

For cable conductors

- “clip-on” terminals for cable conductors
- Direct clamping onto busbars no drilling required

type	for busbar size (mm) width	thick	no. poles	cable size mm ² min max		description	amps
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01284	15 - 30 mm	5 mm	1	1.5	16	conductor terminal	180A
01285	15 - 30 mm	5 mm	1	4	35	conductor terminal	270A
01287	15 - 30 mm	5 mm	1	16	70	conductor terminal	400A
01289	15 - 30 mm	10 mm	1	1.5	16	conductor terminal	180A
01290	15 - 30 mm	10 mm	1	4	35	conductor terminal	270A
01292	15 - 30 mm	10 mm	1	16	70	conductor terminal	400A
01203	15 - 30 mm	10 mm	1	16	120	conductor terminal	440A

CRITO® ProfiClip brace terminals for cable conductors (for standard and “H” profile bars)

01318	20 - 30 mm	5/10 mm	1	95	185	conductor terminal	500A
01760	20 - 30 mm	5/10 mm	1	120	300	conductor terminal	600A

3 phase clamp-on terminals (fully insulated, internally partitioned)

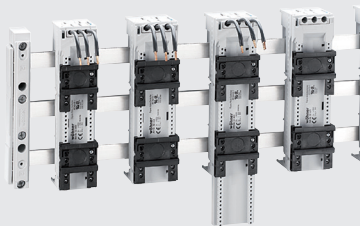
01563	15 - 30 mm	5/10 mm	3	1.5	16	conductor terminal	80A
01240	15 - 30 mm	5/10 mm	3	6	50	conductor terminal	300A
01243	15 - 30 mm	5/10 mm	3	35	120	conductor terminal	440A
01199	20 - 30 mm	5/10 mm	3	95	185	conductor terminal	460A
01754	20 - 30 mm	5/10 mm	3	120	300	conductor terminal	560A
01537*	20 - 30 mm	5/10 mm	3	120	300	conductor terminal	560A

* Adjustable phase separation distance to align with connected component (supplied without cover)

CRITO® brace terminals for flat and flexible copper busbars

	width	thick	no.	max. bar size		description	amps
				wide	thick		
01319	30 mm	10 mm	1	30	20	busbar connection	750A
01069	30 mm	10 mm	1	55	28	busbar connection	1600A
01070	30 mm	10 mm	1	68	28	busbar connection	1600A
01071	30 mm	10 mm	1	105	28	busbar connection	1600A
01538*	20 - 30 mm	5/10 mm	3	32	20	busbar connection	800A

* Adjustable phase separation distance (to align with connected component) supplied without cover



EQUES series - Easy connectors

Direct busbar mountable "clip-on" adaptors accept various devices such as MCB's, circuit breakers, fuse holders, contactors etc. without drilling busbars.

type	for busbars (mm)		no. rails	wires mm ²	dimensions (mm)		description	amps
	width	thick			W	H		

Easy connectors 25 - 32 - 63A

- Direct busbar mounting adaptors for busbars 15 - 20 - 25 - 30 mm wide and "H" profile
- With integrated DIN rail and pre-wired power leads from connected busbars

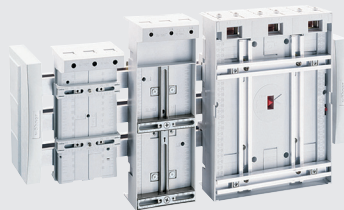
32430	15 - 30	5/10"/"H"	1	4	45	200	easy connector	25A
32431	15 - 30	5/10"/"H"	2	4	45	200	easy connector	25A
32441	15 - 30	5/10"/"H"	1	6	54	200	easy connector	32A
32442	15 - 30	5/10"/"H"	2	6	54	200	easy connector	32A
32454	15 - 30	5/10"/"H"	1	10	54	200	easy connector	63A
32455	15 - 30	5/10"/"H"	2	10	54	200	easy connector	63A
32459	15 - 30	5/10"/"H"	2	10	81	200	easy connector	63A

Universal power connectors (to accommodate MCCB's and switchgear)

- For commercially available switchgear (*M4 fixing screws*)
- For top connection to busbar system (*bottom connection available on request*)

32214	15 - 30	5/10"/"H"	top connection	108	222	busbar adaptor	200A
32215	15 - 30	5/10"/"H"	bottom connection	108	222	busbar adaptor	200A
32168	15 - 30	5/10"/"H"	top connection	110	320	busbar adaptor	250A
32004*	15 - 30	5/10"/"H"	top/bottom	184	320	busbar adaptor	630A

* With top or bottom connection



Busbar mounted fuse bases

type	for busbars (mm)		no. rails	fuse size	description	amps
	width	thick				

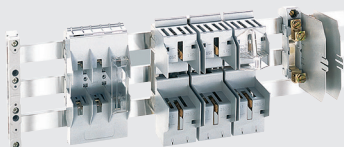
- Clamps directly onto busbar (*no drilling required*)

NH DIN fuse holders (blade type fuses)

03370	15 - 30	5/10"/"H"	1 pole	"00"	busbar mounted NH fuse base	160A
03656	15 - 30	5/10"/"H"	3 pole	"00"	busbar mounted NH fuse base	160A
03301	15 - 30	5/10"/"H"	3 pole	"1"	busbar mounted NH fuse base	250A
03693	15 - 30	5/10"/"H"	3 pole	"2"	busbar mounted NH fuse base	400A

NH fuse protection covers

79448			1 pole	"00"	grip lug cover for NH fuses	-
79449			1 pole	1-2-3	grip lug cover for NH fuses	-



Cylindrical fuse holders 10 x 38 mm

1 pole busbar mounted fuse holder for 10 x 38 cylindrical fuses

31570	30 mm	5/10	1 pole	10 x 38	1000 VDC busbar mount f/holder	30A
31572	20 mm	5/10	1 pole	10 x 38	1000 VDC busbar mount f/holder	30A

3 pole busbar mounted fuse holder for 10 x 38 cylindrical fuses

- Vertical mount compact (*27 mm wide*) 3 pole in-line fuse holder

31954	15-30	5/10"/"H"	3 pole	10 x 38	busbar mount fuse base	160A
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Bus-mounted fuse switch disconnectors (top or bottom connection)

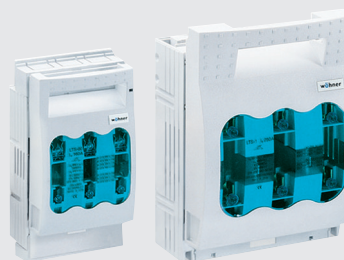
- Bus-mounting fuse switch disconnector, top/bottom connection

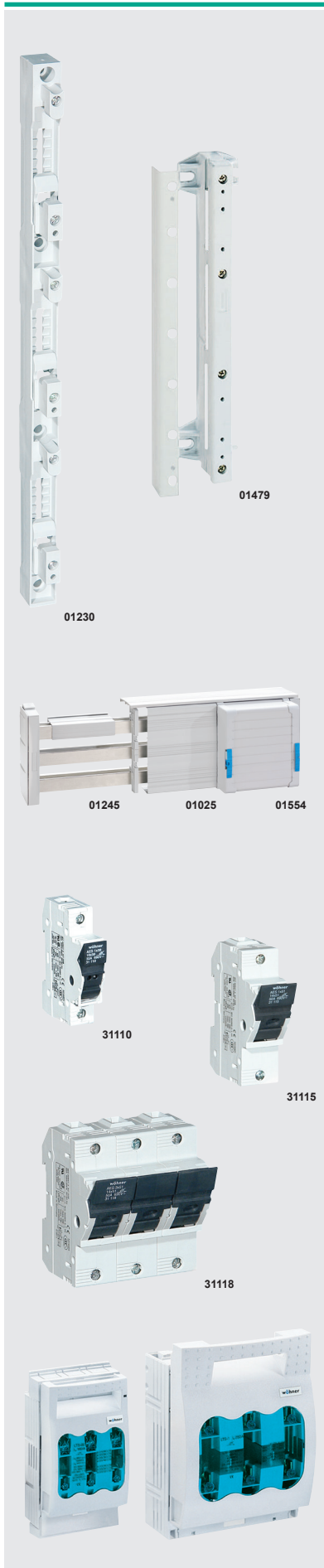
Horizontal mount

33216	15 - 30	5/10"/"H"	3 pole	"000"	busbar mounted NH fuse base	125A
33398	15 - 30	5/10"/"H"	3 pole	"00"	busbar mounted NH fuse base	160A
33601	15 - 30	5/10"/"H"	3 pole	"1"	busbar mounted NH fuse base	250A
33602	15 - 30	5/10"/"H"	3 pole	"2"	busbar mounted NH fuse base	400A
33603	15 - 30	5/10"/"H"	3 pole	"3"	busbar mounted NH fuse base	630A

Vertical mount (in-line)

33234	15 - 30	5/10"/"H"	3 pole	"00"	in-line bus mounted NH fuse base	160A
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100 mm - Universal busbar support system

The 100 mm system is a compact busbar system with 100 mm spacing between busbar centres. Busbars are arranged in a horizontal format, permitting simple attachable "clip-on" accessories such as connections for various cable and/or flexible or solid busbars, fuse holders and switches as well as easy connectors which accommodates circuit breakers, contactors etc.

type	for busbar size (mm) width	thick	no. poles	description	rated current
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Busbar supports 100 mm 1250A (3 pole)

- Horizontal mounting of undrilled busbars 30 - 40 - 50 - 60 mm wide
- Permits direct mounting of accessories: various termination, fuse/circuit breaker protection

01479 30 - 60 mm 10 mm 3 universal 100 mm busbar support 1250A

End covers for above busbar supports *provides insulated protection of busbar ends*

01254 end cover 3 for above **01479** busbar supports

Busbar supports 185 mm 2500A (3 pole)

The 185 mm busbar support system accepts busbars from 30 to 120 mm wide mounted horizontally with 185 mm spacing between busbar centres. The wide spacing of busbars offers short-circuit ratings in excess of 100 kA.

01230 30 - 120 mm 10 mm 3 universal 185 mm busbar support 2500A

End covers for above busbar supports *provides insulated protection of busbar ends*

33341 end cover 3 for above **01230** busbar supports

Accessories for busbar systems

Busbar covers

01245 30 10 single busbar cover (*clips directly onto busbar*) 1 met

01252 30 "H" profile single busbar cover (*clips directly onto busbar*) 2 met

01025 3 pole reserve section cover (*requires 01026 support for cover*) 0.7 met

01026 support for reserve section cover 32 mm high (*clips directly onto busbars*)

01320 support for reserve section cover 107 mm high (*clips directly onto busbars*)

System cover (can be used to make up any sized cover for busbars, terminals etc.)

01136 (left + right) support for cover section (*clips directly onto busbars*)

01554 front cover section (*requires 01136 supports*) 1.1 met

01555 top/bottom cover section (*requires 01136 supports*) 1.1 met

Surface/rail mount fuse holders and switch disconnectors

type	no. poles	fuse size	description	rated current
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Cylindrical fuse holders

- Modular DIN rail mounting, shock protection to DIN VDE 0660, IEC/EN 60947-3
- Silicone and chlorine free, self extinguishing to UL94
- Creepage resistance CTI 200

31110 DIN rail mounting 1 10 x 38 cylindrical fuse holder 32A

31113 DIN rail mounting 3 10 x 38 cylindrical fuse holder 32A

31115 DIN rail mounting 1 14 x 51 cylindrical fuse holder 50A

31118 DIN rail mounting 3 14 x 51 cylindrical fuse holder 50A

31120 DIN rail mounting 1 22 x 58 cylindrical fuse holder 125A

31123 DIN rail mounting 3 22 x 58 cylindrical fuse holder 125A

NH fuseswitch disconnectors

3 pole switching DIN VDE 0660, IEC/EN 60947-3

- Shock protection with integrated positive action closure and arc chambers
- Mechanical fuse retention in disconnector lid
- IP30 front degree of protection
- Silicone and chlorine free, self extinguishing to UL94

33217 fuse switch/holder 3 C00 fuse switch disconnector 125A

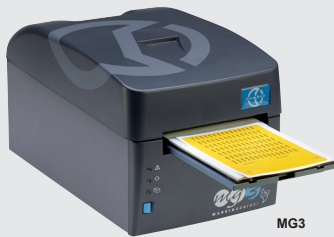
33222 fuse switch/holder 3 00 fuse switch disconnector 165A

33201 fuse switch/holder 3 1 fuse switch disconnector 250A

33202 fuse switch/holder 3 2 fuse switch disconnector 400A

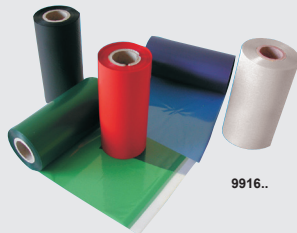
33203 fuse switch/holder 3 3 fuse switch disconnector 630A

33204 fuse switch/holder 3 4 fuse switch disconnector 1600A



MARKINGENIUS MG3 printer

- Easy printing system: no maintenance, no settings, no technical skills needed
- Best resolution in the market: 300 x 600 dpi
- Just 3 plates for thousands labels and tags
- MG3 is the first printer especially designed for identification



Thermal transfer printer for customised marking of tags on a sheet

MARKINGENIUS MG3 - Exclusively designed for the identification of conductors and electrical components. High resolution plug & play printer based on thermal transfer technology, capable of producing tags for cables, pipes, tubes, terminal block markers, legends and labels for electrical panels, components and equipment.

Can reproduce clipart images, drawings, barcodes and bitmaps down to very fine detail. Compact, ergonomical, clean and quiet, MG3 may be conveniently located in an office, like any other computer peripheral.

Each monochrome ribbon prints more than 300 000 (4 x 10 mm) cable tags with full printable surface coverage. Carriage loading and unloading operations are rapid and easy. Support templates are easily interchangeable. Pigment deposited from the ribbon dries instantaneously, printed sheets are immediately ready for use.

MARKINGENIUS MG3 printer (H) 221 x (W) 230 x (D) 382 mm

- **Speed:** Prints 112 MG-TPMF (4 x 10 mm) cable tags in less than 12 seconds
- **Convenience:** Software provides quick and easy upload of data to be printed
- **Economy:** Prints up to 300 000 MG-TPMF 4 x 10 cable tags with a single ribbon
- **Quality:** Printer resolution 300 x 600 dpi

Following supplied with MG3 printer:

- MG2-PWC (991000) support template for tags (**MG-TPM**)
- MG2-PLT (991002) support template for legends, labels and signs and all **serieFLAT** media
- MG2-QTB (991011) support template for terminal block markers (**MG-CPM-01,02,03,04,07**)
- Mains/USB cable, protective cover, Black ribbon and take up core, installation/operating docs
- GENIUSPRO (software - 5 multiple licences and manual)

type	description
MG3	MARKINGENIUS MG3 thermal transfer printer for marking tags and legends

Accessories and spares for MG3 printers

MG2-ETR ribbons for MARKINGENIUS MG3				thermal transfer printer ribbon	
type	width (mm)	length (meters)	colour	description	Pantone ref.
991600	120	200	black	thermal transfer printer ribbon	Black C
991601	120	200	blue	thermal transfer printer ribbon	2935C
991602	120	200	red	thermal transfer printer ribbon	186C
991606	120	200	white	thermal transfer printer ribbon	-
VALMG	transportation case with wheels for MG3 thermal transfer printer				

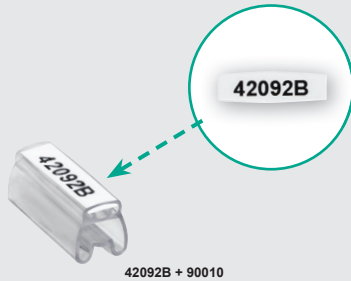
Support templates for MG3 printer

- 991000* MG2-PWC support template for cable tags **MG-TPM**
- 991002* MG2-PLT support template for legends, labels, signs and all **serieFLAT**
- 991011* MG2-QTB support template for terminal markers **MG-CPM-01/02/03/04/07**
- 991004 MG2-WTB support template for terminal markers **MG-CPM-05/12**
- 991010 MG2-PTM support template for cable tags **MG-TDMO & MG-TDM (4 - 16 mm)**

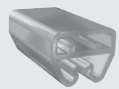
* Usually supplied with MG3 printer

- 991670 MG2-CKP print head cleaning kit (template, pad & cleaning fluid)
- 992150 MG2-CNP replacement pads for above cleaning kit **MG2-CKP (5 pcs)**
- 991671 MG2-CHS replacement cleaning fluid for above cleaning kit **MG2-CKP**

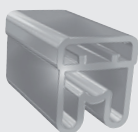




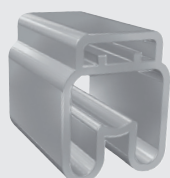
42092B + 90010



PMF-00



PMF-01



PMF-03

Cable tags precut 4 mm push-in marker tags for PMF holders - new "easy entry" profile

SeriesFLAT 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 appropriate holders for perfect protection against degradation by chemical and environmental agents over time. Tag stems can also be labelled to indicate specific job or application notes.

type	size (mm)	for cable (mm ²)	SW code	colour	description	tags per sheet	tags per box
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MG-TPMF slide-in marking tags for PMF transparent holders - "easy entry"

- Material: Rigid PVC, self extinguishing class VO: UL 94
- Operating temperature: -30°C - +60°C
- Support template: **991002 MG2-PLT** (usually supplied with MG3 printer)

42091B	4 x 12	—	505	white	slide-in tags for PMF holders	80	4000
42092B	4 x 15	—	503	white	slide-in tags for PMF holders	80	4000
42093B	4 x 20	—	504	white	slide-in tags for PMF holders	64	1600
42096B	4 x 30	—	509	white	slide-in tags for PMF holders	48	1200
42097B	4 x 40	—	508	white	slide-in tags for PMF holders	32	800
42041B	4 x 12	—	505	yellow	slide-in tags for PMF holders	80	4000
42042B	4 x 15	—	503	yellow	slide-in tags for PMF holders	80	4000
42043B	4 x 20	—	504	yellow	slide-in tags for PMF holders	64	1600
42046B	4 x 30	—	509	yellow	slide-in tags for PMF holders	48	1200
42047B	4 x 40	—	508	yellow	slide-in tags for PMF holders	32	800

Other colours available on request

PMF transparent tag holders for MG-TPMF seriesFLAT pre-printed 4 mm cable tags

PMF holders are specifically designed to accommodate appropriately sized cables. They slide on to cables to receive a pre-printed marking tag into a protected sleeve on the holder.

type	for tag (mm)	for cable (mm ²)	colour	description	std pack qty
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- Material: Plasticised PVC, self extinguishing to class VO: UL 94
- Operating temperature: -40°C - +80°C
- Free of Cadmium, Lead, Silicon, Teflon. Resistant to alkali, alcohol, acids and solvents

PMF-00 for cable ext. Ø diameter 1.3 - 2.2 mm

90010	4 x 12	0.25-0.5	t/parent	slide-on transparent tag holder	7000
90020	4 x 15	0.25-0.5	t/parent	slide-on transparent tag holder	6000
90040	4 x 20	0.25-0.5	t/parent	slide-on transparent tag holder	4000
90070	4 x 30	0.25-0.5	t/parent	slide-on transparent tag holder	2000
90090	4 x 40	0.25-0.5	t/parent	slide-on transparent tag holder	2500

PMF-01 for cable ext. Ø diameter 2 - 3.7 mm

90110	4 x 12	0.5 - 2.5	t/parent	slide-on transparent tag holder	5000
90120	4 x 15	0.5 - 2.5	t/parent	slide-on transparent tag holder	4000
90140	4 x 20	0.5 - 2.5	t/parent	slide-on transparent tag holder	3000
90170	4 x 30	0.5 - 2.5	t/parent	slide-on transparent tag holder	2000
90190	4 x 40	0.5 - 2.5	t/parent	slide-on transparent tag holder	1000

PMF-02 for cable ext. Ø diameter 3.4 - 4.3 mm

90210	4 x 12	2.5 - 4	t/parent	slide-on transparent tag holder	4000
90220	4 x 15	2.5 - 4	t/parent	slide-on transparent tag holder	3000
90240	4 x 20	2.5 - 4	t/parent	slide-on transparent tag holder	2000
90270	4 x 30	2.5 - 4	t/parent	slide-on transparent tag holder	1000
90290	4 x 40	2.5 - 4	t/parent	slide-on transparent tag holder	1000

PMF-03 for cable ext. Ø diameter 4 - 6.3 mm

90310	4 x 12	4 - 10	t/parent	slide-on transparent tag holder	2000
90320	4 x 15	4 - 10	t/parent	slide-on transparent tag holder	2000
90340	4 x 20	4 - 10	t/parent	slide-on transparent tag holder	1000
90370C	4 x 30	4 - 10	t/parent	slide-on transparent tag holder	1000
90390	4 x 40	4 - 10	t/parent	slide-on transparent tag holder	1000

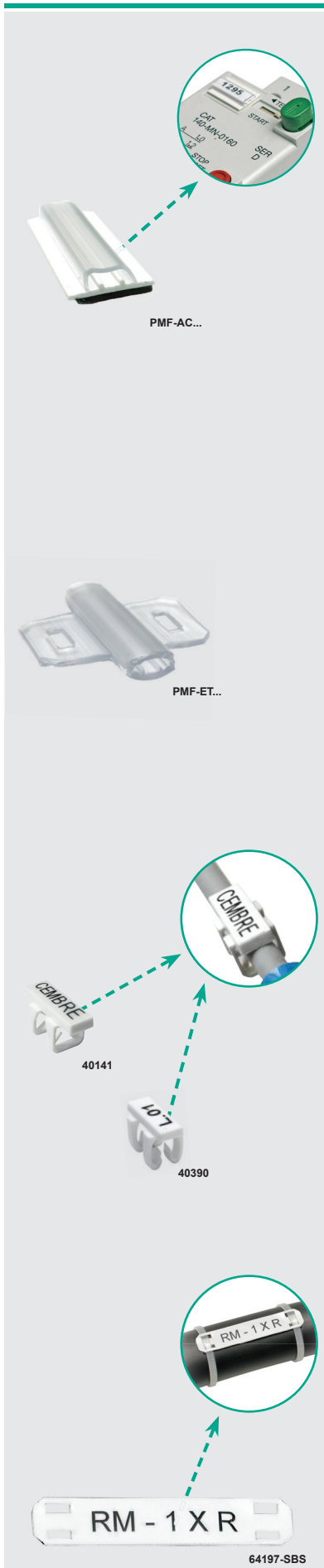
PMF-04 for cable ext. Ø diameter 6 - 10 mm

90420	4 x 15	10 - 25	t/parent	slide-on transparent tag holder	1000
90440	4 x 20	10 - 25	t/parent	slide-on transparent tag holder	500
90470	4 x 30	10 - 25	t/parent	slide-on transparent tag holder	500
90490	4 x 40	10 - 25	t/parent	slide-on transparent tag holder	500

PMF-05 for cable ext. Ø diameter 9 - 15 mm

90520	4 x 15	25 - 70	t/parent	slide-on transparent tag holder	250
90540	4 x 20	25 - 70	t/parent	slide-on transparent tag holder	250
90570	4 x 30	25 - 70	t/parent	slide-on transparent tag holder	150
90590	4 x 40	25 - 70	t/parent	slide-on transparent tag holder	100

Larger sizes up to 240 mm² available on request



Transparent tag holders to receive 4 mm pre-printed tags

PMT holders are specifically designed to receive a pre-printed marking tag into a protected sleeve on the holder.

type	for tag (mm)	mounting	colour	description	std pack
PMF transparent holders for MG-TPMF series FLAT cable tags 4 mm					
<ul style="list-style-type: none"> Material: Plasticised PVC, self extinguishing to class VO: UL 94 Operating temperature: -40°C - +80°C Free of Cadmium, Lead, Silicon, Teflon. Resistant to alkali, alcohol, acids and solvents 					
PMF-AC self adhesive tag holders for surface mounting of 4 mm tags					
66010N	4 x 12	adhesive	t/parent	self adhesive 4 mm tag holder	4000
66020N	4 x 15	adhesive	t/parent	self adhesive 4 mm tag holder	4000
66040N	4 x 20	adhesive	t/parent	self adhesive 4 mm tag holder	4000
66070N	4 x 30	adhesive	t/parent	self adhesive 4 mm tag holder	2000
66090N	4 x 40	adhesive	t/parent	self adhesive 4 mm tag holder	1000
PMF-ET tie-on tag holders for mounting on cables, hoses, tubes, conduits with cable ties					
<ul style="list-style-type: none"> Tie on holder (max cable tie width 6 mm) longitudinal mounting of cables, tubes, conduit 					
63020	4 x 15	tie mount	1 tie	t/parent tie-on transparent tag holder	2000
63040	4 x 20	tie mount	1 tie	t/parent tie-on transparent tag holder	1000
63070	4 x 30	tie mount	1 tie	t/parent tie-on transparent tag holder	1000
63090	4 x 40	tie mount	2 ties	t/parent tie-on transparent tag holder	500

MG series one piece cable marking tags (without holder - directly mounts onto cable)

MG one piece tags require no holders and can be directly mounted onto cable without tools
A sheet of tags takes 10 seconds to print. Partially printed sheets may be re-used to avoid wastage.
MG - one piece marking tags mount onto cables via the two range-taking apertures

- Material: Polycarbonate, Halogen Free, self extinguishing to class VO: UL 94
- Operating temperature: -40°C - +130°C

991010 Use support template MG2-PTM for all MG series markers (see page L-37)

type	size (mm)	for cable (mm ²)	SW code	colour	description	tags per sheet	box
MG-TDM slide-on one piece marking tags (pre - termination)							
MG-TDM-01	for cable external Ø diameter		1.6 - 3.25 mm				
40141	4 x 16	0.5-1.5	123	yellow	slide-on cable marker tags	40	800
MG-TDM-02	for cable external Ø diameter		2 - 4.4 mm				
40241	4 x 16	1 - 6	124	yellow	slide-on cable marker tags	40	640
MG2-TDMO clip-on one piece marking tags (post termination)							
MG2-TDMO-01	for cable external Ø diameter		2 - 2.9 mm				
40390	4 x 12	0.5 - 1.5	125	white	slide-on cable marker tags	40	880
40391	4 x 16	0.5 - 1.5	128	white	slide-on cable marker tags	40	880
MG2-TDMO-02	for cable external Ø diameter		2.9 - 3.5 mm				
40490	4 x 12	1.5 - 2.5	126	white	slide-on cable marker tags	40	640
40491	4 x 16	1.5 - 2.5	129	white	slide-on cable marker tags	40	640
MG2-TDMO-03	for cable external Ø diameter		2 - 4.4 mm				
40590	4 x 12	4 - 6	127	white	slide-on cable marker tags	40	560
40591	4 x 16	4 - 6	130	white	slide-on cable marker tags	40	560

MG-ETF cable and conduit tags (cable tie mounting)

- For marking large diameter cables, hoses, tubes and conduit
- Max. cable tie width: 4.8 mm
- Support template: **991002 MG2-PLT** (usually supplied with MG3 printer)

64192-SBS	13 x 57	581	white	11 x 35 mm tie mount cable tags	14	700
64142-SBS	13 x 57	581	yellow	11 x 35 mm tie mount cable tags	14	700
64293-SBS	15 x 95	584	white	15 x 95 mm tie mount cable tags	5	250
64197-SBS	28 x 57	591	white	26 x 35 mm tie mount cable tags	6	300
64147-SBS	28 x 57	591	yellow	26 x 35 mm tie mount cable tags	6	300

Other colours available on request.

9 mm marking tags and holders

type	size (mm)	SW code	colour	description	tags per sheet	box
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MG-TAPW 9 mm push-in precut marking legends for PMT series legend holders (*below*)

- Presented in stem format
- Tags are simply snapped off their stems and inserted into the appropriate holders
- Support template: **991002 MG2-PLT** (*usually supplied with MG3 printer*)

Material: Rigid PVC, self extinguishing to class VO: UL 94
Operating temperature: -30°C - +60°C

49090N	9 x 20	362	white	push-in legends for PMT holders	55	2750
49091N	9 x 35	364	white	push-in legends for PMT holders	33	1650
49095N	9 x 70	378	white	push-in legends for PMT holders	11	550
49040N	9 x 20	362	yellow	push-in legends for PMT holders	55	2750
49041N	9 x 35	364	yellow	push-in legends for PMT holders	33	1650
49045N	9 x 70	378	yellow	push-in legends for PMT holders	11	550

MG-TAA 9 mm self adhesive, precut legends supplied on a sheet

- Self adhesive, can be applied to panels, components and equipment
- Support template: **991002 MG2-PLT** (*usually supplied with MG3 printer*)

Material: Rigid PVC, self extinguishing to class VO: UL 94
Operating temperature: -30°C - +60°C

49290N	9 x 12	960	white	precut self adhesive blank legends	88	2200
49397N	9 x 15	961	white	precut self adhesive blank legends	77	1925
49190N	9 x 20	962	white	precut self adhesive blank legends	55	1375
49191N	9 x 35	964	white	precut self adhesive blank legends	33	825
49240N	9 x 12	960	yellow	precut self adhesive blank legends	88	2200
49347N	9 x 15	961	yellow	precut self adhesive blank legends	77	1925
49140N	9 x 20	962	yellow	precut self adhesive blank legends	55	1375
49141N	9 x 35	964	yellow	precut self adhesive blank legends	33	825

PMT transparent legend holders to receive **MG-TAPW** 9 mm pre-printed tags (*above*)

Material: Plasticised PVC, self extinguishing to class VO: UL 94
Operating temperature: -40°C - +80°C
Free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acid and many other solvents

type	for tags (mm)	mounting	colour	description	std pack qty
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PMT-AC self adhesive tag holder for surface mounting of 9 mm marking tags

59042N	9 x 20	adhesive	t/parent	self adhesive tag holder	500
59050N	9 x 35	adhesive	t/parent	self adhesive tag holder	500

PMT-ET tie-on tag holders for mounting on cables, hoses, tubes, conduits with cable ties

- Tie on holder (max cable tie width 6 mm) longitudinal mounting of cables, tubes, conduit

54040	9 x 20	1 tie	t/parent	tie-on transparent tag holder	1000
54050	9 x 35	2 ties	t/parent	tie-on transparent tag holder	500

PMT-CT tie-on tag holders for mounting on cables, hoses, tubes, conduits with cable ties

54013	9 x 35	2 ties	t/parent	55 mm t/parent tie-on tag holder	500
54014	9 x 70	2 ties	t/parent	90 mm t/parent tie-on tag holder	250

Rail holder and protective covers for 9 mm legends (*above*)

Legend rails provide an alternative to direct marking on components. 15 mm legends simply slide into rail and can be protected by using optional RT-CCP transparent protective strip.

- Legend rail for 9 mm labels
- Non-deformable up to 90°C
- Rigid dielectric high impact PVC. Lead-free, self extinguishing to class VO: UL 94

RTA-TAP self adhesive rail, accepts 9 mm legends

990506N	1 met	adhesive	grey	adhesive rail holder for 9 mm legend	25
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RT-CCP transparent protective strip for above rail

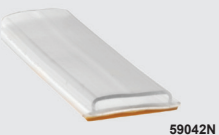
990734	1 met	RT-CCP	t/parent	protective strip for above 9 mm rails	25
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49040N



MG-TAA

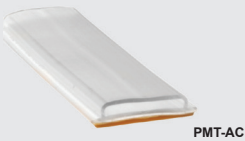




MG-TAP



MG-TAA



PMT-AC



PMT-ET

15 mm marking tags and holders

- Operating temperature: -30°C - +60°C
- Material: Rigid PVC, self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (usually supplied with MG3 printer)

type	size (mm)	SW code	colour	description	tags per sheet	box
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MG-TAP slide-in marking legends for **PMT-AC/ET/DT, PLR, PTPR** legend holders (below)

- Presented in stem format
- Tags are simply snapped off their stems and inserted into the appropriate holders

47090N	15 x 17	165	white	slide-in markers for 15 mm holders	42	1050
47091N	15 x 27	166	white	slide-in markers for 15 mm holders	28	1400
47092N	15 x 49	167	white	slide-in markers for 15 mm holders	14	700
47093N	15 x 67	168	white	slide-in markers for 15 mm holders	7	350

MG-17.5-R marking legends for **RTR/RTA-TAP** rail (overleaf)

- For use with RTR/RTA-TAP 15 mm legend rails
- Modular legends to suit standard MCB's for distribution boards

990768N	15 x 17.5	321	white	1 module	legend for rail holders	42	1050
990766N	15 x 35	322	white	2 module	legend for rail holders	21	1050
990764N	15 x 52.5	323	white	3 module	legend for rail holders	12	700
990762	15 x 70	324	white	4 module	legend for rail holders	6	300
990755	15 x 87.5	325	white	5 module	legend for rail holders	6	300
990798N	15 x 107.5	329	white	6 module	legend for rail holders	7	350
990883	15 x 140	331	white	8 module	legend for rail holders	7	350

MG-TAA self adhesive precut legends

- Self adhesive - can be applied to panels, components and equipment
- Material: Rigid PVC - self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (usually supplied with MG3 printer)

49192N	15 x 17	965	white	precut self adhesive blank legends	42	1050
49193N	15 x 27	966	white	precut self adhesive blank legends	28	700
49194N	15 x 49	967	white	precut self adhesive blank legends	14	350
49195N	15 x 67	968	white	precut self adhesive blank legends	7	175

MG-17.5-A self adhesive modular legends (for modular MCB's)

990824	15 x 107.5	929	white	6 module	self adhesive legends	7	175
990880	15 x 140	931	white	8 module	self adhesive legends	7	175

PMT transparent legend holders to receive **MG-TAP** 15 mm pre-printed legends (above)

PMT holders are specifically designed to receive a pre-printed marking tag into a protected sleeve on the holder.

type	for tags (mm)	mounting	colour	description	std pack qty
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- Material: Plasticised PVC, self extinguishing to class VO: UL 94
- Operating temperature: -40°C - +80°C
- Free of Cadmium, Lead, Silicon and Teflon. Resistant to alkali, alcohol, acids and solvents

PMT-AC self adhesive legend holders for surface mounting of 15 mm marking legends

59002N	15 x 17	adhesive	t/parent	self adhesive 15 mm tag holder	500
59010N	15 x 27	adhesive	t/parent	self adhesive 15 mm tag holder	1000
59020N	15 x 49	adhesive	t/parent	self adhesive 15 mm tag holder	500
59030N	15 x 67	adhesive	t/parent	self adhesive 15 mm tag holder	250

PMT-ET tie-on legend holders for mounting on cables, hoses, tubes and conduits with cable ties

- Tie on holder (max cable tie width 6 mm) longitudinal mounting of cables, tubes, conduit

54000	15 x 17	1 tie	t/parent	tie-on transparent tag holder	500
54010	15 x 27	1 tie	t/parent	tie-on transparent tag holder	500
54020	15 x 49	1 tie	t/parent	tie-on transparent tag holder	250
54030	15 x 67	2 ties	t/parent	tie-on transparent tag holder	250



Legend holders/base to receive MG-TAP 15 mm pre-printed legends

PMT holders are specifically designed to receive a pre-printed marking legends into a protected sleeve.

type	for tags (mm)	mount	colour	size (mm)	description	tags per sheet	box
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Holder/base to receive MG-TAP 15 mm pre-printed legends

PLR *rectangular legend support/base - rivet fixing*

34202	15 x 17	rivet	black	17 x 20	legend holder/base	100	
34302	15 x 27	rivet	black	17 x 30	legend holder/base	100	
34402	15 x 49	rivet	black	17 x 52	legend holder/base	100	
34502	15 x 67	rivet	black	17 x 70	legend holder/base	100	

PTPR-22 *legend holder for standard Ø 22.5 mm pushbuttons*

34102	15 x 27	Ø 22.5	black	48 X 30	p/button legend holder	100	
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MG-TAP-CCS transparent protective covers for above legend supports

990508N	15 x 17	165	t/parent		covers for legend supports	42	1050
990510N	15 x 27	166	t/parent		covers for legend supports	28	1400
990513N	15 x 49	167	t/parent		covers for legend supports	14	700
990514N	15 x 67	168	t/parent		covers for legend supports	7	350

Rail holder and protective covers for MG-17.5 15 mm legends

Legend rails provide an alternative to direct marking on components. 15 mm legends simply slide into rail and can be protected by using optional RT-CCP transparent protective strip.

- Legend rail for 15 mm labels
- Rigid dielectric high impact PVC. Lead-free, self extinguishing to class VO: UL 94
- Non-deformable up to 90°C

RTR-TAP *pre-drilled rail, accepts MG-17.5-R 15 mm legends*

990454	430 mm	rivet	black		rail holder for 15 mm legend		25
990664	650 mm	rivet	black		rail holder for 15 mm legend		25

RTA-TAP *self adhesive rail, accepts MG-17.5-R 15 mm legends*

990525N	1 met	adhesive	black		adhesive rail holder for 15 mm legend		25
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RT-CCP *transparent protective strip for above rail*

990735	1 met	RT-CCP	t/parent		protective strip for above rails		25
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Push button legends Ø 22.5 mm precut

- Operating temperature: -30°C - +60°C
- Material: Rigid PVC, self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (usually supplied with MG3 printer)

type	size (mm)	SW code	colour	description	tags per sheet	box
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MG-PTS *Ø22.5 mm precut legends for pushbuttons*

15090	40 x 30	1000	white	Ø 22.5 mm pushbutton legend	6	300
15040	40 x 30	1000	yellow	Ø 22.5 mm pushbutton legend	6	300
15000	40 x 30	1000	black	Ø 22.5 mm pushbutton legend	6	300
15091	50 x 30	1001	white	Ø 22.5 mm pushbutton legend	6	300
15041	50 x 30	1001	yellow	Ø 22.5 mm pushbutton legend	6	300
15001	50 x 30	1001	black	Ø 22.5 mm pushbutton legend	6	300

MG-VRT-A *Panel plates self adhesive, customisable*

Rigid PVC self adhesive panel plates used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, certification, etc.

- Material: Rigid PVC - self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (usually supplied with MG3 printer)

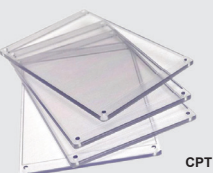
88916	25 x 50	853	white	precut self adhesive blank labels	8	200
88900N	32 x 58	200	white	precut self adhesive blank labels	6	150
88945	35 x 75	825	white	precut self adhesive blank labels	3	75
88918	50 x 50	858	white	precut self adhesive blank labels	4	100
88901	42 x 78	202	white	precut self adhesive blank labels	2	50
88902	62 x 88	204	white	precut self adhesive blank labels	1	25
88903	52 x 107	204	white	precut self adhesive blank labels	2	50
88913	92 x 118	813	white	precut self adhesive blank labels	1	25
88904	105 x 110	812	white	precut self adhesive blank labels	1	25



MG-TAA



MG-VYT



Self adhesive precut legends for marking

- Self adhesive - can be applied to panels, components and equipment
- Material: Rigid PVC - self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (*usually supplied with MG3 printer*)

type	size (mm)	SW code	colour	description	tags per sheet box	
MG-TAA self adhesive, precut legends						
49196	7 x 20	179	white	precut self adhesive blank legends	60	1500
49597	7 x 44	796	white	precut self adhesive blank legends	24	600
49498	8.5 x 30	720	white	precut self adhesive blank legends	33	825
49290N	9 x 12	960	white	precut self adhesive blank legends	88	2200
49397N	9 x 15	961	white	precut self adhesive blank legends	77	1925
49190N	9 x 20	962	white	precut self adhesive blank legends	55	1375
49191N	9 x 35	964	white	precut self adhesive blank legends	33	825
49193N	15 x 27	966	white	precut self adhesive blank legends	28	1050
49194N	15 x 49	967	white	precut self adhesive blank legends	14	350
49195N	15 x 67	968	white	precut self adhesive blank legends	7	175
49293	20 x 48	850	white	precut self adhesive blank legends	10	250
49294	20 x 72	851	white	precut self adhesive blank legends	5	125

MG-VYT self adhesive precut labels

- Dielectric PVC film labels used for internal and external marking
- Support template: **991002 MG2-PLT** (*usually supplied with MG3 printer*)

46915	6 x 15	181	white	precut self adhesive blank labels	105	5250
44891	7 x 10	191	white	precut self adhesive blank labels	120	6000
46928	7 x 15	182	white	precut self adhesive blank labels	60	3000
46935	7 x 20	190	white	precut self adhesive blank labels	60	3000
46914	9 x 12	160	white	precut self adhesive blank labels	80	4000
44895	9 x 15	161	white	precut self adhesive blank labels	70	3500
44896N	9 x 20	162	white	precut self adhesive blank labels	55	2750
46910N	9 x 35	164	white	precut self adhesive blank labels	33	1650
46921N	15 x 27	186	white	precut self adhesive blank labels	28	1400
46933N	15 x 49	187	white	precut self adhesive blank labels	14	700
46925	25 x 50	612	white	precut self adhesive blank labels	8	400
46926	25 x 80	613	white	precut self adhesive blank labels	4	200

Other sizes available on request.

MG-VRT-R customisable panel plates

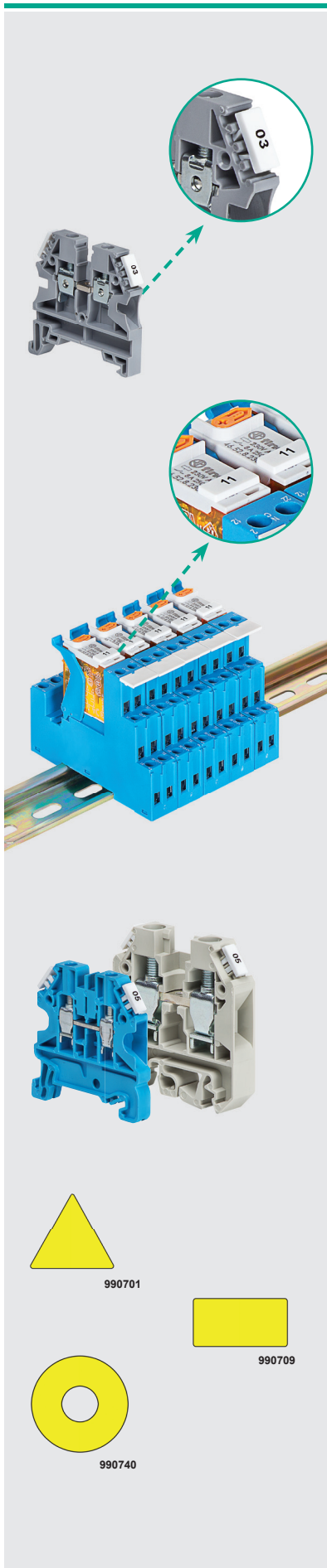
Rigid PVC panel plates used to create name plates, rating plates, data plates using company logos, technical data, serial numbers, certification, etc. CPT transparent polycarbonate covers can be used for increased durability

- Material: Rigid PVC - self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (*usually supplied with MG3 printer*)

48900N	32 x 58	200	white	precut customisable panel plates	6	300
48901	42 x 78	202	white	precut customisable panel plates	2	100
48902	62 x 88	203	white	precut customisable panel plates	1	50
48903	52 x 107	204	white	precut customisable panel plates	2	100
48913	92 x 118	813	white	precut customisable panel plates	1	50

CPT transparent rivet fixing protection covers for panel plates (*above*)

Polycarbonate covers can be used to increase durability (\varnothing 3 mm mounting holes)						std pack qty
47590	37 x 79	-	t/parent	covers for 32 x 58 panel plates	10	
47591	47 x 98	-	t/parent	covers for 42 x 78 panel plates	10	
47594	67 x 109	-	t/parent	covers for 62 x 88 panel plates	10	
47592	57 x 127	-	t/parent	covers for 52 x 107 panel plates	10	
47593	97 x 140	-	t/parent	covers for 92 x 118 panel plates	10	

**MG-CPM terminal block markers**

Terminal block markers are available in versions to suit the particular clip formats of the most widely used terminals, they provide an elevated mechanical robustness, high dimensional stability and are Halogen free. To optimise application time, additional data such as job details, location, etc - can be printed on the stems.

type	size (mm)	SW code	colour	description	tags per sheet	box
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MG-CPM terminal block markers

- Material: Polycarbonate, Halogen free self extinguishing to class VO: UL 94
- Operating temperature: -40°C - +130°C
- Support template: **991011 MG2-QTB** (usually supplied with **MG3 printer**)

MG-CPM-01

For terminals - **Klemsan**, Weidmuller, ABB Entrelec, Wago, Allen Bradley, ContaClip, Connectwell

41094	5 x 7	13	white	terminal block marking tag	56	1960
41090N	5 x 10	14	white	terminal block marking tag	56	1960
41091N	5 x 15	16	white	offset terminal block marking tag	48	1680
41095	6 x 10	17	white	modular terminal block marking tag	48	1680
41096	8 x 10	18	white	terminal block marking tag	32	1120

MG-CPM-04

For terminals - Phoenix Contact UK/UT/ST, ABB Entrelec, Wago, Cabur, Connectwell

41390N	5 x 10	42	white	terminal block marking tag	48	1680
41391	6 x 10	45	white	terminal block marking tag	48	1344

MG-CPM-07

For terminals - Phoenix Contact ST/STU/STS/STI/STN/STTB, Siemens 8WH, Schlegel

41691	5 x 10	71	white	terminal block marking tag	48	1680
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MG-CPM-11

For terminals - **Finder**, **Klemsan**, Allen Bradley, Weidmuller WDU, Contra Clip RK, Omron

46392	6 x 12	106	white	terminal block marking tag	48	1344
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MG-CPM-05

For terminals - **Wieland**, Telemecanique, Legrand

- Support template: **991004 MG2-WTB** support template for **MG-CPM-05**

41490	5 x 10	51	white	terminal block marking tag	56	1960
41494	5 x 10	51	white	modular terminal marking tag	56	1960

MG-SIGNS-VY self adhesive **panel labels**, warning, hazard, prohibition

- Material: PVC film
- Operating temperature: -30°C - +70°C

990700N	50	241	yellow	self adhesive triangle warning sign	4	200
990701	100	242	yellow	self adhesive triangle warning sign	1	50
990709	34 x 74	246	yellow	self adhesive rectangular label	2	100
990710	52 x 105	247	yellow	self adhesive rectangular label	2	100
990740	Ø 62	232	yellow	round label for 22.5 mm hole	1	50
990741	Ø 90	233	yellow	round label for 22.5 mm hole	1	50

new



Rolly3000

Thermal transfer printer for customised marking of tags on rolls

ROLLY3000 is designed for volume printing of all Cembre flat material on rolls, eg. Cable tags for holders, tie-on, wraparound cable markers, legend strips and labels.

Carriage loading and unloading operations are rapid and support templates are easily interchangeable. As pigment deposited from the ribbon dries instantaneously, printed sheets are immediately ready for use.

ROLLY3000 package comprises: (H) 286 x (W) 252 x (D) 440 mm

- ROLLY3000 printer
- Mains and USB cable, Black printer ribbon, installation/operating documentation, GENIUSPRO - software

type	description
ROLLY3000 printer	Thermal transfer printer for marking of tags and legends

- **Speed** Prints 1000 TPM-ROLL 4 x 10 cable tags in less than 2 minutes
- **Convenience** Software provides quick and easy upload of data to be printed
- **Economy** Prints up to 140.000 TPM-ROLL 4 x 10 cable tags with a single ribbon
- **Quality** Printer resolution 300 dpi

ROLLY3000 Thermal transfer printer for marking tags and legends on rolls

Accessories for ROLLY3000 printer

type	width (mm)	length (met.)	colour	description	Pantone ref.
842112	105	200	black	TPS-060 thermal t/fer printer ribbon	Black C

TPM-ROLL push-in 4 mm marking tags on a roll for **PMF, PMT-AC** tag holders

- Presented on a roll for ROLLY3000 printers
- Tags are simply inserted into appropriate holders and snapped off their branches

Material: Rigid PVC, self extinguishing to class VO: UL 94
 Operating temperature: -30°C - +60°C

type	size (mm)	SW code	colour	description	tags per roll
44091B	4 x 12	4022	white	push-in tags for PMF 4 mm holders	12552
44092B	4 x 15	4023	white	push-in tags for PMF 4 mm holders	12552
44093B	4 x 20	4005	white	push-in tags for PMF 4 mm holders	10200
44096B	4 x 30	4026	white	push-in tags for PMF 4 mm holders	6270
44097B	4 x 40	4007	white	push-in tags for PMF 4 mm holders	5005
44041B	4 x 12	4022	yellow	push-in tags for PMF 4 mm holders	12552
44042B	4 x 15	4023	yellow	push-in tags for PMF 4 mm holders	12552
44043B	4 x 20	4005	yellow	push-in tags for PMF 4 mm holders	10200
44046B	4 x 30	4026	yellow	push-in tags for PMF 4 mm holders	6270
44047B	4 x 40	4007	yellow	push-in tags for PMF 4 mm holders	5005

TAR-ROLL push-in 9 mm marking tags for **PMT and RT-TAPW** tag holders

75098	9 x 20	4301	white	push-in tags for PMT 9 mm holders	5800
75099	9 x 70	4300	white	push-in tags for PMT 9 mm holders	1450
75049	9 x 70	4300	yellow	push-in tags for PMT 9 mm holders	1450

ETF-ROLL tie-on, precut one piece 13 mm markers (max cable tie width 4.8 mm)

44192-SBS	13 x 57	4400	white	tie-on cable and conduit tags	1775
44142-SBS	13 x 57	4400	yellow	tie-on cable and conduit tags	1775

STRIP-ROLL-R modular component legend strips on a roll

- For use with RTA-TAP rail legend holder (page L-48)
- **SW code - 5002** - 430 mm / **SW 5102** - 630 mm / **SW5 202** - 1000 mm

13160	15 mm	-	white	modular component legend strip	25 met
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TTL self-adhesive thermal transfer labels on a roll (Polyester film)

8400008WPYG	7 x 15	4102	white	self adhesive labels on a roll	32000
8401010WPYG	7 x 20	4101	white	self adhesive labels on a roll	24000
8400092WPYG	9 x 15	4107	white	self adhesive labels on a roll	26660
8400017WPYG	9 x 20	4106	white	self adhesive labels on a roll	19995
8400094WPYG	9 x 38	4108	white	self adhesive labels on a roll	13300
8401008WPYG	15 x 27	4120	white	self adhesive labels on a roll	13320
8400038WPYG	22 x 40	4164	white	self adhesive labels on a roll	4800
8400073WPYG	25 x 45	4168	white	self adhesive labels on a roll	5710
8400042WPYG	30 x 50	4175	white	self adhesive labels on a roll	2420
8400072WPYG	30 x 80	4176	white	self adhesive labels on a roll	2420
8400051WPYG	40 x 80	4188	white	self adhesive labels on a roll	2800
8400083WPYG	40 x 90	4121	white	self adhesive labels on a roll	1860



44091B



44192-SBS



84...WPYG



»JOKARI«

Cembre

GLW
Crimping Technology

CHAUVIN
ARNOUX
GROUP