

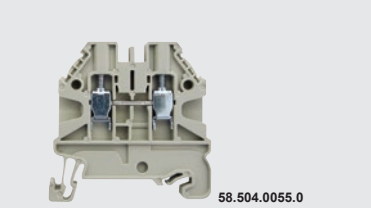
# L TERMINATION & WIRING

			L
	Rail mount terminals	L-1...4 L-5...9	Wieland Klemsan
	Slotted cable ducting	L-11	Ezi Canal
	DIN mounting rail	L-13	EM
	Cable carriers	L-14	EM
	Standard / Stainless steel cable ties	L-15 L-16	Ezi-Tie EM
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	Busbar supports	L-34 L-38 L-43 L-44...46	Micoel Teknomega Socomec Wohner
	Flexible insulated busbars / Braided links	L-39...41	Teknomega
	Marking system (thermal transfer printing)	L-47...55	Cembre
	Cable / Wire marking	L-48/49/55 L-10	Cembre Klemsan

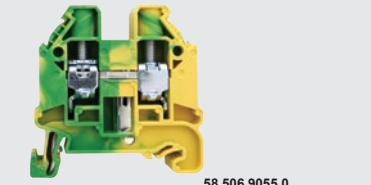


**WT series - Terminal blocks - with screw connection technology**

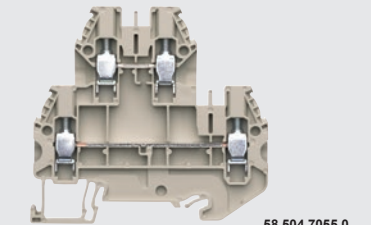
- Universal screw connection system (*one-piece thread for stress free connection and re-connection*)
- Compact dimensions - uniform design - universal marking system
- Double cross connection row accepts pluggable cross connectors (*plug-in bridge bars*)



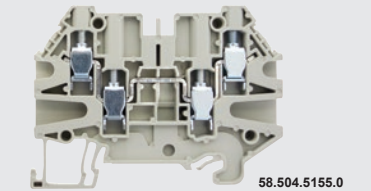
58.504.0055.0



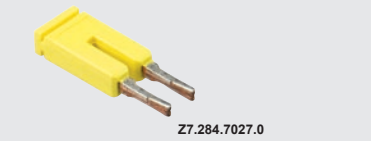
58.506.9055.0



58.504.7055.0



58.504.5155.0



Z7.284.7027.0

type	model	colour	wire size mm <sup>2</sup>	amperage IEC 947-7-1	term. width	maximum voltage	price
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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	12.09
58.504.0055.0	WT4	grey	0.14...6	32A	6 mm	1000 V	13.34
58.506.0055.0	WT6	grey	0.2...10	41A	8 mm	1000 V	23.69
58.510.0055.0	WT10	grey	0.5...16	57A	10 mm	1000 V	26.34
58.503.0055.6	WT2.5BL	blue	0.2...4	24A	5 mm	1000 V	13.12
58.504.0055.6	WT4BL	blue	0.5...6	32A	6 mm	1000 V	14.27
58.506.0055.6	WT6BL	blue	0.14...10	41A	8 mm	1000 V	39.00
58.510.0055.6	WT10BL	blue	0.14...16	57A	10 mm	1000 V	26.34

**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	43.71
58.504.9055.0	WT4PE	yel/grn	0.14...6	-	6 mm	1000 V	42.56
58.506.9055.0	WT6PE	yel/grn	0.2...10	-	8 mm	1000 V	56.36
58.510.9055.0	WT10PE	yel/grn	0.5...16	-	10 mm	1000 V	80.00

**End plates** *for above terminals*

07.313.2555.0	APWT2.5-10	grey		end plate	for term.	WT2.5/4/6/10	7.94
07.313.2655.0	TWWT2.5-10	grey		partition plate	for term.	WT2.5/4/6/10	10.70

**Multi-tier terminal blocks** 500V

58.504.5055.0	WT4D1/2	grey	0.14...6	32A	6 mm	500 V	42.56
58.504.5155.0	WT4D2/2	grey	0.14...6	32A	6 mm	500 V	49.46
58.504.7055.0	WT4E	grey	0.14...6	32A	6 mm	800 V	41.41
07.313.2955.0	APWT4D1/2	grey		end plate	for term.	WT4D1/2	10.94
07.313.3155.0	APWT4D2/2	grey		end plate	for term.	WT4D2/2	11.97
07.313.3355.0	APWT4E	grey		end plate for two-tier	for term.	WT4E	11.97
07.313.2855.0	TWWT4E	grey		partition for two tier	for term.	WT4E	13.58

**Disconnect terminal block** *hinged blade type*

58.503.2055.0	WT2.5TKM	grey	0.14...4	20A	5 mm	500 V	71.31
58.504.2055.0	WT4TKM	grey	0.14...6	24A	6 mm	500 V	75.91
07.313.2955.0	APWT4D1/2	grey		end plate	for term.	WT2.5/4TKM	10.94
07.313.2855.0	TWWT4E	grey		partition plate	for term.	WT2.5/4TKM	13.58

**Plug-in cross connectors (bridging bars)** *for WT and WTP terminal blocks*

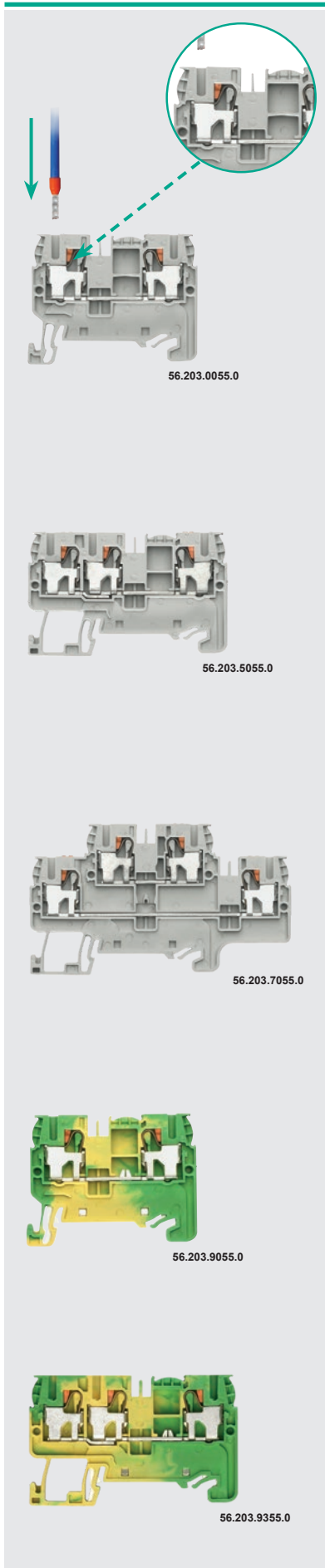
WT series terminals feature a two-row, plug-in jumpering channel, permitting variable potential distribution through use of a chain arrangement, providing a vibration-proof connection.

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		7.49
Z7.284.7127.0	IVBWTP1.5-3	3 pole	plug-in bridging bar	for term.	WTP1.5		14.15
Z7.284.7227.0	IVBWTP1.5-4	4 pole	plug-in bridging bar	for term.	WTP1.5		22.54
Z7.284.7327.0	IVBWTP1.5-5	5 pole	plug-in bridging bar	for term.	WTP1.5		30.02
Z7.280.6227.0	IVBWK2.5-2	2 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4		9.09
Z7.280.6327.0	IVBWK2.5-3	3 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4		17.03
Z7.280.6427.0	IVBWK2.5-4	4 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4		25.65
Z7.280.6527.0	IVBWK2.5-5	5 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4		34.28
Z7.280.7027.0	IVBWK2.5-10	10 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4		78.21
Z7.280.8027.0	IVBWK2.5-20	20 pole	plug-in bridging bar	for term.	WT2.5/P2.5/4		164.46
Z7.261.1227.0	IVBWK4-2	2 pole	plug-in bridging bar	for term.	WT4		9.55
Z7.261.1327.0	IVBWK4-3	3 pole	plug-in bridging bar	for term.	WT4		17.94
Z7.261.1427.0	IVBWK4-4	4 pole	plug-in bridging bar	for term.	WT4		18.18
Z7.261.1527.0	IVBWK4-5	5 pole	plug-in bridging bar	for term.	WT4		36.81
Z7.261.2027.0	IVBWK4-10	10 pole	plug-in bridging bar	for term.	WT4		82.81
Z7.282.5227.0	IVBWK6-2	2 pole	plug-in bridging bar	for term.	WT6/WTP6/10		18.41
Z7.282.5327.0	IVBWK6-3	3 pole	plug-in bridging bar	for term.	WT6/WTP6/10		28.29
Z7.282.5427.0	IVBWK6-4	4 pole	plug-in bridging bar	for term.	WT6/WTP6/10		42.56
Z7.282.5527.0	IVBWK6-5	5 pole	plug-in bridging bar	for term.	WT6/WTP6/10		55.21
Z7.283.8227.0	IVBWK10-2	2 pole	plug-in bridging bar	for term.	WT10		37.96

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)
- Designed for use in machinery and plant engineering, as well as power distribution for buildings.
- Connects a control cabinet quickly, reducing installation time and keeps inventory costs to a minimum.

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

<b>56.202.0055.0</b>	WTP1.5	0.14...1.5	17.5A	3.5 mm	1	1	500 V	<b>16.45</b>
<b>56.203.0055.0</b>	WTP2.5/4	0.2...4	30A	5 mm	1	1	800 V	<b>18.41</b>
<b>56.203.5055.0</b>	WTP2.5/4D1/2	0.2...4	32A	5 mm	1	2	800 V	<b>22.32</b>
<b>56.203.5155.0</b>	WTP2.5/4D2/2	0.2...4	32A	5 mm	2	2	800 V	<b>29.22</b>
<b>56.203.7055.0</b>	WTP2.5/4E	0.2...4	24A	5 mm	2	2	500 V	<b>44.86</b>
<b>56.206.0055.0</b>	WTP6/10	0.2...10	57A	8 mm	1	1	1000 V	<b>28.19</b>

**Feed-through terminals *blue push-in terminals***

<b>56.202.0055.6</b>	WTP1.5BL	0.14...1.5	17.5A	3.5 mm	1	1	500 V	<b>16.45</b>
<b>56.203.0055.6</b>	WTP2.5/4BL	0.2...4	30A	5 mm	1	1	800 V	<b>19.67</b>
<b>56.206.0055.6</b>	WTP6/10BL	0.2...10	57A	8 mm	1	1	1000 V	<b>35.66</b>

**Earth terminals *yellow/green***

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

<b>56.202.9055.0</b>	WTP1.5PE	0.14...1.5	17.5A	3.5 mm	1	1	500 V	<b>56.36</b>
<b>56.203.9055.0</b>	WTP2.5/4PE	0.2...4	32A	5 mm	1	1	800 V	<b>44.86</b>
<b>56.203.9355.0</b>	WTP2.5/4D1/2PE	0.2...4	32A	5 mm	1	2	800 V	<b>73.61</b>
<b>56.206.9055.0</b>	WTP6/10PE	0.2...10	57A	8 mm	1	1	1000 V	<b>87.41</b>

**End plates/partitions - For above WTP terminals**

<b>07.313.4455.0</b>	APWTP1.5			terminal insulated end plate for		WTP1.5		<b>7.71</b>
<b>07.312.6755.0</b>	APFN2.5			terminal insulated end plate for		WTP2.5/4		<b>9.09</b>
<b>07.312.6955.0</b>	APFN2.5D1/2			terminal insulated end plate for		WTP2.5/4D1/2		<b>10.36</b>
<b>07.312.7155.0</b>	APFN2.5D2/2			terminal insulated end plate for		WTP2.5/4D2/2		<b>11.62</b>
<b>07.312.7355.0</b>	APFN2.5E			terminal insulated end plate for		WTP2.5/4 E		<b>12.66</b>
<b>07.313.4155.0</b>	APWTP6/10			terminal insulated end plate for		WTP6/10		<b>12.19</b>
<b>07.312.6855.0</b>	TWFN2.5			terminal insulated partition plate for		WTP2.5/4		<b>9.43</b>
<b>07.312.7055.0</b>	TWFN2.5D1/2			terminal insulated partition plate for		WTP2.5/4D1/2		<b>10.36</b>
<b>07.312.7255.0</b>	TWFN2.5D2/2			terminal insulated partition plate for		WTP2.5/4D2/2		<b>11.62</b>
<b>07.312.7455.0</b>	TWFN2.5E			terminal insulated partition plate for		WTP2.5/4E		<b>12.66</b>
<b>07.313.4255.0</b>	TWWTP6/10			terminal insulated partition plate for		WTP6/10E		<b>12.19</b>

**Accessories for all Wieland terminals**

**End stops for all terminals**

<b>Z5.523.9353.0</b>	WEF1/35	"snap-on"		8 mm		terminal end stop		<b>15.76</b>
<b>Z5.523.9453.0</b>	WEF2/35	"snap-on"		5 mm		terminal end stop		<b>15.42</b>
<b>Z5.522.8553.0</b>	9708/2S35	"screw-on"		8 mm		terminal end stop		<b>9.67</b>
<b>Z5.523.5753.0</b>	WE 1/U	"screw-on"		10 mm		terminal end stop		<b>59.81</b>

**Test terminal**

<b>Z1.299.9753.0</b>	PSWKC/F	0.14...4		plug-in test terminal for		WT/WTP 2.5/4		<b>211.61</b>
<b>07.312.6053.0</b>	ZP/APPS	-		end plate for above test terminal		PS WKC/F		<b>104.66</b>

**Terminal markers for all Wieland terminals**

- Universal marking system
- Maximum hold to the terminal
- Marking strips ideal for service and maintenance

<b>41490/PS</b>	10 x 5 mm	self marking tag for use with Cembre printer		card of 56 pcs				<b>102.36</b>
<b>9704A/*B</b>		numeral marking tags - strip 10 similar markers	(25 x strips of 10pcs = 250 per pack)					<b>9.67</b>
<b>9704A/*GB</b>		alphabetical marking strips 10 similar markers	(25 x strips of 10pcs = 250 per pack)					<b>9.67</b>

\* Replace by: 1/2/3/4/5/6/7/8/9/0/+/- (example **9704A/5B**)

❖ **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**

<b>9705A/6</b>	marker adaptor	(increases marking area to 6 digits)				all terminals		<b>5.07</b>
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**Bridging bars - (plug-in cross connectors, see page L-1)**

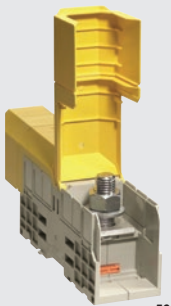
**DIN mounting rail, see page L-13**



57.510.0155.0



57.535.0155.0



56.135.1055.0 + 07.431.7053.8



57.504.9055.0



57.910.5055.0



57.904.5355.0



Z5.522.8553.0

**WK series - Terminal blocks - with screw connection technology**

- Universal marking system
- Reliable and maintenance-free
- Multi-tier blocks in two- and three-tier designs
- Approvals: SEV / ASEV / RINA / VDE / UL / CSA
- Conformity: IEC60947-7-1 / IEC60685-2-2 / IEC60685-1 / CEI222223-20/21 / VDE0611/ CSA C22.2 / UL1059

type	model	wire size mm <sup>2</sup>	amperage IEC 947-7-1	terminal width		maximum voltage	price
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**Through terminals blocks** *universal EN50022 (DIN 35) and EN50035 (G rail)*

57.503.0055.0	WK2.5/U	0.5...2.5	26A	5 mm	–	1000 V	13.69
57.504.0055.0	WK4/U	0.5...4	35A	6 mm	–	1000 V	14.61
57.506.0055.0	WK6/U	0.5...6	46A	8 mm	–	1000 V	23.23
57.510.0155.0	WKN10/U	2.5...10	63A	10 mm	–	1000 V	37.96
57.516.0155.0	WKN16/U	4...16	85A	12 mm	–	1000 V	50.61
57.535.0155.0*	WKN35/U	10...35	125A	16 mm	–	1000 V	70.16
57.570.0155.0*	WKN70/U	10...70	192A	24 mm	–	1000 V	474.97

**Stud terminal blocks** *bolt to bolt through terminal*

56.135.1055.0	WRT35/M6	2.5...50	125A	27 mm	M6	1000 V	248.41
56.170.1055.0	WRT70	2.5...95	192A	32 mm	M8	1000 V	345.02
56.197.1055.0	WRT120	6...150	269A	42 mm	M10	1000 V	423.22
56.198.1055.0	WRT185	10...240	353A	55 mm	M12	1000 V	612.97
56.199.1055.0	WRT300	25...240	520A	55 mm	M16	1000 V	731.43

**End plates/partitions - for above terminals**

07.311.0155.0	AP2.5-4		terminal end plates	for term.	WK2.5/4	8.52
07.311.0255.0	AP6		terminal end plates	for term.	WK6	9.67
07.311.6655.0	APN10		terminal end plates	for term.	WK10	11.28
07.311.6755.0	APN16		terminal end plates	for term.	WK16	16.33
07.431.7053.8	ADWRT35		terminal cover (2 req. per terminal)	for term.	WRT35	37.96
07.431.7153.8	ADWRT70		terminal cover (2 req. per terminal)	for term.	WRT70	43.71
07.431.7253.8	ADWRT120		terminal cover (2 req. per terminal)	for term.	WRT120	55.21
07.431.7353.8	ADWRT185/300		terminal cover (2 req. per terminal)	for term.	WRT185/300	75.91
07.311.1155.0	TW2.5-4		terminal end plate/partition	for term.	WK2.5/4	11.51
07.311.1255.0	TW6		terminal end plate/partition	for term.	WK6	11.85
07.311.7655.0	TWN10		terminal end plate/partition	for term.	WK10	12.88
07.311.7755.0	TWN16		terminal end plate/partition	for term.	WK16	17.94

**Earth terminal blocks** *yellow/green screw-on earth terminals*

57.504.9055.0*	WK4SL/U	0.5...4	–	6 mm	–	1000 V	63.26
57.506.9055.0*	WK6SL/U	0.5...6	–	8 mm	–	1000 V	79.36
57.510.9055.0*	WKN10SL/U	2.5...10	–	10 mm	–	1000 V	98.91
57.516.9055.0*	WKN16SL/U	4...16	–	12 mm	–	1000 V	125.36
57.535.9055.0*	WKN35SL/U	10...35	–	16 mm	–	1000 V	250.71

**Multi-tier terminal blocks**

57.403.7055.0	WKN2.5E/U	0.14...2.5	24A	5 mm	2 tier	500 V	70.16
07.312.1755.0	APN2.5E		terminal end plate for above	for term.	WK2.5E/U	15.18	
57.503.8855.0*	WK2.5-3D/U	0.5...2.5	24A	6 mm	3 tier	400 V	141.46
57.503.7855.0*	WK2.5-4KI/U	0.5...2.5	24A	6 mm	3 tier (sensor)	250 V	82.81

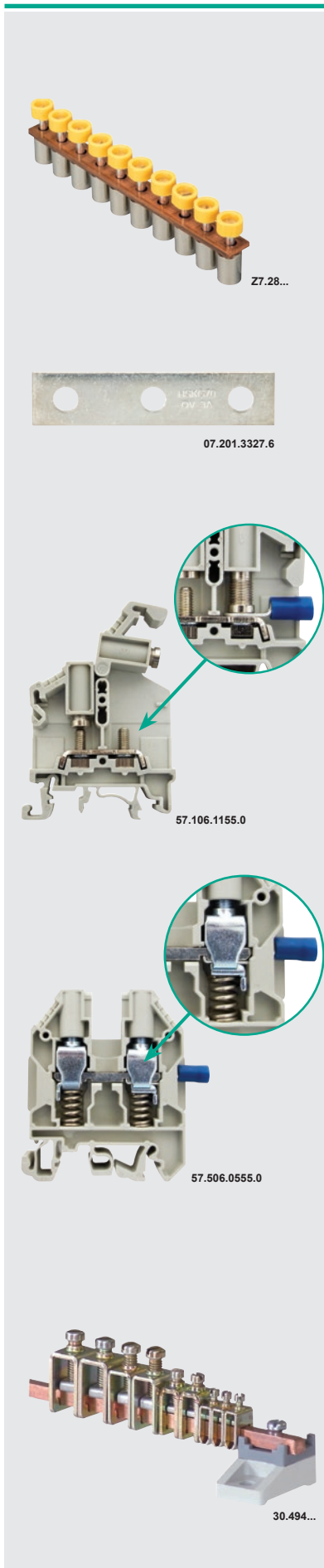
**Fuse terminal blocks** *accepts 20 x 5 mm fuses*

<ul style="list-style-type: none"> <li>• Integrated lever-action fuse block with screw connection for mounting on DIN rail</li> <li>• The standard block has a storage location for a replacement fuse.</li> </ul>							
57.904.5355.0*	WK4/THSI5/U	0.5...4	6.3A	8 mm		800 V	85.11
57.910.5055.0	WK10/SI/U	1...10	10A	12 mm		500 V	138.01
07.311.4155.0	AP10/SI		terminal end plate for above	for term.	WK10/SI/U	12.54	

**End stops for all terminals**

Z5.523.9353.0	WEF1/35	screwless	rail mount	8 mm	"snap-on" term. end stop	15.76
Z5.523.9453.0	WEF2/35	screwless	rail mount	5 mm	"snap-on" term. end stop	15.42
Z5.522.8553.0	9708/2S35	screw mnt	rail mount	8 mm	"screw-on" term. end stop	9.67
Z5.523.5753.0	WE1/U	screw mnt	rail mount	10 mm	"screw-on" term. end stop	59.81

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



**Bridging bars screw-in type for WK series terminals**

type	model	wire size mm <sup>2</sup>	no. ways	description	for terminal	price
Z7.280.0027.0	VBWK2.5M	2.5	80 way	bridging bar for terminal	WK2.5/U	560.07
Z7.281.0027.0	VBWK4M	4	70 way	bridging bar for terminal	WK4/U	497.97
Z7.282.0027.0	VBWK6M	6	40 way	bridging bar for terminal	WK6/U	461.17
Z7.283.6027.0	VBWKN10M	10	40 way	bridging bar for terminal	WKN10/U	615.27
Z7.284.2027.0	VBWKN16M	16	30 way	bridging bar for terminal	WKN16/U	1 014.34
Z7.285.2027.0	VBWKN35M	35	20 way	bridging bar for terminal	WKN35/U	897.03

**Jumper bars screw-in type for WK series terminals**

type	model	wire size mm <sup>2</sup>	no. ways	description	for terminal	price
07.201.1227.6	VBWRT35-2	35	2 way	jumper bar for terminal	WRT35	55.21
07.201.1327.6	VBWRT35-3	35	3 way	jumper bar for terminal	WRT35	74.76
07.201.3227.6	VBWRT70-2	70	2 way	jumper bar for terminal	WRT70	79.36
07.201.3327.6	VBWRT70-3	70	3 way	jumper bar for terminal	WRT70	67.86
07.201.5227.6	VBWRT120-2	120	2 way	jumper bar for terminal	WRT120	159.86
07.201.5327.6	VBWRT120-3	120	3 way	jumper bar for terminal	WRT120	200.11
07.201.7227.6	VBWRT185-2	185	2 way	jumper bar for terminal	WRT185	152.96
07.201.7327.6	VBWRT185-3	185	3 way	jumper bar for terminal	WRT185	213.91
07.201.9227.6	VBWRT300-2	300	2 way	jumper bar for terminal	WRT300	177.11
07.201.9327.6	VBWRT300-3	300	3 way	jumper bar for terminal	WRT300	284.06

**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

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

57.106.1155.0	WRT6	1.5...6	41A	11 mm	1000V	108.11
07.300.6955.0	APRT6	end plate for above terminal			for term. WRT6	16.33

**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	42.56
57.510.0555.0	WKN10SF	2.5...10	57A	10 mm	800 V	49.46
07.313.2355.0	APN6SF	end plate for above terminal			for term. WKN 6 SF	9.67
07.313.2455.0	APN10SF	end plate for above terminal			for term. WKN 10 SF	11.62

**WAK busbar termination (earth/neutral)**

**Busbar (1 meter length)**

GI06006.1	6 x 6 mm	120A	1 met.	busbar for WAK terminals	236.91
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**Busbar support**

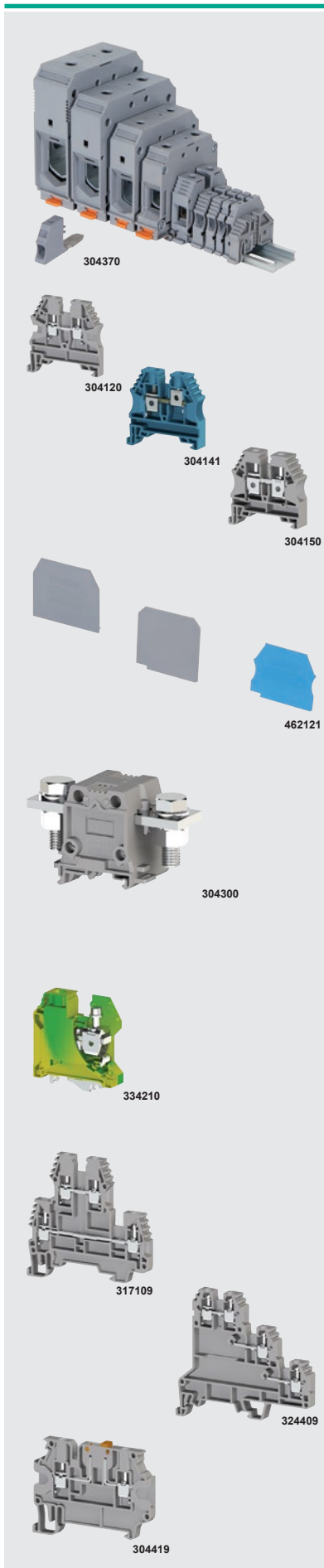
19.230.0040.0	KSO11/1ZKR	support	busbar support for 6 x 6 mm bars	50.61
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**Terminals - slide-on - earth or neutral**

- Steel - zinc plated (galvanised)

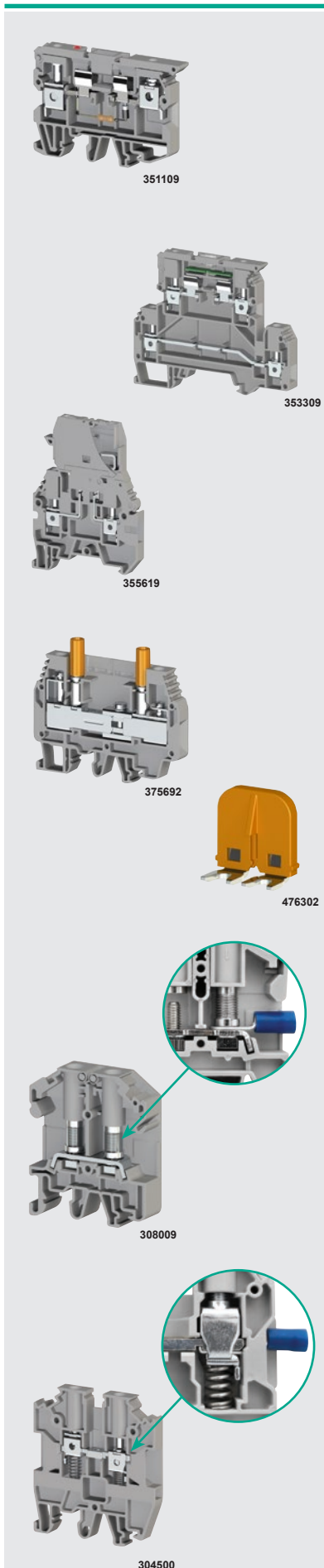
30.494.0010.0	AK4/1	0.5...4	41A	clamp terminal for 6 x 6 mm busbar	9.32
30.494.1010.0	AK16/1	1...16	76A	clamp terminal for 6 x 6 mm busbar	13.34
30.494.1110.0	AK25/3	2.5...25	41A	clamp terminal for 6 x 6 mm busbar	30.83
30.494.2510.0	AK35/3	2.5...35	125A	clamp terminal for 6 x 6 mm busbar	33.70

DIN mounting rail, see page L-13



**AVK series - Screw clamp terminals**

type	wire size (mm <sup>2</sup> )	amperage EN60947-7-1	terminal width		description	price
<b>Standard feed through terminals</b>						
304120	2.5 mm	24A	5 mm	grey	rail mount screw clamp terminal	7.02
304130	4 mm	32A	6 mm	grey	rail mount screw clamp terminal	7.94
304140	6 mm	41A	8 mm	grey	rail mount screw clamp terminal	13.81
304150	10 mm	57A	10 mm	grey	rail mount screw clamp terminal	18.41
304121	2.5 mm	24A	5 mm	blue	rail mount screw clamp terminal	7.02
304131	4 mm	32A	6 mm	blue	rail mount screw clamp terminal	7.94
304141	6 mm	41A	8 mm	blue	rail mount screw clamp terminal	13.81
304151	10 mm	57A	10 mm	blue	rail mount screw clamp terminal	18.41
304240	16 mm	76A	12 mm	grey	rail mount screw clamp terminal	31.74
304290	25 mm	101A	12 mm	grey	rail mount screw clamp terminal	52.91
304250*	35 mm	125A	16 mm	grey	rail mount screw clamp terminal	60.96
304330*	50 mm	150A	20 mm	grey	rail mount screw clamp terminal	149.51
304340*	95 mm	232A	25 mm	grey	rail mount screw clamp terminal	278.31
304350*	150 mm	309A	31 mm	grey	rail mount screw clamp terminal	385.27
304360*	240 mm	415A	36 mm	grey	rail mount screw clamp terminal	517.52
* Fully insulated (no end plate required)						
304370	6 mm	41A	8 mm		plug-in auxiliary term. for 304 340/50/60	26.34
<b>End plates for above terminals</b>						
444120	end plate	2.5 - 10	1.5 mm	grey	for 2.5-4-6-10 mm terminals	4.61
444121	end plate	2.5 - 10	1.5 mm	blue	for 2.5-4-6-10 mm terminals	4.61
444170	end plate	16 mm	1.5 mm	grey	for 16 mm terminals	7.25
450250	end plate	25 mm	1.5 mm	grey	for 25 mm terminals	7.94
462120	partition	2.5 - 10	1.5 mm	grey	for 2.5-4-6-10 mm terminals	5.41
462121	partition	2.5 - 10	1.5 mm	blue	for 2.5-4-6-10 mm terminals	5.41
462170	partition	16 mm	1.5 mm	grey	for 16 mm terminals	11.16
<b>Stud terminals (bolt and nut termination top and bottom)</b>						
304300	95 mm	232A	40 mm	grey	rail mount stud terminal	235.76
304310	150 mm	309A	48 mm	grey	rail mount stud terminal	366.87
304320	240 mm	415A	53 mm	grey	rail mount stud terminal	524.42
<b>Covers for above stud terminals</b>						
466100	cover	-			hinged isolation cover for stud terminal 304 300	36.81
466110	cover	-			hinged isolation cover for stud terminal 304 310	46.01
466120	cover	-			hinged isolation cover for stud terminal 304 320	55.21
<b>Earth terminals - (fully insulated no end cover required)</b>						
334170	2.5 mm	-	5 mm	grn/yell	rail mount earth terminal	32.79
334450	4 mm	-	6 mm	grn/yell	rail mount earth terminal	42.56
334460	6 mm	-	8 mm	grn/yell	rail mount earth terminal	43.71
334470	10 mm	-	10 mm	grn/yell	rail mount earth terminal	48.31
334200	16 mm	-	12 mm	grn/yell	rail mount earth terminal	116.16
334210	35 mm	-	16 mm	grn/yell	rail mount earth terminal	92.01
334190	50 mm	-	20 mm	grn/yell	rail mount earth terminal	293.26
<b>Multi-tier terminals (PIK/PUK)</b>						
317109	2.5 mm	24A	5 mm	two tier	rail mount terminal	20.71
319109	4 mm	32A	6 mm	two tier	rail mount terminal	27.49
324109	2.5 mm	24A	6 mm	three tier	rail mount terminal	41.41
324409	2.5 mm	24A	6 mm	three tier	sensor terminal	41.41
449019	end plate	2.5/4 mm	1.5 mm		for 2.5/4 mm 2 tier terminal 317/9109	13.00
450139	end plate	2.5 mm	1.5 mm		for 2.5 mm 3 tier terminal 324109	6.79
450169	end plate	2.5 mm	1.5 mm		for 2.5 mm sensor terminal 324409	8.98
<b>Disconnect terminals (AVK)</b>						
304419*	2.5 mm	16A	5 mm	grey	rail mounting disconnect terminal	29.10
304380*	4 mm	20A	6 mm	grey	rail mounting disconnect terminal	30.02
450330	end plate	2.5/4 mm	1.5 mm		for above disconnect terminals 304419/380	6.91
* 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...9						
DIN mounting rail, see page L-13						



**AVK series - Screw clamp terminals**

type	wire size (mm <sup>2</sup> )	amperage EN60947-7-1	terminal width	description	price
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**Fuse terminals (AVK) - accept 5 x 20 mm fuses**

**Low profile fused terminal - for 5 x 20 mm fuses**

<b>351109</b>	6 mm	6.3A	8 mm	low profile fused terminal	–	<b>25.65</b>
<b>351229</b>	6 mm	6.3A	8 mm	fused term. LED indication	24V DC	<b>52.91</b>
<b>351619</b>	6 mm	6.3A	8 mm	fused term. LED indication	220V AC	<b>52.91</b>

**450049** end plate – 1.5 mm for above 351 ... fused terminals **9.32**

**Fused terminal with pluggable fuse section (supports spare fuse)**

<b>355109*</b>	4 mm	10A	6.2 mm	plug-in fuse terminal	–	<b>47.16</b>
<b>355229*</b>	4 mm	10A	6.2 mm	fused term. LED indication	24V DC	<b>73.61</b>
<b>355619*</b>	4 mm	10A	6.2 mm	fused term. LED indication	220V AC	<b>73.61</b>

**450059** end plate – 1.5 mm for above 355 ... fused terminals **8.52**

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

<b>353309*</b>	4 mm	6.3A	8 mm	two tier (one fused)		<b>70.16</b>
<b>353329*</b>	4 mm	6.3A	8 mm	fused term. LED indication	24V DC	<b>116.16</b>

**450209** end plate – 1.5 mm for above 353 ... fused terminals **16.33**

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

**Comb bridging bars (cross-connection) for above 355/353 series terminals**

type	ref.	poles	for term. width	description	price
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**476282** TKO6/2 2 pole 8 mm comb bridge for std screw terminal 304 140 **14.15**

**476283** TKO6/3 3 pole 8 mm comb bridge for std screw terminal 304 140 **17.26**

\* 355/353--- terminals accept plug-in bridge pieces (2/3/4/10 way) for more options, 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

<b>375690</b>	6 mm	41A	8 mm	terminal without test socket		<b>74.76</b>
<b>375691</b>	6 mm	41A	8 mm	terminal with test socket		<b>87.41</b>
<b>375692</b>	6 mm	41A	8 mm	terminal with double test socket		<b>101.21</b>

**476302** 2 pole sliding bridge/cross connector for above test terminals **8.40**

**476303** 3 pole sliding bridge/cross connector for above test terminals **14.73**

**476304** 4 pole sliding bridge/cross connector for above test terminals **17.94**

**450229** end plate – for above test terminals 375690/1/2 **8.28**

**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 **67.86**

**451019** end plate – for above bolt connection terminal 308009 **5.19**

**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 **27.95**

**304510** 0.5...10 41A 8 mm spring assisted terminal block **29.34**

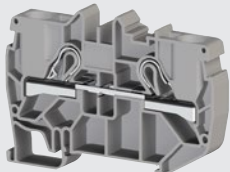
**304520** 0.5...16 57A 10 mm spring assisted terminal block **30.13**

**450300** end plate – for above spring assisted terminal 304500/10 **5.41**

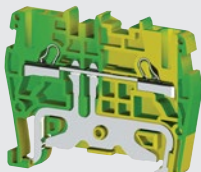
**450260** end plate – for above spring assisted terminal 304520 **5.41**

Terminal accessories, see page L-8...9

DIN mounting rail, see page L-13



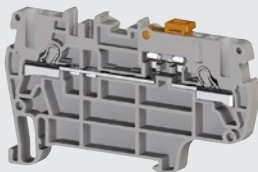
307139



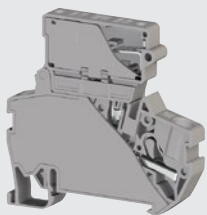
336500



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 <sup>2</sup> )	amperage EN60947-7-1	terminal width	description		price
<b>Feed through terminals (PYK)</b>						
307019	1.5 mm	17.5A	4.2 mm	rail mount spring clamp terminal		12.19
307109	2.5 mm	24A	5 mm	rail mount spring clamp terminal		12.77
307119	4 mm	32A	6 mm	rail mount spring clamp terminal		14.03
307129	6 mm	41A	8 mm	rail mount spring clamp terminal		28.87
307139	10 mm	57A	10 mm	rail mount spring clamp terminal		40.26
446639	end plate	–	1.2 mm	for 1.5 mm terminal	307019	2.77
446449	end plate	–	1.2 mm	for 2.5 mm terminal	307109	4.95
446459	end plate	–	1.2 mm	for 4.0 mm terminal	307119	5.29
446469	end plate	–	1.2 mm	for 6.0 mm terminal	307129	6.10
446479	end plate	–	1.2 mm	for 10.0 mm terminal	307139	7.25
<b>Earth terminals - yellow/green screw-less, clip-on earth terminals</b>						
336500	2.5 mm	24A	5 mm	rail mount spring clamp earth terminal		35.66
336510	4 mm	32A	6 mm	rail mount spring clamp earth terminal		47.16
336520	6 mm	41A	8 mm	rail mount spring clamp earth terminal		62.11
336530	10 mm	57A	10 mm	rail mount spring clamp earth terminal		101.21
446442	end plate	–	1.2 mm	for 2.5 mm earth terminal	336500	4.95
446452	end plate	–	1.2 mm	for 4.0 mm earth terminal	336510	5.29
446462	end plate	–	1.2 mm	for 6.0 mm earth terminal	336520	6.10
446472	end plate	–	1.2 mm	for 10.0 mm earth terminal	336530	7.25
<b>Multi-tier terminals</b>						
307179	2.5mm	24A	5 mm	two tier	spring clamp terminal	37.96
307199	2.5mm	24A	5 mm	three tier	spring clamp terminal	52.91
446519	end plate	–	1.2 mm	for 2.5 mm 2 tier terminal	307179	6.22
446529	end plate	–	1.2 mm	for 2.5 mm 3 tier terminal	307199	7.02
<b>Disconnect terminals</b>						
307169	2.5 mm	20A	5 mm	rail mount disconnect terminal		43.71
446509	end plate	–	1.2 mm	for disconnect terminal	307169	14.84
<b>Fuse terminals - for 5 x 20 mm fuses fully insulated - no end plate required</b>						
307249	2.5 mm	10A	8 mm	rail mount fused terminal		73.61
307259	2.5 mm	10A	8 mm	fused term. LED indication	24 VDC	140.31
307269	2.5 mm	10A	8 mm	fused term. LED indication	220 VAC	140.31
<b>PYK test terminal (plug-in) plugs into standard PYK range terminals</b>						
498559	1.5 mm	plug-in test terminal		(provides an additional terminal outlet)		44.86
<b>Cross connectors (plug-in bridging bars)</b>						
476602	UK1.5/2	2 pole	4.2 mm	plug-in bridge piece for terminals		14.61
476603	UK1.5/3	3 pole	4.2 mm	plug-in bridge piece for terminals		19.67
476604	UK1.5/4	4 pole	4.2 mm	plug-in bridge piece for terminals		24.38
476609	UK1.5/10	10 pole	4.2 mm	plug-in bridge piece for terminals		86.26
476222	UK2.5/2	2 pole	5 mm	plug-in bridge piece for terminals		15.30
476223	UK2.5/3	3 pole	5 mm	plug-in bridge piece for terminals		16.91
476224	UK2.5/4	4 pole	5 mm	plug-in bridge piece for terminals		17.94
476229	UK2.5/10	10 pole	5 mm	plug-in bridge piece for terminals		32.32
476232	UK4/2	2 pole	6 mm	plug-in bridge piece for terminals		15.88
476233	UK4/3	3 pole	6 mm	plug-in bridge piece for terminals		17.84
476234	UK4/4	4 pole	6 mm	plug-in bridge piece for terminals		19.33
476239	UK4/10	10 pole	6 mm	plug-in bridge piece for terminals		36.81
476242	UK6/2	2 pole	8 mm	plug-in bridge piece for terminals		16.91
476243	UK6/3	3 pole	8 mm	plug-in bridge piece for terminals		20.02
476244	UK6/4	4 pole	8 mm	plug-in bridge piece for terminals		22.32
476249	UK6/10	10 pole	8 mm	plug-in bridge piece for terminals		41.41
476252	UK10/2	2 pole	10 mm	plug-in bridge piece for terminals		23.12
476253	UK10/3	3 pole	10 mm	plug-in bridge piece for terminals		28.64
476254	UK10/4	4 pole	10 mm	plug-in bridge piece for terminals		33.58
476259	UK10/10	10 pole	10 mm	plug-in bridge piece for terminals		71.31

DIN mounting rail, see page L-13



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

type	ref.	poles	for term. width	description		price
<b>Screw-in bridging bars (internal) for 2.5 - 240 mm terminals</b>						
474122	UK2.5/2	2 pole	5 mm	bridge piece for std + 2 tier terminal	304 120	15.42
474123	UK2.5/3	3 pole	5 mm	bridge piece for std + 2 tier terminal	304 120	20.71
474124	UK2.5/4	4 pole	5 mm	bridge piece for std + 2 tier terminal	304 120	25.65
474129	UK2.5/10	10 pole	5 mm	bridge piece for std + 2 tier terminal	304 120	90.86
474210	UK2.5/50	50 pole	5 mm	bridge piece for std + 2 tier terminal	304 120	239.21
474132	UK4/2	2 pole	6 mm	bridge piece for std + 2 tier terminal	304 130	14.39
474133	UK4/3	3 pole	6 mm	bridge piece for std + 2 tier terminal	304 130	20.36
474134	UK4/4	4 pole	6 mm	bridge piece for std + 2 tier terminal	304 130	26.34
474139	UK4/10	10 pole	6 mm	bridge piece for std + 2 tier terminal	304 130	65.56
474190	UK4/50	50 pole	6 mm	bridge piece for std + 2 tier terminal	304 130	310.51
480132	UK2.5/2	2 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109	21.29
480133	UK2.5/3	3 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109	32.55
480134	UK2.5/4	4 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109	40.26
480139	UK2.5/10	10 pole	6 mm	screw-in bridge piece for 3 tier terminal	324 109	101.21
474142	UK6/2	2 pole	8 mm	screw-in bridge piece for terminals	304 140	14.84
474143	UK6/3	3 pole	8 mm	screw-in bridge piece for terminals	304 140	21.17
474144	UK6/4	4 pole	8 mm	screw-in bridge piece for terminals	304 140	27.38
474149	UK6/10	10 pole	8 mm	screw-in bridge piece for terminals	304 140	65.56
474152	UK10/2	2 pole	10 mm	screw-in bridge piece for terminals	304 150	15.18
474153	UK10/3	3 pole	10 mm	screw-in bridge piece for terminals	304 150	21.63
474154	UK10/4	4 pole	10 mm	screw-in bridge piece for terminals	304 150	27.95
474159	UK10/10	10 pole	10 mm	screw-in bridge piece for terminals	304 150	66.71
474162	UK16/2	2 pole	12 mm	screw-in bridge piece for terminals	304 160	19.67
474163	UK16/3	3 pole	12 mm	screw-in bridge piece for terminals	304 160	28.41
474164	UK16/4	4 pole	12 mm	screw-in bridge piece for terminals	304 160	37.96
474169	UK16/10	10 pole	12 mm	screw-in bridge piece for terminals	304 160	89.71
474172	UK35/2	2 pole	16 mm	screw-in bridge piece for terminals	304 240	30.02
474173	UK35/3	3 pole	16 mm	screw-in bridge piece for terminals	304 240	44.86
474174	UK35/4	4 pole	16 mm	screw-in bridge piece for terminals	304 240	57.51
474179	UK35/10	10 pole	16 mm	screw-in bridge piece for terminals	304 240	139.16
478332	UK50/2	2 pole	20 mm	screw-in bridge piece for terminals	304 330	36.81
478333	UK50/3	3 pole	20 mm	screw-in bridge piece for terminals	304 330	56.36
478334	UK50/4	4 pole	20 mm	screw-in bridge piece for terminals	304 330	74.76
478342	UK95/2	2 pole	25mm	screw-in bridge piece for terminals	304 340	171.36
478343	UK95/3	3 pole	25mm	screw-in bridge piece for terminals	304 340	225.41
478344	UK95/4	4 pole	25mm	screw-in bridge piece for terminals	304 340	279.46
478352	UK150/2	2 pole	31 mm	screw-in bridge piece for terminals	304 350	251.86
478353	UK150/3	3 pole	31 mm	screw-in bridge piece for terminals	304 350	364.57
478354	UK150/4	4 pole	31 mm	screw-in bridge piece for terminals	304 350	457.72
478362	UK240/2	2 pole	36 mm	screw-in bridge piece for terminals	304 360	380.67
478363	UK240/3	3 pole	36 mm	screw-in bridge piece for terminals	304 360	561.22
478364	UK240/4	4 pole	36 mm	screw-in bridge piece for terminals	304 360	740.63

## Comb type bridge pieces (external)

476262	TKO2.5/2	2 pole	5 mm	comb bridge for std screw terminal	304 200	14.03
476263	TKO2.5/3	3 pole	5 mm	comb bridge for std screw terminal	304 200	14.96
476264	TKO2.5/4	4 pole	5 mm	comb bridge for std screw terminal	304 200	15.42
476269	TKO2.5/10	10 pole	5 mm	comb bridge for std screw terminal	304 200	26.34
476272	TKO4/2	2 pole	6 mm	comb bridge for std screw terminal	304 210	14.49
476273	TKO4/3	3 pole	6 mm	comb bridge for std screw terminal	304 210	15.64
476274	TKO4/4	4 pole	6 mm	comb bridge for std screw terminal	304 210	16.57
476279	TKO4/10	10 pole	6 mm	comb bridge for std screw terminal	304 210	28.64
476282	TKO6/2	2 pole	8 mm	comb bridge for std screw terminal	304 140	14.15
476283	TKO6/3	3 pole	8 mm	comb bridge for std screw terminal	304 140	17.26
476284	TKO6/4	4 pole	8 mm	comb bridge for std screw terminal	304 140	18.87
476289	TKO6/10	10 pole	8 mm	comb bridge for std screw terminal	304 140	34.39
476292	TKO10/2	2 pole	10 mm	comb bridge for std screw terminal	304 150	17.37
476293	TKO10/3	3 pole	10 mm	comb bridge for std screw terminal	304 150	20.02
476294	TKO10/4	4 pole	10 mm	comb bridge for std screw terminal	304 150	22.32
476299	TKO10/10	10 pole	10 mm	comb bridge for std screw terminal	304 150	43.71



type	wire size (mm <sup>2</sup> )	ampereage EN60947-7-1	term. width	description	price
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**End stops for all terminals**

<b>495049</b>	end stop	screw type	7.5 mm	economical screw type terminal rail end stop	<b>5.53</b>
<b>495059*</b>	end stop	screwless	7.5 mm	clamp-on terminal rail end stop	<b>7.83</b>
<b>495219*</b>	end stop	screw type	7.5 mm	heavy duty screw type terminal rail end stop	<b>15.18</b>
<b>495099*</b>	end stop	screw type	7.5 mm	large HD 50 - 240 mm terminal rail end stop	<b>17.84</b>

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

**Modular group marking**

- Screw-type end bracket mounted 7.5mm DIN-rail
- Can be used together with screw connection feed-through one level terminals

<b>49613A</b>	support	group marking support for all * terminal end stops (W) 6 mm			<b>12.43</b>
<b>496300</b>	support	group marking support for terminal end stop <b>495219</b> (W) 7 mm			<b>6.44</b>
<b>496310</b>	support	DIN rail mounting group marking support (W) 7 mm			<b>7.13</b>

**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 mm<sup>2</sup> cables

- Cross section: 4 ...35mm<sup>2</sup>
- Busbar size: 10 x 3 mm
- Fixing screw: **M3** (0.5 - 4 mm<sup>2</sup>)  
**M4** (2.5 - 10 mm<sup>2</sup>)  
**M5** (16 - 35 mm<sup>2</sup>)

type	cable size mm <sup>2</sup>	insulation	description	price
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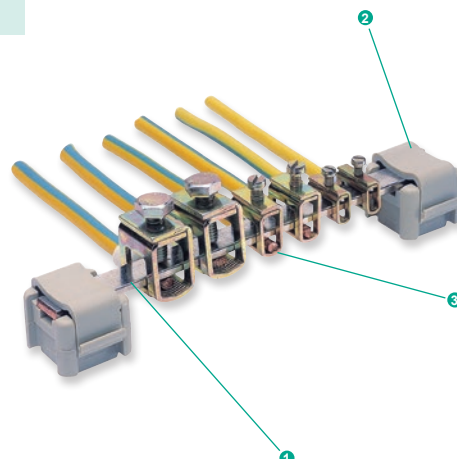
<b>525361</b>	0.5 - 4	clamp	bar mount clamping yoke BK4	<b>3.23</b>
<b>525362</b>	2.5 - 10	clamp	bar mount clamping yoke BK10	<b>5.53</b>
<b>525363</b>	16 - 35	clamp	bar mount clamping yoke BK35	<b>15.30</b>
<b>525371</b>	0.5 - 4	clamp	bar mount clamping yoke IBK4	<b>3.68</b>
<b>525372</b>	2.5 - 10	clamp	bar mount clamping yoke IBK10	<b>6.91</b>
<b>525373</b>	16 - 35	clamp	bar mount clamping yoke IBK35	<b>16.91</b>
<b>525381</b>	0.5 - 4	clamp	bar mount clamping yoke IBK4	<b>3.68</b>
<b>525382</b>	2.5 - 10	clamp	bar mount clamping yoke IBK10	<b>6.91</b>
<b>525383</b>	16 - 35	clamp	bar mount clamping yoke IBK35	<b>16.91</b>

**Accessories for above clamping yokes**

<b>GI03010.1</b>	10 x 3 mm	Cu flat copper bar for above clamping yokes	1 meter	<b>258.76</b>
<b>528110</b>	screw	universal support for single bars (10 x 3/6 x 6/15 x 3 mm)		<b>11.51</b>
<b>495109</b>	rail mnt	DIN universal support for up to three bars (10 x 3/6 x 6 mm)		<b>21.74</b>

The above clamping yokes can be slid onto the 10 x 3 busbar up to 50 mm<sup>2</sup> and the entire wiring matched to the installation.

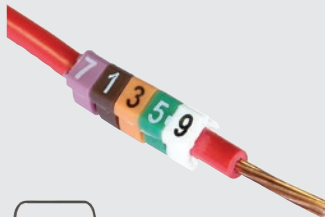
Below example of a complete clamping yoke.  
**1. GI03010.1**  
**2. 528110**  
**3. 52536...**





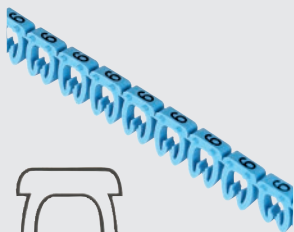
0.75 .....1.5 mm<sup>2</sup>

All other symbols



1.50 .....2.5 mm<sup>2</sup>

WM.....



4 .....6 mm<sup>2</sup>

519006

**Wire markers (0.5 mm<sup>2</sup> - 6 mm<sup>2</sup>)**

- 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 <sup>2</sup>	description	qty per pack	price per pack
<b>WM01 marker for cables</b>						
• Cross-section: 0.5 mm <sup>2</sup> - 1.5 mm <sup>2</sup>						
517000	"0"	black	0.5-1.5	clip-on cable marker	500	151.81
517001	"1"	brown	0.5-1.5	clip-on cable marker	500	151.81
517002	"2"	red	0.5-1.5	clip-on cable marker	500	151.81
517003	"3"	orange	0.5-1.5	clip-on cable marker	500	151.81
517004	"4"	yellow	0.5-1.5	clip-on cable marker	500	151.81
517005	"5"	green	0.5-1.5	clip-on cable marker	500	151.81
517006	"6"	blue	0.5-1.5	clip-on cable marker	500	151.81
517007	"7"	purple	0.5-1.5	clip-on cable marker	500	151.81
517008	"8"	grey	0.5-1.5	clip-on cable marker	500	151.81
517009	"9"	white	0.5-1.5	clip-on cable marker	500	151.81
519514/_*	/_*	yellow	0.5-1.5	clip-on cable marker	200	60.96

/\_\* Insert marking requirement A,B,C...Z/+/-/■/▲/ or other) Example 519514/A

**WM02 marker for cables**

- Cross-section 1.5 mm<sup>2</sup> - 2.5 mm<sup>2</sup>

518000	"0"	black	1.5-2.5	clip-on cable marker	500	178.26
518001	"1"	brown	1.5-2.5	clip-on cable marker	500	178.26
518002	"2"	red	1.5-2.5	clip-on cable marker	500	178.26
518003	"3"	orange	1.5-2.5	clip-on cable marker	500	178.26
518004	"4"	yellow	1.5-2.5	clip-on cable marker	500	178.26
518005	"5"	green	1.5-2.5	clip-on cable marker	500	178.26
518006	"6"	blue	1.5-2.5	clip-on cable marker	500	178.26
518007	"7"	purple	1.5-2.5	clip-on cable marker	500	178.26
518008	"8"	grey	1.5-2.5	clip-on cable marker	500	178.26
518009	"9"	white	1.5-2.5	clip-on cable marker	500	178.26
519524/_*	/_*	yellow	1.5-2.5	clip-on cable marker	200	71.31

/\_\* Insert marking requirement A,B,C...Z/+/-/■/▲/ or other) Example 519524/Z

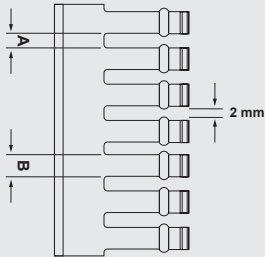
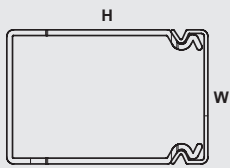
**WM03 marker for cables**

- Cross-section 4 mm<sup>2</sup> - 6 mm<sup>2</sup>

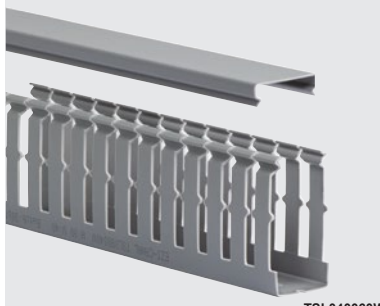
519000	"0"	black	4.0...6.0	clip-on cable marker	500	201.26
519001	"1"	brown	4.0...6.0	clip-on cable marker	500	201.26
519002	"2"	red	4.0...6.0	clip-on cable marker	500	201.26
519003	"3"	orange	4.0...6.0	clip-on cable marker	500	201.26
519004	"4"	yellow	4.0...6.0	clip-on cable marker	500	201.26
519005	"5"	green	4.0...6.0	clip-on cable marker	500	201.26
519006	"6"	blue	4.0...6.0	clip-on cable marker	500	201.26
519007	"7"	purple	4.0...6.0	clip-on cable marker	500	201.26
519008	"8"	grey	4.0...6.0	clip-on cable marker	500	201.26
519009	"9"	white	4.0...6.0	clip-on cable marker	500	201.26
519534/_*	/_*	yellow	4.0...6.0	clip-on cable marker	200	80.51

/\_\* Insert marking requirement A,B,C...Z/+/-/■/▲/ or other) Example 519534/+

Open Type					
Numbers	WM01	WM02	WM03	Qty.	Colour
0				500	Black
1				500	Brown
2				500	Red
3				500	Orange
4				500	Yellow
5				500	Green
6				500	Blue
7				500	Purple
8				500	Grey
9				500	White



TSL025060N



TSL040060W



VTC125

**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)	price each
<b>Narrow slotted trunking</b>					<b>Finger: 6 mm / Slot - 4 mm</b>		<b>(10 mm pitch)</b>	
• 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	<b>60.96</b>
TSL025025N	25	25	grey	PVC slotted cable trunking	4	6	48	<b>77.06</b>
TSL025040N	25	40	grey	PVC slotted cable trunking	4	6	40	<b>106.96</b>
TSL040040N	40	40	grey	PVC slotted cable trunking	4	6	24	<b>126.51</b>
TSL060040N	60	40	grey	PVC slotted cable trunking	4	6	24	<b>166.76</b>
TSL080040N	80	40	grey	PVC slotted cable trunking	4	6	18	<b>190.91</b>
TSL025060N	25	60	grey	PVC slotted cable trunking	4	6	30	<b>149.51</b>
TSL040060N	40	60	grey	PVC slotted cable trunking	4	6	28	<b>166.76</b>
TSL060060N	60	60	grey	PVC slotted cable trunking	4	6	18	<b>203.56</b>
TSL080060N	80	60	grey	PVC slotted cable trunking	4	6	14	<b>246.11</b>
TSL100060N	100	60	grey	PVC slotted cable trunking	4	6	12	<b>279.46</b>
TSL025080N	25	80	grey	PVC slotted cable trunking	4	6	28	<b>178.26</b>
TSL040080N	40	80	grey	PVC slotted cable trunking	4	6	20	<b>201.26</b>
TSL060080N	60	80	grey	PVC slotted cable trunking	4	6	12	<b>243.81</b>
TSL080080N	80	80	grey	PVC slotted cable trunking	4	6	8	<b>287.51</b>
TSL100080N	100	80	grey	PVC slotted cable trunking	4	6	8	<b>322.02</b>
TSL040100N	40	100	grey	PVC slotted cable trunking	4	6	16	<b>259.91</b>
TSL060100N	60	100	grey	PVC slotted cable trunking	4	6	12	<b>282.91</b>
TSL080100N	80	100	grey	PVC slotted cable trunking	4	6	8	<b>318.56</b>
TSL100100N	100	100	grey	PVC slotted cable trunking	4	6	8	<b>365.72</b>

<b>Wide slotted trunking</b>					<b>Finger: 12 mm / Slot - 8 mm</b>		<b>(20 mm pitch)</b>	
TSL040060W	40	60	grey	PVC slotted cable trunking	8	12	28	<b>193.21</b>
TSL060060W	60	60	grey	PVC slotted cable trunking	8	12	18	<b>223.11</b>
TSL080060W	80	60	grey	PVC slotted cable trunking	8	12	14	<b>272.56</b>
TSL100060W	100	60	grey	PVC slotted cable trunking	8	12	12	<b>307.06</b>
TSL040080W	40	80	grey	PVC slotted cable trunking	8	12	20	<b>220.81</b>
TSL060080W	60	80	grey	PVC slotted cable trunking	8	12	12	<b>265.66</b>
TSL080080W	80	80	grey	PVC slotted cable trunking	8	12	8	<b>316.26</b>
TSL100080W	100	80	grey	PVC slotted cable trunking	8	12	8	<b>354.22</b>
TSL040100W	40	100	grey	PVC slotted cable trunking	8	12	16	<b>286.36</b>
TSL060100W	60	100	grey	PVC slotted cable trunking	8	12	12	<b>311.66</b>
TSL080100W	80	100	grey	PVC slotted cable trunking	8	12	8	<b>349.62</b>
TSL100100W	100	100	grey	PVC slotted cable trunking	8	12	8	<b>402.52</b>

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 narrow and wide slotted trunking**

TSM025	25	-	grey	spare PVC trunking covers	-	-	80	<b>24.84</b>
TSM040	40	-	grey	spare PVC trunking covers	-	-	80	<b>32.43</b>
TSM060	60	-	grey	spare PVC trunking covers	-	-	80	<b>52.91</b>
TSM080	80	-	grey	spare PVC trunking covers	-	-	80	<b>67.86</b>
TSM100	100	-	grey	spare PVC trunking covers	-	-	68	<b>83.96</b>

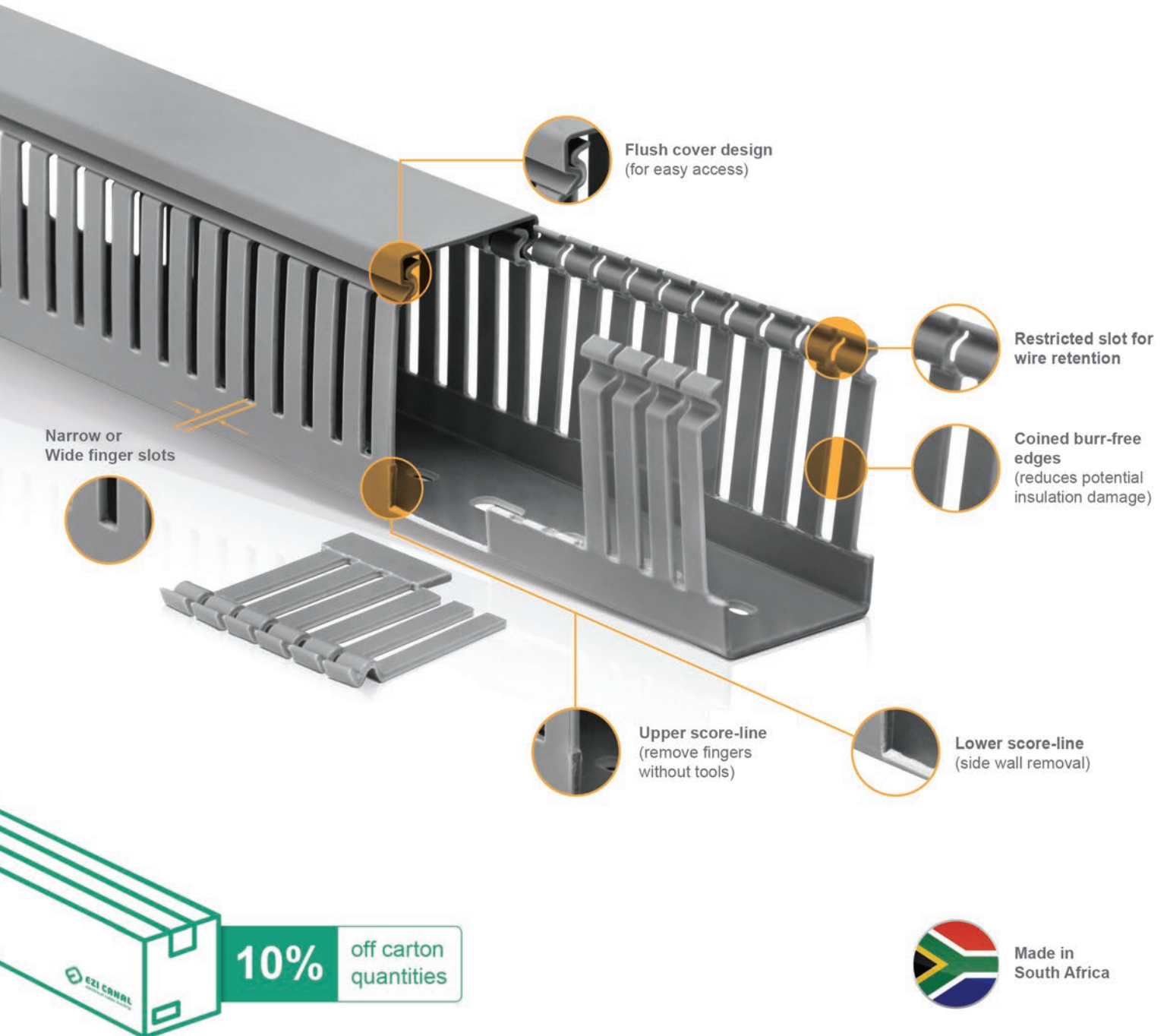
**Trunking accessories**

553415	84	14	grey	sectionable cable retainer clip			(10 pcs)	<b>82.81</b>
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For VTC125 - wiring duct cutter, see page (L-13)

High impact, self-extinguishing, warp-proof rigid PVC

Keep it together the EZI way



### Quick and easy to install

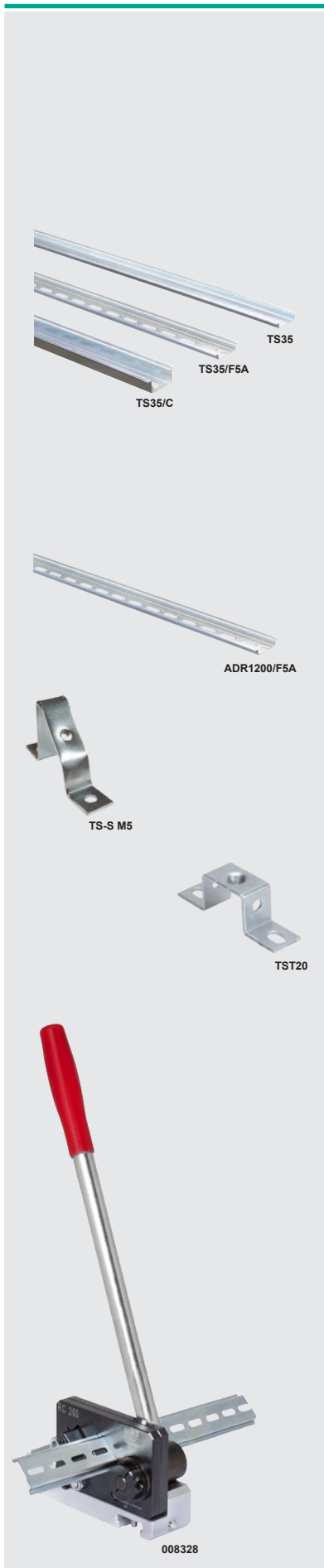
Simple open/close design for easy access to wiring.

### Enhances aesthetics and clarity

Duct and cover form a flush sidewall to provide increased capacity.

### Provides complete electrical insulation

UL94 flammability rating for excellent flame retardation.



**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	price
<b>Steel mounting rail</b>		<b>EN 60715</b>				
			• High quality, galvanic zinc plating - white passivation "Cr VI free" fully <b>RoHS</b> compliant			
<b>Standard mounting rail</b>		<b>1 mm thick</b>				
<b>TS35</b>	DIN 35	7.5 mm	standard DIN mounting rail	plain	2 meter	<b>128.81</b>
<b>TS35/F5A*</b>	DIN 35	7.5 mm	standard DIN mounting rail	perforated	2 meter	<b>124.21</b>
<b>TS35/SF6*</b>	DIN 35	10 mm	standard DIN mounting rail	perforated	2 meter	<b>182.86</b>
<b>Heavy duty mounting rail</b>		<b>1.5 mm steel</b>				
<b>TS35/C</b>	DIN 35	15 mm	HD standard DIN mounting rail	plain	2 meter	<b>230.01</b>
<b>TS35/CF5A*</b>	DIN 35	15 mm	HD standard DIN mounting rail	perforated	2 meter	<b>221.96</b>
* Perforated - slot <b>F5A</b> = 18 x 5.2 mm / <b>F6</b> = 18 x 6.3 mm (25 mm between centres)						
<b>Stainless steel mounting rail (INOX)</b>		<b>1 mm thick</b>				
• Perforated slot - 18 x 6.3 mm (25 mm between centres)						
<b>TS35/F6 INOX</b>	DIN 35	7.5 mm	stainless steel DIN mounting rail	perforated	2 meter	<b>449.67</b>
<b>Aluminium mounting rail</b>		<b>1.1 mm thick</b>				
• Perforated slot - 20 x 4.8 mm (35 mm between centres)						
<b>ADR1200/F5A</b>	DIN 35	7.5 mm	aluminium DIN mounting rail	perforated	2 meter	<b>124.21</b>
<b>CUT-ADR</b>	DIN 35	7.5 mm	aluminium DIN rail cutter	(for aluminium rail only)		<b>5 569.63</b>
<b>Accessories for DIN rail</b>						
type	rail	high	description		mounting hole	price
<b>TS-S M5</b>	bracket	48 mm	angled stand-off DIN rail support bracket		M5	<b>12.66</b>
<b>TST20</b>	bracket	20 mm	steel support brackets for raising DIN rail		M6	<b>16.57</b>
<b>TST30</b>	bracket	30 mm	steel support brackets for raising DIN rail		M6	<b>19.09</b>
<b>TST40</b>	bracket	40 mm	steel support brackets for raising DIN rail		M6	<b>22.08</b>
<b>TST50</b>	bracket	50 mm	steel support brackets for raising DIN rail		M6	<b>24.16</b>
<b>TST70</b>	bracket	70 mm	steel support brackets for raising DIN rail		M6	<b>31.74</b>
<b>FIX KLIP M4</b>	DIN 35	-	M4 DIN rail mounting clip for components		M4	<b>13.92</b>
<b>FIX KLIP M5</b>	DIN 35	-	M5 DIN rail mounting clip for components		M5	<b>13.92</b>



**Category-M**

Made in Germany

**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

type	rail	for depth	description		price	
<b>RC200 DIN rail cutter</b>		<b>for DIN 35 rail 7.5 and 15 mm deep</b>				
<b>008328</b>	cutter	7.5 + 15 mm	DIN rail cutter (2 profiles) for 7.5/15 mm high x 35 mm rail		see page M-8 for pricing.	
<b>Accessories for above RC200 DIN rail cutter</b>						
<b>009465</b>	scale	metric scale plate and length stop for above DIN rail cutter		RC200		
<b>009102</b>	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

<b>VTC125</b>	trunking	125 mm	precision slotted wiring duct (trunking) cutter	<b>all sizes</b>
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new

HKP020025R3A



HKP...ZDA



HKP015015ZEA



HKP020025ZEA



HKP040060ZKA

**HKP series - Cable carriers**

Also known as "drag chains, cable carriers, energy chains or cable tracks", are designed to surround and guide flexible cables connected to moving automated machinery - keeps cables neatly out of the way.

They reduce wear and stress on cables and hoses, prevent entanglement and improve operator safety. These chains move either in (*linear*): moving in a straight line or circular (*rotary*): moving in circular arcs.

Designed with an ideal bend radius, allows for smooth movement which assists to eliminates excessive wear and tear, reduces the need for cable replacements, and decreases the potential dangers of exposed wiring.

Supplied in **1 meter lengths** which can be connected to one another by internal/external connectors to make up any length requirement i.e. 1 meter can be connected and made longer by joining 2 x 1 meter lengths to make a 2 meters etc

**General features:**

- Open type
- Low noise
- High load resistance
- Chemical, water and temperature resistant
- Operating temperature: -25 / + 80 °C
- Supplied in 1 meter lengths (*extendable with connectors*)
- Multi-axis movement (*freely rotating between links*)
- Speed and acceleration (specific speed, acceleration, as the case may be running).
- Easy assembly and disassembly without threading, to the cable, tubing, pipe, pipe, etc.
- Corrosion resistance, ability or easily form into complex shapes, self-lubrication, and lower cost.

**Typical applications:**

- Port cranes
- Machine tools
- Data centers
- Robotics
- Textile industries
- Green energy systems
- Process and automation equipment
- Vehicle transporters and washing systems

type	internal dimensions height	width	bending radius	material	description	price
<b>15 x 15 mm cable carrier</b>						
HKP015015R1A	15 mm	15 mm	25 mm	plastic	open type cable carrier	940.73
<b>Mounting accessories (for 15 x 15 cable carrier)</b>						
HKP015015ZDA	15 mm	15 mm	–	plastic	internal connection	18.63
HKP015015ZEA	15 mm	15 mm	–	plastic	external connection	18.63
HKP015015ZKA	15 mm	15 mm	–	plastic	upper cable retainer/cover	8.98
<b>20 x 25 mm cable carrier</b>						
HKP020025R3A	20 mm	25 mm	40 mm	plastic	open type cable carrier	760.18
<b>Mounting accessories (for 20 x 25 cable carrier)</b>						
HKP020025ZDA	20 mm	25 mm	–	plastic	internal connection	28.29
HKP020025ZEA	20 mm	25 mm	–	plastic	external connection	28.29
HKP020025ZKA	20 mm	25 mm	–	plastic	upper cable retainer/cover	10.36
<b>40 x 60 mm cable carrier</b>						
HKP040060R5A	40 mm	60 mm	100 mm	plastic	open type cable carrier	1 085.64
<b>Mounting accessories (for 40 x 60 cable carrier)</b>						
HKP040060ZDA	40 mm	60 mm	–	plastic	internal connection	57.51
HKP040060ZEA	40 mm	60 mm	–	plastic	external connection	57.51
HKP040060ZKA	40 mm	60 mm	–	plastic	upper cable retainer/cover	14.49
HKP040060Z5A	40 mm	–	–	plastic	internal cable separator	14.49

Termination & wiring



LH-M...



LH-M...



6453XE



5475 RBE



LH-SC-M5B



5406C

**Cable ties**

Standard cable ties are produced exclusively in Polyamide 6.6 (Halogen-free)

Installation temperature: -10°...+85°C Flammability rating: UL 94 class V2

Approvals: UL62275 (E258930), TUV EN62275:2015, Reach, RoHS, PAHs compliance

type	dimensions (mm)		colour	bundle Ø max. (mm)	tensile strength	description	pack qty	price (per pack)
	length	width						

**Standard cable ties (black)**

Black cable ties have additional carbon black providing a UV resistance for outdoor applications.

LH-M-100B	100	2.5	black	21 mm	80 N	standard cable tie	100	14.49
LH-M-150B	150	2.5	black	36 mm	80 N	standard cable tie	100	20.24
LH-I-150B	150	3.6	black	36 mm	180 N	standard cable tie	100	36.81
LH-I-250B	250	3.6	black	68 mm	180 N	standard cable tie	100	60.96
LH-I-370B	370	3.6	black	106 mm	180 N	standard cable tie	100	89.71
LH-S-200B	200	4.8	black	50 mm	230 N	standard cable tie	100	64.41
LH-S-300B	300	4.8	black	81 mm	230 N	standard cable tie	100	101.21
LH-S-390B	390	4.8	black	110 mm	230 N	standard cable tie	100	139.16
LH-HD-380B	380	7.6	black	108 mm	540 N	standard cable tie	100	225.41
LH-HD-550B	550	7.6	black	162 mm	540 N	standard cable tie	100	371.47
LH-HSD-530B	530	12.4	black	156 mm	1200 N	standard cable tie	100	688.88

**Standard cable ties natural colour (white)**

LH-M-100N	100	2.5	natural	21 mm	80 N	standard cable tie	100	14.49
LH-I-150N	150	3.6	natural	36 mm	180 N	standard cable tie	100	36.81
LH-I-250N	250	3.6	natural	80 mm	180 N	standard cable tie	100	60.96
LH-S-390N	390	4.8	natural	110 mm	230 N	standard cable tie	100	139.16

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

• Excellent resistance to UV rays		• Suitable for PV photovoltaic installations						
LH-M-100UV	100	2.5	black	21 mm	80 N	UVE cable tie	100	15.42
LH-I-150UV	150	3.6	black	35 mm	180 N	UVE cable tie	100	39.11
LH-S-200UV	200	4.8	black	50 mm	230 N	UVE cable tie	100	69.01
LH-S-300UV	300	4.8	black	79 mm	230 N	UVE cable tie	100	108.11
LH-HD-380UV	380	7.6	black	100 mm	540 N	UVE cable tie	100	278.31

**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.

6450XE	180	6	black	45 mm	280 N	single head lock	100	243.81
6454XE	360	6	black	100 mm	280 N	single head lock	100	387.57
LH-E-HD-265B	265	9	black	62 mm	540 N	double head lock	100	354.22
LH-E-HD-360B	360	9	black	93 mm	540 N	double head lock	100	456.57

**Cable tie supports**

type	max. tie width	hole Ø (mm)	colour	tensile strength	dimensions (mm)			pack qty	price (per pack)
					(H)	(W)	(D)		

**Adhesive tie mounts (fixing with self-adhesive backing or screw)**

LH-MP-12/3MB	3.6 mm	M3	black	88 kg	12.5	12.5	5.0	100	62.11
LH-MP-20/3MB	3.6 mm	M4	black	88 kg	19	19	5.0	100	101.21
LH-MP-30/3MB	4.8 mm	M4	black	110 kg	28	28	6.5	100	192.06
LH-MP-40/3MB	9.0 mm	M5	black	380 kg	40	40	8.5	100	395.62
LH-MP-20/3MN	3.6 mm	M4	natural	88 kg	19	19	5.0	100	101.21
LH-MP-30/3MN	4.8 mm	M4	natural	110 kg	28	28	6.5	100	192.06

*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

LH-SC-M3SB	3.6 mm	M3	black	88 kg	15	9.6	6.85	100	54.06
LH-SC-M3B	4.8 mm	M4	black	110 kg	17.8	12.7	8.15	100	57.51
LH-SC-M4B	7.6 mm	M4	black	260 kg	22.3	16	9.65	100	94.31
LH-SC-M5B	9.0 mm	M5	black	380 kg	25.4	16	10.8	100	124.21

**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 1 370.32





**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	price per (100)
<b>AISI 304 stainless steel</b>				<b>for general purpose applications</b>			
Working temperature:		-60°C – +550°C					
<b>Metallic band and buckle</b>							
<b>SST4/15-04</b>	150	4.6	0.25	304	37	stainless steel cable ties	<b>251.86</b>
<b>SST4/25-04</b>	250	4.6	0.25	304	63	stainless steel cable ties	<b>276.01</b>
<b>SST4/35-04</b>	350	4.6	0.25	304	89	stainless steel cable ties	<b>332.37</b>
<b>SST4/45-04</b>	450	4.6	0.25	304	115	stainless steel cable ties	<b>364.57</b>
<b>SST4/55-04</b>	550	4.6	0.25	304	141	stainless steel cable ties	<b>446.22</b>
<b>SST7/25-04</b>	250	7.9	0.25	304	63	stainless steel cable ties	<b>380.67</b>
<b>SST7/45-04</b>	450	7.9	0.25	304	115	stainless steel cable ties	<b>510.62</b>
<b>SST7/60-04</b>	600	7.9	0.25	304	154	stainless steel cable ties	<b>648.63</b>
<b>SST7/80-04</b>	800	7.9	0.25	304	193	stainless steel cable ties	<b>785.48</b>

<b>AISI 316 stainless steel - Epoxy coated</b>				<b>for extra corrosive environments</b>			
<ul style="list-style-type: none"> <li>• Black band with metallic buckle</li> <li>• Coated band with non-toxic, Halogen free polyester coating</li> <li>• Provides additional edge protection, prevents corrosion between dissimilar materials</li> </ul>							
<b>SSTP4/20-16</b>	200	4.6	0.36	316	50	stainless steel cable ties	<b>454.27</b>
<b>SSTP4/30-16</b>	300	4.6	0.36	316	76	stainless steel cable ties	<b>550.87</b>
<b>SSTP4/40-16</b>	400	4.6	0.36	316	102	stainless steel cable ties	<b>688.88</b>
<b>SSTP4/50-16</b>	500	4.6	0.36	316	128	stainless steel cable ties	<b>793.53</b>
<b>SSTP7/30-16</b>	300	7.9	0.36	316	76	stainless steel cable ties	<b>713.03</b>
<b>SSTP7/40-16</b>	400	7.9	0.36	316	102	stainless steel cable ties	<b>875.18</b>
<b>SSTP7/60-16</b>	600	7.9	0.36	316	154	stainless steel cable ties	<b>1 206.39</b>
<b>SSTP7/80-16</b>	800	7.9	0.36	316	193	stainless steel cable ties	<b>1 522.65</b>

**Marking tags - Stainless steel** (cable tie max. width 4.6mm)

Stainless steel tie-on tags for permanent identification of cables, conduits, pipes in arduous applications where high resistance to aggressive environments is essential. (per 100)

<b>AISI 304 stainless steel</b>							
<b>SSM1089-04</b>	89	9.5	0.40	304	–	stainless steel marking tags	<b>178.26</b>
<b>SSM1989-04</b>	89	19	0.40	304	–	stainless steel marking tags	<b>259.91</b>
<b>AISI 316 stainless steel</b>							
<b>SSM1089-16</b>	89	9.5	0.40	316	–	stainless steel marking tags	<b>202.41</b>
<b>SSM1989-16</b>	89	19	0.40	316	–	stainless steel marking tags	<b>316.26</b>

**Laser engraved stainless steel tags**

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

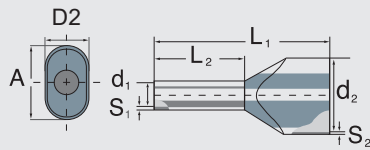
• Once laser engraved the inscription remains with the product for life (each)

<b>SSM1089-04/PS*</b>	89	9.5	0.40	304	–	custom engraved marking tags	<b>4.04</b>
<b>SSM1989-04/PS*</b>	89	19	0.40	304	–	custom engraved marking tags	<b>5.76</b>
<b>SSM1089-16/PS*</b>	89	9.5	0.40	316	–	custom engraved marking tags	<b>6.34</b>
<b>SSM1989-16/PS*</b>	89	19	0.40	316	–	custom engraved marking tags	<b>7.13</b>

\* **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.

<b>Accessories (cable tie gun)</b>								
<ul style="list-style-type: none"> <li>• Tensioning tool (with auto cut) for all above stainless steel cable ties</li> <li>• Adjustable tension value - (4 settings)</li> </ul>								
<b>HS-600</b>	tensioning and cutting tool for 4.6 and 7.9 mm SS cable ties						(each)	<b>4 289.64</b>



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 <sup>2</sup>	colour	dimensions (mm)						pack qty	price per pack
			L1	L2 <sup>1)</sup>	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	24.16
005644	0.75	blue	14.0	8.0	1.3	0.15	2.7	-	0.30	100	24.50
005718*	1.0	red	14.0	8.0	1.5	0.15	3.3	-	0.30	100	24.84
005738*	1.0	red	16.0	10.0	1.5	0.15	3.3	-	0.30	100	35.66
005765*	1.5	black	14.0	8.0	1.8	0.15	3.7	-	0.30	100	25.08
005791*	1.5	black	16.0	10.0	1.8	0.15	3.7	-	0.30	100	37.96
005808	2.5	grey	15.0	8.0	2.3	0.15	4.1	-	0.30	100	35.66
005829	2.5	grey	17.0	10.0	2.3	0.15	4.1	-	0.30	100	49.46
005831*	2.5	grey	18.0	10.0	2.3	0.15	4.7	-	0.30	100	49.46
005851	4.0	orange	18.0	10.0	2.9	0.20	4.7	-	0.30	100	51.76
007739*	4.0	grey	18.0	10.0	2.9	0.20	6.1	-	0.30	100	52.91
005871	6.0	green	20.0	12.0	3.6	0.20	6.1	-	0.30	100	72.46
005896	10.0	brown	21.0	12.0	4.6	0.20	7.4	-	0.40	100	89.71
005917	16.0	white	23.0	12.0	6.0	0.20	8.6	-	0.50	100	127.66
005919*	16.0	white	23.0	12.0	6.0	0.20	9.4	-	0.50	100	119.84
005950	25.0	black	29.0	16.0	7.5	0.20	10.9	-	0.50	50	132.26
005968	35.0	red	30.0	16.0	8.5	0.20	12.3	-	0.50	50	148.36
005980	50.0	blue	36.0	20.0	10.5	0.30	14.8	-	0.60	50	330.07
005988	70.0	yellow	37.0	20.0	12.7	0.40	15.8	-	0.60	25	235.76
005990	95.0	red	44.0	25.0	14.7	0.40	17.7	-	0.60	25	440.47
005915	120.0	blue	48.0	27.0	16.7	0.50	20.7	-	0.70	25	538.22
005916	150.0	yellow	58.0	32.0	18.7	0.50	22.6	-	1.00	25	630.22

\* Broader collar to accommodate wires with thicker insulation

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

type	wire size (mm <sup>2</sup> )	colour	dimensions (mm)						pack qty	price per pack
			L1	L2 <sup>1)</sup>	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	42.56
005653	2 x 0.75	blue	15.0	8.0	1.8	0.15	2.7	5.4	0.30	100	46.01
005722	2 x 1.0	red	15.0	8.0	2.1	0.15	3.3	5.3	0.30	100	54.06
005740	2 x 1.0	red	17.0	10.0	2.1	0.15	3.3	5.3	0.30	100	75.91
005770	2 x 1.5	black	16.0	8.0	2.3	0.15	3.5	6.5	0.30	100	56.36
005794	2 x 1.5	black	20.0	12.0	2.3	0.15	3.5	6.5	0.30	100	73.61
005816	2 x 2.5	grey	19.0	10.0	2.9	0.20	4.1	7.7	0.40	100	78.21
005853	2 x 4.0	orange	23.0	12.0	3.8	0.20	4.9	8.7	0.40	100	159.86
005873	2 x 6.0	green	25.0	14.0	4.9	0.20	6.1	9.9	0.40	100	202.41
005898	2 x 10.0	brown	26.0	14.0	6.5	0.20	7.1	12.9	0.50	100	289.81
005921	2 x 16.0	white	31.0	16.0	8.5	0.20	9.8	16.8	0.60	50	212.76

**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)
- MC 25 - Wire stripping and crimping done in one operation using belt strip ferrules in type K box dispensers, controlled by a sophisticated cam mechanism achieving a stable working process.

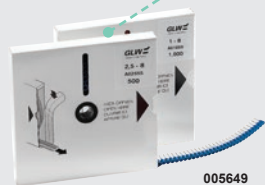
type	wire size (mm <sup>2</sup> )	colour	dimensions (mm)						reel qty	price per reel
			L1	L2 <sup>1)</sup>	D1	S1	D2	centre		

<sup>1)</sup> Other lengths available on request

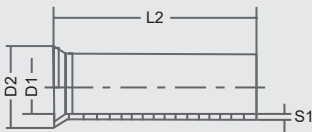
005611	0.50	white	14.5	8.0	1.1	0.15	2.6	3.5	0.25	1000	448.52
005649	0.75	blue	14.5	8.0	1.3	0.15	2.7	3.6	0.25	1000	454.27
005720	1.0	red	14.5	8.0	1.5	0.15	3.0	3.9	0.30	1000	456.57
005767	1.5	black	14.5	8.0	1.8	0.15	3.2	4.2	0.30	1000	462.32
005813	2.5	grey	14.5	8.0	2.3	0.15	4.1	5.0	0.30	500	282.91



MC 25



005649



**Ferrules / Wire end sleeves (uninsulated)**

Uninsulated ferrule prevents wire strands from fraying and breaking and is extremely cost-effective. Its shorter length and uninsulated body offer advantages when making terminations in printed circuit board terminal blocks and in other terminal blocks with smaller clamps or narrow widths.

**General features:**

- 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 <sup>2</sup> )	dimensions (mm)				description	pack qty	price per pack
		L2 <sup>1)</sup>	D1	D2	S1			

**Uninsulated wire end sleeve (cord end / bootlace terminals)**

<b>006010</b>	0.50	–	10.0	1.0	2.1	0.15	uninsulated ferrules	1000	<b>194.36</b>
<b>006015</b>	0.75	–	10.0	1.2	2.3	0.15	uninsulated ferrules	1000	<b>198.96</b>
<b>006022</b>	1.0	–	10.0	1.4	2.5	0.15	uninsulated ferrules	1000	<b>202.41</b>
<b>006031</b>	1.5	–	10.0	1.7	2.8	0.15	uninsulated ferrules	1000	<b>220.81</b>
<b>006045</b>	2.5	–	12.0	2.2	3.4	0.15	uninsulated ferrules	1000	<b>305.91</b>
<b>006053</b>	4.0	–	12.0	2.8	4.0	0.2	uninsulated ferrules	1000	<b>412.87</b>
<b>006060</b>	6.0	–	12.0	3.5	4.7	0.2	uninsulated ferrules	1000	<b>456.57</b>
<b>006068</b>	10.0	–	12.0	4.5	5.8	0.2	uninsulated ferrules	500	<b>305.91</b>
<b>006079</b>	16.0	–	12.0	5.8	7.5	0.2	uninsulated ferrules	250	<b>171.36</b>
<b>006091</b>	25.0	–	15.0	7.3	9.5	0.2	uninsulated ferrules	100	<b>133.41</b>
<b>006098</b>	35.0	–	18.0	8.3	11.0	0.2	uninsulated ferrules	100	<b>180.56</b>
<b>006102</b>	50.0	–	18.0	10.3	13.0	0.3	uninsulated ferrules	100	<b>336.97</b>
<b>006107</b>	70.0	–	25.0	12.5	15.0	0.4	uninsulated ferrules	100	<b>736.03</b>
<b>006109</b>	95.0	–	25.0	14.5	17.0	0.4	uninsulated ferrules	50	<b>478.42</b>
<b>006075</b>	120.0	–	32.0	16.5	19.0	0.5	uninsulated ferrules	50	<b>667.03</b>

Available in smaller (from 0.25 mm<sup>2</sup>) and larger wire sizes (up to 240 mm<sup>2</sup>)

<sup>1)</sup> Other lengths available on request



4300-4661



4300-3129

4300-3149

**Category-M**

made in Sweden

**pressmaster**

**Crimping tools for wire end sleeves**

type	for terminals	conductor (mm <sup>2</sup> )	cable entry	description	price
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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

<b>4300-4661</b>	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*)

<b>4300-3149</b>	die dependant		side	MCT frame only for interchangeable dies	
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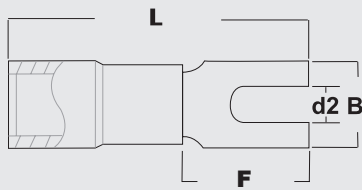
**Interchangeable die sets for above tool frame**

- 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.

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

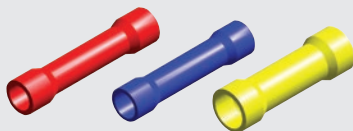
Consult the category **M-Tools** section of our catalogue for hydraulic crimpers and die sets

see page  
**M-3** for  
pricing.











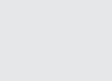





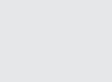
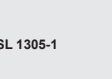
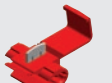

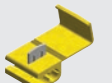




- Maximum electrical rating: 600V
- Operating temperature: 105°C
- Material: Terminal: Copper (*tin plated*)  
Insulation: Vinyl (PVC)

type	colour	wire size mm <sup>2</sup>	description	dimensions (mm)			pack qty	price
				d2	B	L		
<b>Ring terminals</b>								
R1-3V	red	0.5 - 1.5	insulated ring lug	3.2	5.5	16.7	100	78.21
R1-3.5MV	red	0.5 - 1.5	insulated ring lug	3.7	5.5	16.7	100	92.01
R1-4SV	red	0.5 - 1.5	insulated ring lug	4.3	6.6	19.6	100	89.71
R1-4LV	red	0.5 - 1.5	insulated ring lug	4.3	8.0	21.0	100	100.06
R1-5V	red	0.5 - 1.5	insulated ring lug	5.3	8.0	21.0	100	93.16
R1-6V	red	0.5 - 1.5	insulated ring lug	6.5	11.6	26.8	100	141.46
R1-8V	red	0.5 - 1.5	insulated ring lug	8.4	11.6	26.8	100	141.46
R1-10V	red	0.5 - 1.5	insulated ring lug	10.5	13.6	30.7	100	151.81
R1-12V	red	0.5 - 1.5	insulated ring lug	13	19.2	35.6	100	262.21
R2-3V	blue	1.5 - 2.5	insulated ring lug	3.2	6.4	17.5	100	95.46
R2-3.5MV	blue	1.5 - 2.5	insulated ring lug	3.7	6.4	17.5	100	103.51
R2-4SV	blue	1.5 - 2.5	insulated ring lug	4.3	6.6	19.5	100	96.61
R2-4LV	blue	1.5 - 2.5	insulated ring lug	4.3	8.5	22.0	100	129.96
R2-5SV	blue	1.5 - 2.5	insulated ring lug	5.3	8.5	22.0	100	115.01
R2-6V	blue	1.5 - 2.5	insulated ring lug	6.5	12.0	27.0	100	165.61
R2-8V	blue	1.5 - 2.5	insulated ring lug	8.4	12.0	27.0	100	159.86
R2-10V	blue	1.5 - 2.5	insulated ring lug	10.5	13.6	30.7	100	171.36
R2-12V	blue	1.5 - 2.5	insulated ring lug	13	19.2	35.6	100	257.61
R5-3V	yellow	4.0 - 6.0	insulated ring lug	3.2	7.2	22.0	100	174.81
R5-3.5SV	yellow	4.0 - 6.0	insulated ring lug	3.7	7.2	22.0	100	174.81
R5-4SV	yellow	4.0 - 6.0	insulated ring lug	4.3	7.2	25.5	100	169.06
R5-4LV	yellow	4.0 - 6.0	insulated ring lug	4.3	9.5	25.5	100	218.51
R5-5V	yellow	4.0 - 6.0	insulated ring lug	5.3	9.5	25.5	100	203.56
R5-6V	yellow	4.0 - 6.0	insulated ring lug	6.5	12.0	29.0	100	242.66
R5-8V	yellow	4.0 - 6.0	insulated ring lug	8.4	15.0	33.7	100	300.16
R5-10V	yellow	4.0 - 6.0	insulated ring lug	10.5	15.0	33.7	100	279.46
R5-12V	yellow	4.0 - 6.0	insulated ring lug	13.0	9.2	38.1	100	371.47
<b>Fork / Spade terminals</b>								
S1-3V	red	0.5 - 1.5	insulated fork lug	3.2	5.8	21.0	100	87.41
S1-3.5SV	red	0.5 - 1.5	insulated fork lug	3.7	5.8	21.0	100	85.11
S1-3.5MV	red	0.5 - 1.5	insulated fork lug	3.7	6.4	20.6	100	87.41
S1-4SV	red	0.5 - 1.5	insulated fork lug	4.3	6.4	20.6	100	85.11
S1-4MV	red	0.5 - 1.5	insulated fork lug	4.3	7.2	21.0	100	93.16
S1-5SV	red	0.5 - 1.5	insulated fork lug	5.3	8.0	21.0	100	100.06
S1-6SV	red	0.5 - 1.5	insulated fork lug	6.5	9.5	21.0	100	101.21
S2-3V	blue	1.5 - 2.5	insulated fork lug	3.2	5.8	21.0	100	103.51
S2-3.5SV	blue	1.5 - 2.5	insulated fork lug	3.7	5.8	21.0	100	102.36
S2-3.5MV	blue	1.5 - 2.5	insulated fork lug	3.7	6.4	21.0	100	103.51
S2-4SV	blue	1.5 - 2.5	insulated fork lug	4.3	6.4	21.0	100	101.21
S2-4LV	blue	1.5 - 2.5	insulated fork lug	4.3	8.5	22.0	100	123.06
S2-5SV	blue	1.5 - 2.5	insulated fork lug	5.3	8.5	22.0	100	118.46
S2-6SV	blue	1.5 - 2.5	insulated fork lug	6.5	9.5	22.0	100	115.01
S5-4SV	yellow	4.0 - 6.0	insulated fork lug	4.3	8.5	25.2	100	194.36
S5-5V	yellow	4.0 - 6.0	insulated fork lug	5.3	9.5	25.2	100	194.36
S5-6SV	yellow	4.0 - 6.0	insulated fork lug	6.5	9.5	25.2	100	185.16
<b>Pin terminals</b>								
PT1-10V	red	0.5 - 1.5	insulated pin lug	1.9	10.5	20.5	100	98.91
PT2-10V	blue	1.5 - 2.5	insulated pin lug	1.9	10.5	20.5	100	111.56
PT2-12V	blue	1.5 - 2.5	insulated pin lug	1.9	12.5	22.5	100	124.21
PT5-13V	yellow	4.0 - 6.0	insulated pin lug	2.8	13.7	26.2	100	233.46
<b>Ferrule / butt connector</b>								
BB1V	red	0.5 - 1.5	insulated ferrule	1.7	–	26.0	100	87.41
BB2V	blue	1.5 - 2.5	insulated ferrule	2.3	–	26.0	100	102.36
BB5V	yellow	4.0 - 6.0	insulated ferrule	2.3	–	26.0	100	175.96



	type	colour	wire size mm <sup>2</sup>	description	dimensions (mm)			pack qty	price	
					d2	B	L			
<b>Flat-blade terminal</b>										
	BT1-10V	red	0.5 - 1.5	insulated flat blade lug	2.4	10.7	20.7	100	86.26	
	BT1-14V	red	0.5 - 1.5	insulated flat blade lug	3	14	24	100	97.76	
	BT1-18V	red	0.5 - 1.5	insulated flat blade lug	2.4	18	28	100	100.06	
	BT2-10V	blue	1.5 - 2.5	insulated flat blade lug	2.4	10.7	20.7	100	96.61	
	BT2-13V	blue	1.5 - 2.5	insulated flat blade lug	2.4	13	23	100	101.21	
	BT2-18V	blue	1.5 - 2.5	insulated flat blade lug	2.4	18	28	100	110.41	
BT5-10V	yellow	4.0 - 6.0	insulated flat blade lug	2.8	10	22.5	100	178.26		
BT5-18V	yellow	4.0 - 6.0	insulated flat blade lug	3	18	30.5	100	195.51		
<b>Hook-blade terminal</b>										
	LB1-3V	red	0.5 - 1.5	insulated hook blade lug	3.0	18.0	28.0	100	119.61	
	LB1-4.6V	red	0.5 - 1.5	insulated hook blade lug	4.6	18.0	28.0	100	135.71	
	LB2-3V	blue	1.5 - 2.5	insulated hook blade lug	3.0	18.0	28.0	100	134.56	
	LB2-4.6V	blue	1.5 - 2.5	insulated hook blade lug	4.6	18.0	28.0	100	152.96	
	LB5-3V	yellow	4.0 - 6.0	insulated hook blade lug	3.0	17.5	30.0	100	190.91	
	LB5-4.6V	yellow	4.0 - 6.0	insulated hook blade lug	4.6	17.5	30.0	100	213.91	
<b>Female disconnect terminals "push-on"</b>										
	F1-2.8V/5	red	0.5 - 1.5	female disconnect	2.8	3.2	18.5	100	60.96	
	F1-2.8VD/5*	red	0.5 - 1.5	female disconnect	2.8	3.2	18.5	100	115.01	
	F1-4.8V/5	red	0.5 - 1.5	female disconnect	4.8	5.0	19.0	100	71.31	
	F1-4.8VD/5*	red	0.5 - 1.5	female disconnect	4.8	5.0	19.0	100	133.41	
	F1-6.4V	red	0.5 - 1.5	female disconnect	6.4	6.6	21.0	100	93.16	
	F1-6.4VF	red	0.5 - 1.5	fully insulated disconnect	6.4	6.6	22.0	100	108.11	
	F1-6.4VD*	red	0.5 - 1.5	female disconnect	6.4	6.6	21.0	100	144.91	
	F1-6.4VQD*	red	0.5 - 1.5	fully insulated disconnect	6.4	6.6	21.5	100	179.41	
	F2-2.8VD/5*	blue	1.5 - 2.5	female disconnect	2.8	3.2	18.5	100	123.06	
	F2-4.8V/5	blue	1.5 - 2.5	female disconnect	4.8	5.0	19.0	100	79.36	
	F2-4.8VD/5*	blue	1.5 - 2.5	female disconnect	4.8	5.0	19.0	100	142.61	
	F2-6.4V	blue	1.5 - 2.5	female disconnect	6.4	6.6	21.0	100	97.76	
	F2-6.4VF	blue	1.5 - 2.5	fully insulated disconnect	6.4	6.6	22.0	100	112.71	
	F2-6.4VD*	blue	1.5 - 2.5	female disconnect	6.4	6.6	21.0	100	154.11	
	F2-6.4VQD*	blue	1.5 - 2.5	fully insulated disconnect	6.4	6.6	21.5	100	190.91	
	F2-8V	blue	1.5 - 2.5	female disconnect	8.0	8.4	24.0	100	139.16	
	F2-8VD*	blue	1.5 - 2.5	female disconnect	8.0	8.4	24.0	100	202.41	
	F5-6.4V	yellow	4.0 - 6.0	female disconnect	6.4	6.6	23.5	100	110.41	
	F5-6.4VD*	yellow	4.0 - 6.0	female disconnect	6.4	6.6	23.5	100	218.51	
	F5-6.4VQD*	yellow	4.0 - 6.0	fully insulated disconnect	6.4	6.6	24.5	100	265.66	
F5-9.5V	yellow	4.0 - 6.0	female disconnect	9.5	9.9	28.5	100	218.51		
F5-9.5VD*	yellow	4.0 - 6.0	female disconnect	9.5	9.9	28.5	100	351.92		
* Twin-grip crimp ■ Square entry / twin-grip / fully insulated										
<b>Male disconnect terminals "push-on"</b>										
	M1-2.8V/5	red	0.5 - 1.5	male disconnect	-	2.8	19.2	100	73.61	
	M1-2.8VD/5*	red	0.5 - 1.5	male disconnect	-	2.8	19.2	100	129.96	
	M1-4.8V/5	red	0.5 - 1.5	male disconnect	-	4.8	19.2	100	73.61	
	M1-4.8VD/5*	red	0.5 - 1.5	male disconnect	-	4.8	19.2	100	132.26	
	M1-6.4V	red	0.5 - 1.5	male disconnect	-	6.4	21.2	100	82.81	
	M1-6.4VD*	red	0.5 - 1.5	male disconnect	-	6.4	21.2	100	133.41	
	M2-2.8V/5	blue	1.5 - 2.5	male disconnect	-	2.8	19.2	100	78.21	
	M2-2.8VD/5*	blue	1.5 - 2.5	male disconnect	-	2.8	19.2	100	152.96	
	M2-4.8V/5	blue	1.5 - 2.5	male disconnect	-	4.8	19.2	100	78.21	
	M2-4.8VD/5*	blue	1.5 - 2.5	male disconnect	-	4.8	19.2	100	157.56	
	M2-6.4V	blue	1.5 - 2.5	male disconnect	-	4.8	21.2	100	86.26	
	M2-6.4VD*	blue	1.5 - 2.5	male disconnect	-	4.8	21.2	100	152.96	
	M5-6.4V	yellow	4.0 - 6.0	male disconnect	-	6.4	23.2	100	100.06	
	M5-6.4VD*	yellow	4.0 - 6.0	male disconnect	-	6.4	23.7	100	225.41	
	* Twin-grip crimp									

	type	colour	wire size mm <sup>2</sup>	description	dimensions (mm)			pack qty	price	
					d2	B	L			
	<b>PB1-6.4V</b>	red	0.5 - 1.5	piggy-back disconnect	6.4	6.6	21.0	100	<b>155.26</b>	
	<b>PB1-6.4VD*</b>	red	0.5 - 1.5	piggy-back disconnect	6.4	6.6	21.0	100	<b>204.71</b>	
	<b>PB2-6.4V</b>	blue	1.5 - 2.5	piggy-back disconnect	6.4	6.6	21.0	100	<b>158.71</b>	
	<b>PB2-6.4VD*</b>	blue	1.5 - 2.5	piggy-back disconnect	6.4	6.6	21.0	100	<b>212.76</b>	
	<b>PB5-6.4V</b>	yellow	4.0 - 6.0	piggy-back disconnect	6.4	6.6	23.5	100	<b>171.36</b>	
	<b>PB5-6.4VD*</b>	yellow	4.0 - 6.0	piggy-back disconnect	6.4	6.6	23.5	100	<b>279.46</b>	
	<i>* Twin-grip crimp</i>									
	<b>Male bullet disconnect</b>									
	<b>BD1-4V</b>	red	0.5 - 1.5	male bullet disconnect	–	4.0	21.0	100	<b>86.26</b>	
	<b>BD1-4VD*</b>	red	0.5 - 1.5	male bullet disconnect	–	4.0	21.0	100	<b>86.26</b>	
	<b>BD2-5V</b>	blue	1.5 - 2.5	male bullet disconnect	–	5.0	21.0	100	<b>98.91</b>	
	<b>BD2-5VD*</b>	blue	1.5 - 2.5	male bullet disconnect	–	5.0	21.0	100	<b>174.81</b>	
	<b>BD5-5V</b>	yellow	4.0 - 6.0	male bullet disconnect	–	5.0	23.0	100	<b>123.06</b>	
	<b>BD5-5VD*</b>	yellow	4.0 - 6.0	male bullet disconnect	–	5.0	23.0	100	<b>257.61</b>	
	<i>* Twin-grip crimp</i>									
	<b>Female bullet disconnect</b>									
	<b>RE1-4VF</b>	red	0.5 - 1.5	female bullet disconnect	–	4.0	22.0	100	<b>105.81</b>	
	<b>RE1-4VFD*</b>	red	0.5 - 1.5	female bullet disconnect	–	4.0	22.5	100	<b>175.96</b>	
	<b>RE2-5VF</b>	blue	1.5 - 2.5	female bullet disconnect	–	5.0	23.5	100	<b>128.81</b>	
	<b>RE2-5VFD*</b>	blue	1.5 - 2.5	female bullet disconnect	–	5.0	23.5	100	<b>201.26</b>	
	<b>RE5-5VF</b>	yellow	4.0 - 6.0	female bullet disconnect	–	5.0	25.5	100	<b>138.01</b>	
	<b>RE5-5VFD*</b>	yellow	4.0 - 6.0	female bullet disconnect	–	5.0	25.0	100	<b>276.01</b>	
	<i>* Twin-grip crimp</i>									
	<b>Quick-splice connectors</b>									
	<b>SP1</b>	red	0.5 - 1.5	quick-splice connector	–	20.0	26.8	100	<b>111.56</b>	
	<b>SP2</b>	blue	1.5 - 2.5	quick-splice connector	–	20.0	26.8	100	<b>101.21</b>	
	<b>SP5</b>	yellow	4.0 - 6.0	quick-splice connector	–	20.0	35.0	100	<b>194.36</b>	
	<b>Insulated cord-end (boot lace) terminals</b>									
	<b>CE007508F</b>	blue	0.75	cord-end terminal	1.2	14.0	8.0	500	<b>155.26</b>	
	<b>CE010010F</b>	red	1.0	cord-end terminal	1.4	16.0	10.0	500	<b>174.81</b>	
	<b>CE015010F</b>	black	1.5	cord-end terminal	1.7	16.0	10.0	500	<b>174.81</b>	
	<b>CE025012F</b>	grey	2.5	cord-end terminal	2.2	18.0	12.0	500	<b>231.16</b>	
	<b>CE040012F</b>	orange	4.0	cord-end terminal	2.8	20.0	12.0	500	<b>355.37</b>	
	<b>CE060012F</b>	green	6.0	cord-end terminal	3.5	20.0	12.0	500	<b>408.27</b>	
	<b>CE100012F</b>	brown	10.0	cord-end terminal	4.5	22.0	12.0	500	<b>501.42</b>	
	<b>CE160012F</b>	ivory	16.0	cord-end terminal	5.8	24.0	12.0	500	<b>704.98</b>	
	<b>CE250016F</b>	black	25.0	cord-end terminal	7.3	30.0	16.0	500	<b>845.28</b>	
	<b>Category-M</b>									
	<b>Crimping tools for pre-insulated terminals</b>									
	<b>Jeesoon</b> - Crimping tool for pre-insulated terminals									
	<ul style="list-style-type: none"> <li>• Light weight, low handle force and optimum opening for comfortable crimping</li> <li>• Crimping profiles for different wire cross-sections (<i>red/blue/yellow</i>)</li> <li>• Ergonomically designed non-slip moulded plastic grips</li> <li>• With ratchet closing control</li> </ul>									
	<b>JSL 1305-1</b>	universal crimping tool for: red / blue / yellow pre-insulated terminals								
	<b>Z&amp;F</b> - Crimping tool for pre-insulated terminals									
	<ul style="list-style-type: none"> <li>• Light weight, low handle force and optimum opening for comfortable crimping</li> <li>• Crimping tool for PVC, PC and DPA insulated lugs, with ratchet closing control</li> <li>• Crimping profiles for different wire cross-sections (<i>red/blue/yellow</i>)</li> <li>• Non-slip rubber grip pad for applying pressure against a surface</li> </ul>									
	<b>Crimpit IT6L</b>	universal high quality "made in Germany" crimping tool for pre-insulated terminals								

see page  
M-3 for  
info



ANE3-M8



ANE3-U5



ANE7-P20



HNN4

### 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)
- Conformity: UNI EN 13600:2003

#### General features

- ANE-M lugs are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.
- The interior of the PA6.6 insulation sleeve is funnel shaped so as to ensure complete and easy introduction of the conductor strands.
- The PA6.6 insulated sleeve eliminates the need to insulate the terminal by either taping or using heat shrinkable tubes. Furthermore the PA6.6 sleeve avoids the possibility of conductor breakage at the barrel entrance.

type	cable (mm <sup>2</sup> )	Ø stud (mm)	palm width (mm)	description	std pack qty	price per pack
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#### ANE-M series - Insulated crimping lugs

ANE2-M4	10	4.3	10	heavy duty ins. ring lug	100	1 519.20
ANE2-M5	10	5.3	10	heavy duty ins. ring lug	100	1 468.60
ANE2-M6	10	6.4	11	heavy duty ins. ring lug	100	1 519.20
ANE2-M8	10	8.4	15	heavy duty ins. ring lug	100	1 596.25
ANE3-M4	16	4.3	11.5	heavy duty ins. ring lug	100	1 596.25
ANE3-M5	16	5.3	11.5	heavy duty ins. ring lug	100	1 596.25
ANE3-M6	16	6.4	11.5	heavy duty ins. ring lug	100	1 596.25
ANE3-M8	16	8.4	15	heavy duty ins. ring lug	100	1 620.41
ANE5-M5	25	5.3	14	heavy duty ins. ring lug	100	2 187.37
ANE5-M6	25	6.4	14	heavy duty ins. ring lug	100	2 187.37
ANE5-M8	25	8.4	15	heavy duty ins. ring lug	100	2 211.52
ANE5-M10	25	10.5	18	heavy duty ins. ring lug	100	2 342.63
ANE7-M6	35	6.4	17	heavy duty ins. ring lug	50	1 497.35
ANE7-M8	35	8.4	17	heavy duty ins. ring lug	50	1 508.85
ANE7-M10	35	10.5	19	heavy duty ins. ring lug	50	1 623.86
ANE7-M12	35	13.2	21	heavy duty ins. ring lug	50	2 021.77
ANE10-M6	50	6.4	19	heavy duty ins. ring lug	50	1 930.92
ANE10-M8	50	8.4	19	heavy duty ins. ring lug	50	2 034.42
ANE10-M10	50	10.5	20	heavy duty ins. ring lug	50	2 136.77
ANE10-M12	50	13.2	21	heavy duty ins. ring lug	50	2 160.92

#### ANE-U series - Insulated fork lugs

ANE2-U4	10	4.3	9.8	heavy ins. duty fork lug	100	1 468.60
ANE2-U5	10	5.3	11.5	heavy ins. duty fork lug	100	1 519.20
ANE3-U4	16	4.3	10.0	heavy ins. duty fork lug	100	1 620.41
ANE3-U5	16	5.3	11.5	heavy ins. duty fork lug	100	1 620.41

#### ANE-P series - Insulated pin lugs

ANE2-P12	10	L-14.5	4.3	heavy duty pin lug	100	1 519.20
ANE3-P14	16	L-18.0	5.5	heavy duty pin lug	100	1 596.25
ANE5-P16	25	L-20.3	7.0	heavy duty pin lug	100	2 571.49
ANE7-P20	35	L-25.3	8.0	heavy duty pin lug	50	1 919.42

#### Category-M

### Cembre - Crimpstar range - Ratchet crimping tools

HNN ratchet controlled tools in the Crimpstar range, are compact, lightweight and easy to use.

#### General features:

- High precision investment cast jaws
- Toggle action leverage to reduce operator effort
- Ergonomically designed non-slip moulded plastic grips
- Ratchet controlled to ensure precise and consistent crimping
- Emergency release lever (releases jaws before completion of crimp)
- Factory-set ratchet for crimping control (automatic release on completion of crimping operation)

see page  
M-3 for  
pricing.

type	for terminals	conductor (mm <sup>2</sup> )	cable entry	description	price
HNN3	insulated	1.5 to 10	side	manual indent ratchet crimping tool	
HNN4	insulated	10 to 16	side	manual indent ratchet crimping tool	

### 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 <sup>2</sup> )	Ø stud (mm)	palm width (mm)	description	std pack qty	price per pack
<b>A03-M4</b>	1.5	4.3	6.5	heavy duty crimping lug	100	<b>361.12</b>
<b>A03-M5</b>	1.5	5.3	7.5	heavy duty crimping lug	100	<b>340.42</b>
<b>A03-M6</b>	1.5	6.4	9.0	heavy duty crimping lug	100	<b>351.92</b>
<b>A06-M4</b>	2.5	4.3	7.5	heavy duty crimping lug	100	<b>386.42</b>
<b>A06-M5</b>	2.5	5.3	8.5	heavy duty crimping lug	100	<b>395.62</b>
<b>A06-M6</b>	2.5	6.4	9.0	heavy duty crimping lug	100	<b>403.67</b>
<b>A1-M4</b>	4-6	4.3	8.0	heavy duty crimping lug	100	<b>626.77</b>
<b>A1-M5</b>	4-6	5.3	9.0	heavy duty crimping lug	100	<b>652.08</b>
<b>A1-M6</b>	4-6	6.4	11.0	heavy duty crimping lug	100	<b>652.08</b>
<b>A2-M4</b>	10	4.3	10	heavy duty crimping lug	100	<b>584.22</b>
<b>A2-M5</b>	10	5.3	10	heavy duty crimping lug	100	<b>549.72</b>
<b>A2-M6</b>	10	6.4	11	heavy duty crimping lug	100	<b>515.22</b>
<b>A2-M8</b>	10	8.4	15	heavy duty crimping lug	100	<b>609.52</b>
<b>A3-M4</b>	16	4.3	11.5	heavy duty crimping lug	100	<b>686.58</b>
<b>A3-M5</b>	16	5.3	11.5	heavy duty crimping lug	100	<b>686.58</b>
<b>A3-M6</b>	16	6.4	11.5	heavy duty crimping lug	100	<b>644.03</b>
<b>A3-M8</b>	16	8.4	15	heavy duty crimping lug	100	<b>678.53</b>
<b>A5-M6</b>	25	6.4	14	heavy duty crimping lug	100	<b>876.33</b>
<b>A5-M8</b>	25	8.4	15	heavy duty crimping lug	100	<b>876.33</b>
<b>A5-M10</b>	25	10.5	18	heavy duty crimping lug	100	<b>978.69</b>
<b>A5-M12</b>	25	13.2	21	heavy duty crimping lug	100	<b>1 115.54</b>
<b>A7-M6</b>	35	6.4	17	heavy duty crimping lug	100	<b>1 355.90</b>
<b>A7-M8</b>	35	8.4	17	heavy duty crimping lug	100	<b>1 389.25</b>
<b>A7-M10</b>	35	10.5	19	heavy duty crimping lug	100	<b>1 441.00</b>
<b>A7-M12</b>	35	13.2	21	heavy duty crimping lug	50	<b>857.93</b>
<b>A10-M6</b>	50	6.4	19	heavy duty crimping lug	50	<b>917.73</b>
<b>A10-M8</b>	50	8.4	19	heavy duty crimping lug	50	<b>938.43</b>
<b>A10-M10</b>	50	10.5	20	heavy duty crimping lug	50	<b>938.43</b>
<b>A10-M12</b>	50	13.2	21	heavy duty crimping lug	50	<b>1 083.34</b>
<b>A14-M8</b>	70	8.4	21	heavy duty crimping lug	50	<b>1 204.09</b>
<b>A14-M10</b>	70	10.5	21	heavy duty crimping lug	50	<b>1 304.15</b>
<b>A14-M12</b>	70	13.2	22	heavy duty crimping lug	50	<b>1 424.90</b>
<b>A14-M16</b>	70	17.0	26	heavy duty crimping lug	50	<b>1 553.70</b>
<b>A19-M10</b>	95	10.5	25	heavy duty crimping lug	25	<b>969.49</b>
<b>A19-M12</b>	95	13.2	25	heavy duty crimping lug	25	<b>955.68</b>
<b>A19-M16</b>	95	17.0	27	heavy duty crimping lug	25	<b>1 282.30</b>
<b>A24-M10</b>	120	10.5	28.5	heavy duty crimping lug	25	<b>1 235.14</b>
<b>A24-M12</b>	120	13.2	28.5	heavy duty crimping lug	25	<b>1 205.24</b>
<b>A24-M16</b>	120	17.0	28.5	heavy duty crimping lug	25	<b>1 591.65</b>
<b>A30-M10</b>	150	10.5	31.5	heavy duty crimping lug	25	<b>1 933.22</b>
<b>A30-M12</b>	150	13.2	31.5	heavy duty crimping lug	25	<b>1 667.56</b>
<b>A30-M16</b>	150	17.0	31.5	heavy duty crimping lug	25	<b>2 228.77</b>
<b>A37-M10</b>	185	10.5	35.5	heavy duty crimping lug	15	<b>1 673.31</b>
<b>A37-M12</b>	185	13.2	35.5	heavy duty crimping lug	15	<b>1 542.20</b>
<b>A37-M16</b>	185	17.0	35.5	heavy duty crimping lug	15	<b>1 928.62</b>
<b>A48-M12</b>	240	13.2	39	heavy duty crimping lug	10	<b>1 355.90</b>
<b>A48-M16</b>	240	17.0	39	heavy duty crimping lug	10	<b>1 698.61</b>
<b>A48-M20</b>	240	21.0	39	heavy duty crimping lug	10	<b>1 875.71</b>

### 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.

						price per lug
<b>A19B-M8/15.5</b>	95	M8	15.5	contained palm cable lug	25	<b>77.06</b>
<b>A24B-M8/19</b>	120	M8	19.0	contained palm cable lug	25	<b>154.11</b>
<b>A30B-M8/19</b>	150	M8	19.0	contained palm cable lug	25	<b>189.76</b>
<b>A37B-M10/24.5</b>	185	M10	24.5	contained palm cable lug	15	<b>209.31</b>
<b>A48-M10/31</b>	240	M10	31.0	contained palm cable lug	10	<b>273.71</b>



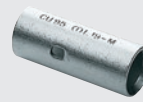




L10-M



L14-M



L19-M

**L-M series - Uninsulated through connectors (ferrules)**

**General features:**

L-M range of connectors are designed for jointing low voltage conductors. Are electrolytically tin plated with a minimum thickness of 3µm to avoid oxidation

These connectors are annealed to guarantee optimum ductility which is an absolute necessity for connectors which will have to withstand the severe deformation arising when compressed and any bending of the palm during installation.

They feature an internal taper at both ends to ease the introduction of the conductor and a central stop to ensure correct positioning.

Manufactured from electrolytic copper tube Cu-OF CW008A conform to UNI EN 13600:2013

type	cable (mm <sup>2</sup> )	length (mm)	description	pack qty	price
<b>L03-M</b>	1.5	L-15	heavy duty uninsulated crimp ferrules	100	<b>287.51</b>
<b>L06-M</b>	2.5	L-15	heavy duty uninsulated crimp ferrules	100	<b>328.92</b>
<b>L1-M</b>	4 - 6	L-22	heavy duty uninsulated crimp ferrules	100	<b>473.82</b>
<b>L2-M</b>	10	L-25	heavy duty uninsulated crimp ferrules	100	<b>925.78</b>
<b>L3-M</b>	16	L-27	heavy duty uninsulated crimp ferrules	100	<b>972.94</b>
<b>L5-M</b>	25	L-29	heavy duty uninsulated crimp ferrules	100	<b>1 320.25</b>
<b>L7-M</b>	35	L-33	heavy duty uninsulated crimp ferrules	100	<b>2 089.62</b>
<b>L10-M</b>	50	L-37	heavy duty uninsulated crimp ferrules	50	<b>1 369.70</b>
<b>L14-M</b>	70	L-39	heavy duty uninsulated crimp ferrules	50	<b>1 718.16</b>
<b>L19-M</b>	95	L-43	heavy duty uninsulated crimp ferrules	25	<b>1 346.70</b>
<b>L24-M</b>	120	L-47	heavy duty uninsulated crimp ferrules	25	<b>2 011.42</b>
<b>L30-M</b>	150	L-58	heavy duty uninsulated crimp ferrules	25	<b>2 760.09</b>
<b>L37-M</b>	185	L-64	heavy duty uninsulated crimp ferrules	15	<b>3 779.02</b>
<b>L48-M</b>	240	L-75	heavy duty uninsulated crimp ferrules	10	<b>3 312.11</b>

**Category-M**

**Hydraulic crimping / cutting tools**

type	for terminals	conductor (mm <sup>2</sup> )	crimping force (kN)	description	price
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**HT 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°

**HT45 - Compact hydraulic crimping tool**

Lightweight and compact, this tool is ideal for the compression of connectors on over head lines and other general applications.

Having the benefit of spring loaded handles, the dies can be advanced using only one hand; therefore leaving the other hand free to position the connector.

<b>HT45-E</b>	die dependant	max. 150	50 kN	hydraulic crimping tool	
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**HT51 - Two 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

<b>KITHT51-1</b>	die dependant	max. 240	50 kN	hydraulic crimping tool	
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**HT131 - Hydraulic crimping tool for semi-circular slotted dies**

Self contained, robust and sturdy, will accept all semicircular slotted dies, common to most 130 kN tools. The tool features a double speed action: a fast advancing speed for rapid approach of the dies to the connector and a slower more powerful speed for crimping.

For ease of operation and comfort of the operator the tool head can be fully rotated through 180 degrees. The built-in safety valve will by-pass the oil supply when the maximum pressure is reached, and the pressure release system can easily be operated at any stage of compression.

• **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

<b>KITHT131-C-1</b>	die dependant	max. 400	130 kN	hydraulic crimping tool	
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HT45-E



KITHT51-1

see page M-5 for pricing.



**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	thread size	thread length	compress area (mm)	colour	description	price
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**M - Metric thread cable glands (supplied with locknut)**

PMGB12-5	M12	8.5 mm	3-5.5	light grey	Metric compression gland	2.19
PMGB16-7	M16	10 mm	3-7	light grey	Metric compression gland	2.77
PMGB18-10	M18	10 mm	6-10	light grey	Metric compression gland	3.57
PMGB20-13.5	M20	10 mm	9-14	light grey	Metric compression gland	6.10
PMGB25-18	M25	12 mm	13-18	light grey	Metric compression gland	8.52
PMGB32-25	M32	12 mm	18-25	light grey	Metric compression gland	15.88
PMGB40-32	M40	15 mm	24-32	light grey	Metric compression gland	23.35
PMGB50-41	M50	15 mm	31-41	light grey	Metric compression gland	30.49
PMGB63-45	M63	18 mm	35-45	light grey	Metric compression gland	36.81
PMGB12-5B	M12	8.5 mm	3-6.5	black	Metric compression gland	2.19
PMGB16-7B	M16	10 mm	4-8	black	Metric compression gland	2.77
PMGB18-10B	M18	10 mm	6-10	black	Metric compression gland	3.57
PMGB20-13.5B	M20	10 mm	9-14	black	Metric compression gland	6.10
PMGB25-18B	M25	12 mm	13-18	black	Metric compression gland	8.52
PMGB32-25B	M32	12 mm	18-25	black	Metric compression gland	15.88
PMGB40-32B	M40	15 mm	26-31	black	Metric compression gland	23.35
PMGB50-41B	M50	15 mm	26-31	black	Metric compression gland	30.49
PMGB63-45B	M63	18 mm	35-45	black	Metric compression gland	36.81

**PG - thread cable glands (supplied with locknut)**

PPGB7-5B	12.5	8 mm	3-5.5	black	PG compression gland	1.84
PPGB9-8B	15.2	8 mm	4-8	black	PG compression gland	2.53
PPGB11-10B	18.6	10 mm	6-10	black	PG compression gland	3.11
PPGB13.5-12B	20.4	10 mm	7-12.5	black	PG compression gland	3.34
PPGB16-11B	22.5	11 mm	6-11	black	PG compression gland	4.61
PPGB19-14B	24	11 mm	8.5-14	black	PG compression gland	5.98
PPGB21-18B	28.3	12 mm	12-18	black	PG compression gland	7.59

**Metal cable glands (supplied with locknut)**

Thread: Metric  
 Protection degree: IP68-10  
 Material: body: Nickel plated brass  
 seal: Nylon PA66, EPDM rubber  
 Ambient temperature: -40°C...+100°C (instantaneous heat resistance up to 120°C)

MGM8-4.5	M8	4 mm	3-4.5	nickel	metal compression gland	17.14
MGM12-6.5	M12	6.5 mm	3-6.5	nickel	metal compression gland	17.37
MGM16-8	M16	8 mm	4-8	nickel	metal compression gland	24.50
MGM18-10	M18	8 mm	5-10	nickel	metal compression gland	28.87
MGM20-12	M20	8 mm	6-12	nickel	metal compression gland	32.43
MGM20-12L	M20	11 mm	6-12	nickel	metal compression gland	34.16
MGM22-14	M22	8 mm	10-14	nickel	metal compression gland	39.11
MGM25-16	M25	9 mm	10-16	nickel	metal compression gland	59.81
MGM25-16L	M25	11 mm	10-16	nickel	metal compression gland	60.96
MGM32-22	M32	10 mm	15-22	nickel	metal compression gland	87.41
MGM40-30	M40	11 mm	22-30	nickel	metal compression gland	147.21
MGM50-38	M50	13 mm	32-38	nickel	metal compression gland	273.71
MGM63-44	M63	14 mm	37-44	nickel	metal compression gland	453.12

**Stainless steel 316 (supplied with locknut)**

Thread: Metric  
 Protection degree : IP68-10  
 Material: body: Stainless steel 316  
 seal: Nylon PA66, EPDM rubber  
 Ambient temperature: -50°C...+180°C

SSM12-6.5	M12	6.5 mm	3-6.5	S/S	stainless steel gland	82.81
SSM16-08	M16	8 mm	4-8	S/S	stainless steel gland	117.31
SSM20-12	M20	8 mm	6-12	S/S	stainless steel gland	143.76
SSM25-16	M25	9 mm	10-16	S/S	stainless steel gland	251.86
SSM32-22	M32	10 mm	15-22	S/S	stainless steel gland	396.77

	type	thread size	thread length	compress area (mm)	colour	description	price	
 <p>PSRM16-P-10B</p>  <p>PPGA20-E-14B</p>  <p>WLCM20S-7B</p>  <p>PLNM16B</p>  <p>EAM16/M20H</p>  <p>RAM32/M25H</p>  <p>PHPM20B</p>	<b>Strain relief cable glands</b>		<i>(supplied with locknut)</i>		<b>IP68-10</b>			
	Material:		Nylon PA66 UL approved (Flammability UL94V-2)					
	PSRM12-P-7B	M12	8.5mm	4-7	black	nylon strain relief gland	<b>20.93</b>	
	PSRM16-P-10B	M16	10 mm	6-10	black	nylon strain relief gland	<b>25.42</b>	
	PSRM20S-P-12B	M20	10 mm	6-12.5	black	nylon strain relief gland	<b>30.94</b>	
	<b>90° Degree cable glands</b>		<i>(supplied with locknut)</i>					
	Material:		Nylon PA66 UL approved (Flammability UL94V-2)					
	PPGA16-E-08B	M16	10mm	4-7	black	90° compression gland	<b>39.11</b>	
	PPGA20-E-14B	M20	15mm	9-14	black	90° compression gland	<b>54.06</b>	
	PPGA25-E-18B	M25	15mm	13-18	black	90° compression gland	<b>82.81</b>	
PPGA32-E-25B	M32	15mm	18-25	black	90° compression gland	<b>97.76</b>		
<b>Waterproof in-line connector</b>				<b>IP68-10</b>				
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	<b>87.41</b>		
WLCM20S-11B	M20	3 pole	6-11	black	waterproof connector	<b>94.31</b>		
WLCM25-16B	M25	4 pole	10-16	black	waterproof connector	<b>141.46</b>		
WLCM25-18B	M25	4 pole	13-19	black	waterproof connector	<b>141.46</b>		
<b>Cable glands accessories</b>								
<b>Plastic locknuts (metric)</b>		<i>(spares)</i>						
PLNM12B	M12	locknut	-	black	nylon metric locknut only	<b>1.04</b>		
PLNM16B	M16	locknut	-	black	nylon metric locknut only	<b>1.62</b>		
PLNM20B	M20	locknut	-	black	nylon metric locknut only	<b>2.19</b>		
PLNM22B	M22	locknut	-	black	nylon metric locknut only	<b>2.53</b>		
PLNM25B	M25	locknut	-	black	nylon metric locknut only	<b>3.23</b>		
PLNM32B	M32	locknut	-	black	nylon metric locknut only	<b>5.19</b>		
PLNM40B	M40	locknut	-	black	nylon metric locknut only	<b>8.64</b>		
PLNM50B	M50	locknut	-	black	nylon metric locknut only	<b>12.43</b>		
PLNM63B	M63	locknut	-	black	nylon metric locknut only	<b>14.96</b>		
<b>Adaptors (metallic)</b>		<b>enlargers / reducers</b>						
type	from male	to female	thread length	colour	description	price		
<b>Nickel plate</b>								
EAM12/M16H	M12	M16	6 mm	nickel	M enlargement adaptors	<b>40.26</b>		
EAM16/M20H	M16	M20	6 mm	nickel	M enlargement adaptors	<b>47.16</b>		
EAM20/M25H	M20	M25	6.5 mm	nickel	M enlargement adaptors	<b>63.26</b>		
EAM25/M32H	M25	M32	7.5 mm	nickel	M enlargement adaptors	<b>105.81</b>		
EAM32/M40H	M32	M40	8 mm	nickel	M enlargement adaptors	<b>158.71</b>		
EAM40/M50H	M40	M50	9 mm	nickel	M enlargement adaptors	<b>197.81</b>		
RAM16/M12H	M16	M12	6 mm	nickel	M reduction adaptors	<b>15.99</b>		
RAM20/M16H	M20	M16	6 mm	nickel	M reduction adaptors	<b>26.57</b>		
RAM25/M20H	M25	M20	6.5 mm	nickel	M reduction adaptors	<b>43.71</b>		
RAM32/M25H	M32	M25	7.5 mm	nickel	M reduction adaptors	<b>79.36</b>		
RAM40/M32H	M40	M32	8 mm	nickel	M reduction adaptors	<b>109.26</b>		
RAM50/M40H	M50	M40	9 mm	nickel	M reduction adaptors	<b>195.51</b>		
<b>Nylon blanking plugs</b>		<i>(supplied with locknut)</i>		<b>IP68</b>				
Material:		Nylon PA66 UL approved (Flammability UL94V-2)						
type	thread size	thread length	compress area (mm)	colour	description	price		
PHPM12B	M12	9.5 mm	-	black	screw-in blanking plugs	<b>3.68</b>		
PHPM16B	M16	10 mm	-	black	screw-in blanking plugs	<b>5.29</b>		
PHPM20B	M20	11 mm	-	black	screw-in blanking plugs	<b>7.59</b>		
PHPM22B	M22	11 mm	-	black	screw-in blanking plugs	<b>9.09</b>		
PHPM25B	M25	11 mm	-	black	screw-in blanking plugs	<b>11.28</b>		
PHPM32B	M32	11 mm	-	black	screw-in blanking plugs	<b>18.06</b>		
PHPM40B	M40	12 mm	-	black	screw-in blanking plugs	<b>31.52</b>		
PHPM50B	M50	12 mm	-	black	screw-in blanking plugs	<b>43.71</b>		
PHPM63B	M63	12 mm	-	black	screw-in blanking plugs	<b>52.91</b>		



**Corrugated Conduit (flexible)**

Product material: Polypropylene  
 Ambient temperature: -40°C...+120°C (*instantaneous heat resistance up to 140°C*)  
 Features: High flexibility, twist resistance, good bending performance, can withstand heavy loads; acid resistant, lubricants, coolant, etc.,  
 Applications: Machinery manufacturing, insulation protection, lighting, automobile manufacturing, aviation equipment, subway, train, automation control and other industries.

type	IDØ (mm)	colour	ODØ (mm)	description	meters (per roll)	price (per roll)
AD13.0	10	black	13.0	plastic convoluted tubing	25	147.21
AD15.8	12	black	15.8	plastic convoluted tubing	25	165.61
AD21.2	17	black	21.2	plastic convoluted tubing	25	219.66
AD25.0	20	black	25.0	plastic convoluted tubing	25	310.51
AD34.5	29	black	34.5	plastic convoluted tubing	25	492.22
AD42.5	36	black	42.5	plastic convoluted tubing	25	772.83
AD54.5	48	black	54.5	plastic convoluted tubing	25	1 332.90

**Mounting accessories - for above corrugated conduit**

Support bracket - for corrugated conduit				PA (Polyamide)	for conduit	
PJ-VH-13.0	-	black	holder	support bracket for conduit	AD-13	12.19
PJ-VH-15.8	-	black	holder	support bracket for conduit	AD15.8	13.69
PJ-VH-21.2	-	black	holder	support bracket for conduit	AD21.2	17.48
PJ-VH-25.0	-	black	holder	support bracket for conduit	AD25	20.48
PJ-VH-34.5	-	black	holder	support bracket for conduit	AD34.5	33.58
PJ-VH-42.5	-	black	holder	support bracket for conduit	AD42.5	39.11
PJ-VH-54.5	-	black	holder	support bracket for conduit	AD54.5	49.46

**Quick connectors - through hole mounting**

PA66

QCM12-AD13	M12	black	straight	quick connect connector	AD-13	9.21
QCM16-AD15.8	M16	black	straight	quick connect connector	AD15.8	10.70
QCM20-AD15.8	M20	black	straight	quick connect connector	AD15.8	11.73
QCM20-AD21.2	M20	black	straight	quick connect connector	AD21.2	12.88
QCM25-AD25	M25	black	straight	quick connect connector	AD25	13.69
QCM32-AD34.5	M32	black	straight	quick connect connector	AD34.5	19.67
QCM40-AD42.5	M40	black	straight	quick connect connector	AD42.5	27.04
QCM50-AD54.5	M50	black	straight	quick connect connector	AD54.5	47.16
QCM63-AD54.5	M63	black	straight	quick connect connector	AD54.5	47.16
EQCM16-AD13	M16	black	90°	elbow quick connector	AD-13	22.78
EQCM20-AD21.2	M20	black	90°	elbow quick connector	AD-21.2	31.86
EQCM25-AD28.5	M25	black	90°	elbow quick connector	AD28.5	37.96
EQCM32-AD34.5	M32	black	90°	elbow quick connector	AD34.5	51.76
EQCM40-AD42.5	M40	black	90°	elbow quick connector	AD42.5	73.61
EQCM50-AD54.5	M50	black	90°	elbow quick connector	AD54.5	103.51

**Weatherproof connectors - through hole mounting IP68**

PA66

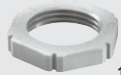
WCTM16-AD13	M16	black	straight	weatherproof connector	AD-13	14.49
WCTM20-AD15.8	M20	black	straight	weatherproof connector	AD15.8	19.78
WCTM20-AD21.2	M20	black	straight	weatherproof connector	AD21.2	24.27
WCTM25-AD25	M25	black	straight	weatherproof connector	AD25	28.87
WCTM32-AD34.5	M32	black	straight	weatherproof connector	AD34.5	39.11
WCTM40-AD42.5	M40	black	straight	weatherproof connector	AD42.5	64.41
WCTM50-AD54.5	M50	black	straight	weatherproof connector	AD54.5	102.36
WCTM63-AD54.5	M63	black	straight	weatherproof connector	AD54.5	117.31
EWCM16-AD13	M16	black	90°	weatherproof connector	AD-13	54.06
EWCM20-AD15.8	M20	black	90°	weatherproof connector	AD15.8	74.76
EWCM20-AD21.2	M20	black	90°	weatherproof connector	AD21.2	102.36
EWCM25-AD25	M25	black	90°	weatherproof connector	AD25	109.26
EWCM32-AD34.5	M32	black	90°	weatherproof connector	AD34.5	125.36
EWCM40-AD42.5	M40	black	90°	weatherproof connector	AD42.5	152.96

**Spiral wrapping band (HDPE (Heavy-Duty Polyethylene))**

type	IDØ (mm)	colour	ODØ (mm)	bundle Ø max. (mm)	description	meters (per roll)	price (per roll)
Ambient temperature:		-50°C...+80°C					
Features:		Easy installation, no tools required, provides safe protection for cables, wires, hoses, & tubing, protects against abrasion, chafing, cuts, prevents tangling.					
PJ-SWB-06	4	black	6	4...20	spiral binding	10	21.97
PJ-SWB-12	9	black	12	9...65	spiral binding	10	56.36
PJ-SWB-19	15	black	19	15...120	spiral binding	10	158.71



10066413



10060773



10066123



10061783



10065003



10063144

Wiska **SPRINT** cable glands provide ultimate protection from environmental conditions  
 Suitable for extreme outdoor installations. -40°C...+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)			price
				(TL)	(L)	(SW)	

**ESKV light grey RAL 7035** • *Locknut to be ordered separately*

<b>10066410</b>	M12 X 1.5	3 - 7	compression gland ( <i>grey</i> )	29 - 43	9	16	<b>8.28</b>
<b>10066411</b>	M16 X 1.5	4.5 - 10	compression gland ( <i>grey</i> )	31 - 37	9	20	<b>8.40</b>
<b>10066412</b>	M20 X 1.5	6 - 13	compression gland ( <i>grey</i> )	36 - 45	10	24	<b>8.64</b>
<b>10066413</b>	M25 X 1.5	9 - 17	compression gland ( <i>grey</i> )	38 - 47	10	29	<b>13.00</b>
<b>10066414</b>	M32 X 1.5	13 - 21	compression gland ( <i>grey</i> )	42 - 51	12	36	<b>25.08</b>
<b>10066415</b>	M40 X 1.5	16 - 28	compression gland ( <i>grey</i> )	52 - 65	12	46	<b>59.81</b>
<b>10066416</b>	M50 X 1.5	21 - 35	compression gland ( <i>grey</i> )	59 - 72	14	55	<b>90.86</b>
<b>10066417</b>	M63 X 1.5	34 - 48	compression gland ( <i>grey</i> )	64 - 78	15	68	<b>147.21</b>

**EMUG locknuts for above**

Material: *Light grey Polyamide/glassfibre reinforced*

<b>10060770</b>	M12 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	18	<b>1.62</b>
<b>10060771</b>	M16 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	22	<b>1.74</b>
<b>10060772</b>	M20 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	27	<b>1.74</b>
<b>10060773</b>	M25 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	32	<b>2.53</b>
<b>10060774</b>	M32 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	40	<b>3.46</b>
<b>10060775</b>	M40 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	50	<b>7.71</b>
<b>10060776</b>	M50 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	60	<b>10.36</b>
<b>10060777</b>	M63 x 1.5	-	gland locknut ( <i>grey</i> )	-	-	75	<b>17.26</b>

**ESKV black RAL 9005** • *Locknut to be ordered separately*

<b>10066120</b>	M12 x 1.5	3 - 7	compression gland ( <i>black</i> )	29 - 43	9	16	<b>8.28</b>
<b>10066121</b>	M16 x 1.5	4.5 - 10	compression gland ( <i>black</i> )	31 - 37	9	20	<b>8.40</b>
<b>10066122</b>	M20 x 1.5	6 - 13	compression gland ( <i>black</i> )	36 - 45	10	24	<b>8.64</b>
<b>10066123</b>	M25 x 1.5	9 - 17	compression gland ( <i>black</i> )	38 - 47	10	29	<b>13.00</b>
<b>10066124</b>	M32 x 1.5	13 - 21	compression gland ( <i>black</i> )	42 - 51	12	36	<b>25.08</b>
<b>10066125</b>	M40 x 1.5	16 - 28	compression gland ( <i>black</i> )	52 - 65	12	46	<b>85.11</b>
<b>10066126</b>	M50 x 1.5	21 - 35	compression gland ( <i>black</i> )	59 - 72	14	55	<b>90.86</b>
<b>10066127</b>	M63 x 1.5	34 - 48	compression gland ( <i>black</i> )	64 - 78	15	68	<b>203.56</b>

**EMUG locknuts for above**

Material: *Black polyamide/glassfibre reinforced*

<b>10061780</b>	M12 x 1.5	-	gland locknut ( <i>black</i> )	-	-	18	<b>1.62</b>
<b>10061781</b>	M16 x 1.5	-	gland locknut ( <i>black</i> )	-	-	22	<b>1.74</b>
<b>10061782</b>	M20 x 1.5	-	gland locknut ( <i>black</i> )	-	-	27	<b>1.74</b>
<b>10061783</b>	M25 x 1.5	-	gland locknut ( <i>black</i> )	-	-	32	<b>2.53</b>
<b>10061784</b>	M32 x 1.5	-	gland locknut ( <i>black</i> )	-	-	40	<b>3.46</b>
<b>10061785</b>	M40 x 1.5	-	gland locknut ( <i>black</i> )	-	-	50	<b>16.57</b>
<b>10061786</b>	M50 x 1.5	-	gland locknut ( <i>black</i> )	-	-	60	<b>28.76</b>
<b>10061787</b>	M63 x 1.5	-	gland locknut ( <i>black</i> )	-	-	75	<b>37.96</b>

**EMSKV Metal cable glands** • *Locknut to be ordered separately*

Material:	Cable gland:	thread diameter	compress area (mm)	description	polyamide			price
					(TL)	(L)	(SW)	
<b>10065000</b>	M12 x 1.5	3 - 7	metal compression gland	23 - 30	5	16	<b>50.61</b>	
<b>10065001</b>	M16 x 1.5	4.5 - 10	metal compression gland	26 - 34	5	20	<b>63.26</b>	
<b>10065002</b>	M20 x 1.5	6 - 13	metal compression gland	29 - 37	6	24	<b>75.91</b>	
<b>10065003</b>	M25 x 1.5	9 - 17	metal compression gland	33 - 42	7	29	<b>118.46</b>	
<b>10065004</b>	M32 x 1.5	13 - 21	metal compression gland	36 - 44	8	36	<b>195.51</b>	
<b>10065005</b>	M40 x 1.5	16 - 28	metal compression gland	44 - 55	8	46	<b>366.87</b>	
<b>10065006</b>	M50 x 1.5	21 - 35	metal compression gland	51 - 62	9	55	<b>579.62</b>	
<b>10065007</b>	M63 x 1.5	34 - 48	metal compression gland	56 - 67	10	68	<b>1 104.04</b>	

**EMMU locknuts for above**

Material: *Nickle-plated brass*

<b>10063141</b>	M12 x 1.5	-	metal gland locknut	-	-	15	<b>4.04</b>
<b>10063142</b>	M16 x 1.5	-	metal gland locknut	-	-	19	<b>5.41</b>
<b>10063143</b>	M20 x 1.5	-	metal gland locknut	-	-	24	<b>6.56</b>
<b>10063144</b>	M25 x 1.5	-	metal gland locknut	-	-	30	<b>10.70</b>
<b>10063145</b>	M32 x 1.5	-	metal gland locknut	-	-	36	<b>16.33</b>
<b>10063146</b>	M40 x 1.5	-	metal gland locknut	-	-	46	<b>27.04</b>
<b>10063147</b>	M50 x 1.5	-	metal gland locknut	-	-	60	<b>58.66</b>
<b>10063148</b>	M63 x 1.5	-	metal gland locknut	-	-	70	<b>87.41</b>



10062...



10064...



10063573



10063582



10063664

**Cable gland accessories**

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)	price
<b>Reduction sealing inserts</b> <i>for reduced cable diameters with existing gland</i>						
• Material:		EPDM				
• IP rating:		IP68				
• Operating temperature:		-40°C...100°C				
10062183	RDE 12	M12	1 - 3	gland reduction sealing inserts	-	5.41
10062184	RDE 16	M16	2 - 6	gland reduction sealing inserts	-	6.10
10062185	RDE 20	M20	4 - 8	gland reduction sealing inserts	-	6.22
10060768	RDE 25	M25	7 - 12	gland reduction sealing inserts	-	8.06
10062186	RDE 32	M32	9 - 14	gland reduction sealing inserts	-	18.06
10062187	RDE 40	M40	12 - 20	gland reduction sealing inserts	-	42.56
<b>Blind plugs for glands</b> <i>for seal tight of unused cable inlets or multiple sealing inserts</i>						
• Material:		Polyamide				
• Operating temperature:		-60°C ...100°C				
10064000	BS 2	2 mm		gland blind plugs	12	12.09
10064002	BS 4	4 mm		gland blind plugs	12	12.09
10064004	BS 6	6 mm		gland blind plugs	16	12.09
10064005	BS 7	7 mm		gland blind plugs	16	5.29
10064008	BS 10	10 mm		gland blind plugs	16	5.64
10064010	BS 13	13 mm		gland blind plugs	22	6.10
10064012	BS 17	17 mm		gland blind plugs	22	6.56
10064014	BS 21	21 mm		gland blind plugs	22	13.81
<b>Adaptors (Plastic)</b>						
• Glow wire test		650 °C				
• Colour		RAL 7035				
• Temperature range:		-40°C...100°C				
• Material:		Polyamide, reinforced glass fibre				
type	model	from male	to female	description	TL (mm)	price
<b>Enlargement adaptors</b> <b>metric - metric</b>						
10063570	KEM 12/16	M12	M16	enlarge adaptor	27	11.16
10063571	KEM 16/20	M16	M20	enlarge adaptor	27	11.51
10063572	KEM 20/25	M20	M25	enlarge adaptor	27	14.39
10063573	KEM 25/32	M25	M32	enlarge adaptor	28	44.86
10063574	KEM 32/40	M32	M40	enlarge adaptor	30	64.41
10063575	KEM 40/50	M40	M50	enlarge adaptor	30	117.31
<b>Reduction adaptors</b> <b>metric - metric</b>						
10063577	KRM 16/12	M16	M12	reduction adaptor	16	9.79
10063579	KRM 20/16	M20	M16	reduction adaptor	17	10.94
10063582	KRM 25/20	M25	M20	reduction adaptor	17	17.60
10063584	KRM 32/20	M32	M20	reduction adaptor	19	33.58
10063585	KRM 32/25	M32	M25	reduction adaptor	19	33.58
10063588	KRM 40/32	M40	M32	reduction adaptor	19	65.56
10063591	KRM 50/40	M50	M40	reduction adaptor	21	88.56
<b>PG - metric adaptors</b>						
10063650	APM 7/12	PG 7	M12	metric - PG adaptor	27	12.66
10063653	APM 9/16	PG 9	M16	metric - PG adaptor	27	14.15
10063655	APM 11/16	PG 11	M16	metric - PG adaptor	27	14.96
10063659	APM 13.5/20	PG 13.5	M20	metric - PG adaptor	28	16.57
10063661	APM 16/20	PG 16	M20	metric - PG adaptor	28	17.37
10063662	APM 16/25	PG 16	M25	metric - PG adaptor	28	17.37
10063664	APM 21/25	PG 21	M25	metric - PG adaptor	30	20.48
10063667	APM 29/32	PG 29	M32	metric - PG adaptor	19	27.61
10063670	APM 36/40	PG 36	M40	metric - PG adaptor	21	74.76
10063673	APM 42/40	PG 42	M40	metric - PG adaptor	21	138.01



10102369



10060802



10101862



10108616



PVM8



MVM12

**Vent pressure equalization devices**

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.

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

Protection class: IP68/69  
 Temperature range: -40°C...+100°C

type	model	thread Ø	colour	air flow rate	description	dimensions (mm) (L) (th/L) (SW)			price
<b>Polyamide</b>									
10102369	EVPS 12	M12	grey	22 l/h	vent plug device	17.4	8	16	49.46
10106591	EVPS 20	M20	grey	110 l/h	vent plug device	15.4	9	24	148.36
10106593	EVPS 40	M40	grey	660 l/h	vent plug device	15.4	9	46	333.52

**Venting gland (pressure equalization for sealed enclosures) IP68, IP69**

**VentGLAND (compression gland and pressure equalisation element in one)**

type	model	thread Ø	colour	air flow rate	description	compress area (mm)	dimensions (mm) (L) (th/L) (SW)			price
<b>Polyamide</b>										
10060974	ESVG 20	M20	grey	42 l/h	vent gland	6 - 13	41-50	10	24	357.67
10100666	ESVG 25	M25	grey	65 l/h	vent gland	9 - 17	45-54	10	29	486.47
10100801	ESVG 32	M32	grey	115 l/h	vent gland	13 - 21	49-58	12	36	676.23
10060802	ESVG 20	M20	black	42 l/h	vent gland	6 - 13	41-50	10	24	357.67
10100667	ESVG 25	M25	black	65 l/h	vent gland	9 - 17	45-54	10	29	486.47
10100802	ESVG 32	M32	black	115 l/h	vent gland	13 - 21	49-58	12	36	676.23

**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...65°C

10101861	CLIXX 16	M16	grey	membrane cable entry	4.5-10	15	-	-	8.98
10101359	CLIXX 20	M20	grey	membrane cable entry	6-13	15	-	-	9.09
10101862	CLIXX 25	M25	grey	membrane cable entry	9-17	15	-	-	12.09

**MultiCLIXX multiple membrane entry with strain relief**

- Fast installation: Push in, insert, done – for maximum time saving
- Strain relief: According to EN 62444, Type A – for up to four cables at the same time

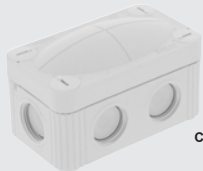
10108616	EMTZ	M32	grey	multiple membrane entry	4 - 12	12	9.5	-	48.31
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**Vent plugs (pressure equalisation for sealed enclosures) (IP68-10)**

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.

type	thread size	influent pressure	colour	mi/min P;7kpa	description	price
<b>Nylon PA66 - UL approved (Flammability UL94V-2)</b>						
PVM8	M8	>5 bar	light grey	>1200	screw-in vent plugs	17.60
PVM12	M12	>5 bar	light grey	>2200	screw-in vent plugs	17.60
PVM16	M16	>5 bar	light grey	>4600	screw-in vent plugs	41.41
PVM8B	M8	>5 bar	black	>1200	screw-in vent plugs	17.60
PVM12B	M12	>5 bar	black	>2200	screw-in vent plugs	17.60
PVM16B	M16	>5 bar	black	>4600	screw-in vent plugs	41.41
<b>Nickel plated brass</b>						
MVM8	M8	>5 bar	nickel	>1000	screw-in vent plugs	59.81
MVM12	M12	>5 bar	nickel	>2000	screw-in vent plugs	59.81
MVM16	M16	>5 bar	nickel	>3800	screw-in vent plugs	89.71



COMBI 206



COMBI 308



COMBI 407



COMBI 304



COMBI 116

### Junction boxes IP66/67

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

- **High-quality material** of the COMBI junction boxes is
- **UV- and Ozone resistant**, therefore suitable for inside as well as outside installation
- **Bellied cover** allows 10% more installation space
- Captive and rust-free **quick-release** lid screws
- Self-sealing **membranes on the rear** enable a clean assembly for cable outputs from the wall
- **Weather proof - ultraviolet resistant - shatterproof - impact resistant - flame retardant - halogen free**
- Protection: IP66 / IP67
- Material: Polypropylene, reinforced glass fibre, sealing: thermoplastic elastomer
- Temperature: -30°C...+100°C
- Glow wire test: 750°C
- Patented combination:
  - a) - Integrated thread for Metric cable gland entry without locknuts
  - b) - Elastic self-sealing puncture-membrane for cable entry on the sides and rear
- Mounting: Mounting holes located outside the sealing area but within the lid.
- Colour: RAL 7035 (*light grey*) or RAL 9005 (*black*)

type	cable entry sides	rear	thread Ø	colour	description	dimensions (mm)			price
						(H)	(W)	(D)	

#### Screw-on lid/cover IP66 - IP67 (when used with cable gland)

- Captive rust free quick release (1/4 turn) lid screws of plastic
- Combined threaded M20/membrane entries (407 and 1210 also have M25 knockouts)

COMBI	IP66/67	(captive - quick release lid screws)							
<b>10109569</b>	6	2	M20	■ grey	weatherproof junction box	85	49	51	<b>71.31</b>
<b>10109571</b>	6	2	M20	■ black	weatherproof junction box	85	49	51	<b>71.31</b>
<b>COMBI 308</b>	IP66/67	(captive - quick release lid screws)							
<b>10060400</b>	8	–	M20	■ grey	weatherproof junction box	85	85	51	<b>73.61</b>
<b>10060581</b>	8	–	M20	■ black	weatherproof junction box	85	85	51	<b>73.61</b>
<b>COMBI 407</b>	IP66/67	1 x M20 cable entry can be knocked-out for M25 entry							
<b>10105595</b>	7	2	M20/25	■ grey	weatherproof junction box	95	95	60	<b>113.86</b>
<b>10105601</b>	7	2	M20/25	■ black	weatherproof junction box	95	95	60	<b>113.86</b>
<b>COMBI 607</b>	IP66/67	1 x M25 cable entry can be knocked-out for M20 entry							
<b>10060531</b>	7	3	M25	■ grey	weatherproof junction box	110	110	66	<b>142.61</b>
<b>10060648</b>	7	3	M25	■ black	weatherproof junction box	110	110	66	<b>226.56</b>
<b>COMBI 1210</b>	IP66/67	all M20 cable entries can be knocked-out for M25 entry							
<b>10101459</b>	10	4	M20	■ grey	round w/proof junction box	160	140	81	<b>233.46</b>
<b>10101460</b>	10	4	M20	■ black	round w/proof junction box	160	140	81	<b>355.37</b>

#### COMBI 304 round housing - Ø 82 mm

- Flat lid - bayonet cap (*quarter turn screw fixing*)
- Unique hook closing mechanism preventing unauthorised access. (*tool required to gain access*)
- Mounting via external lugs

<b>10110629</b>	4	–	M20	■ grey	weatherproof junction box	Ø	82	57	<b>113.86</b>
<b>10110630</b>	4	–	M20	■ black	weatherproof junction box	Ø	82	57	<b>113.86</b>

#### Push-on lid/cover IP66 Push-on lid/cover - for easy access to internal wiring

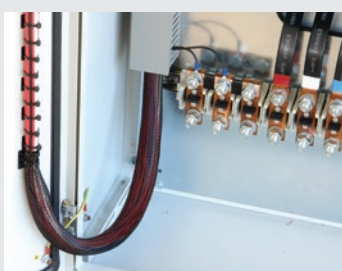
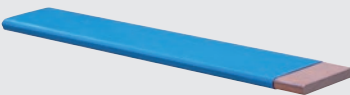
- Cable entry: Elastic self-sealing puncture-membranes for cable entry on sides and in the base

COMBI	IP66	(push-on lid/cover)							
<b>10060522</b>	10	2	–	■ grey	weatherproof junction box	76	76	51	<b>59.81</b>
<b>COMBI 116</b>	IP66	(push-on lid/cover)							
<b>10109563</b>	18	4	–	■ grey	weatherproof junction box	152	76	51	<b>94.31</b>

#### Accessories for above junction boxes

<b>10108836</b>					external mounting feet for COMBI	308/407/607/1210			<b>58.66</b>
<b>22001132</b>	SP-HKT 11/5	5 pole			internal terminal for COMBI 108/116/206/304/308/407				<b>118.46</b>
<b>22000407</b>	SP-HKT607	5 pole			internal mounting terminal for COMBI 607				<b>120.76</b>
<b>10109800</b>	ZER 4-12	Ø 4-11			strain relief ring for securing cable internally ( <i>10 pcs</i> )				<b>51.76</b>
<b>10110766</b>	ZER 11-18	Ø 11-18			strain relief ring for securing cable internally ( <i>10 pcs</i> )				<b>55.21</b>





### 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)	price per roll
			dia Ø	wall thickness			

#### JD-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

<b>JD-HFT015-0</b>	1.5 mm	3:1	0.5	≤ 0.40 mm	heat shrink tubing	200 m	<b>966.04</b>
<b>JD-HFT030-0</b>	3 mm	3:1	1.0	≤ 0.55 mm	heat shrink tubing	200 m	<b>1 117.84</b>
<b>JD-HFT060-0</b>	6 mm	3:1	2.0	≤ 0.60 mm	heat shrink tubing	100 m	<b>1 109.79</b>
<b>JD-HFT090-0</b>	9 mm	3:1	3.0	≤ 0.70 mm	heat shrink tubing	50 m	<b>869.43</b>
<b>JD-HFT120-0</b>	12 mm	3:1	4.0	≤ 0.70 mm	heat shrink tubing	50 m	<b>1 063.79</b>
<b>JD-HFT180-0</b>	18 mm	3:1	6.0	≤ 0.80 mm	heat shrink tubing	50 m	<b>1 932.07</b>
<b>JD-HFT240-0</b>	24 mm	3:1	8.0	≤ 1.00 mm	heat shrink tubing	25 m	<b>1 690.56</b>
<b>JD-HFT390-0</b>	39 mm	3:1	13.0	≤ 1.25 mm	heat shrink tubing	25 m	<b>3 114.30</b>
<i>Other colours (replace last digit "0" with: "R" (red) "B" (blue) "W" (white)</i>							<b>+ 10%</b>

#### JDD-BT-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: 2:1
- Shrink temperature: 110°C
- Operating temperature: -55°C...125°C
- Tensile strength: ≥ 10.4MPa
- Elongation at break: ≥ 500%
- Dielectric strength: ≥ 25kV/mm

<b>JDDBT020-0</b>	20.0	2:1	8	1.10 mm	heat shrink tubing	100 m	<b>3 076.35</b>
<b>JDDBT030-0</b>	30.0	2:1	12	1.10 mm	heat shrink tubing	50 m	<b>2 432.33</b>
<b>JDDBT040-0</b>	40.0	2:1	16	1.10 mm	heat shrink tubing	50 m	<b>2 804.94</b>
<b>JDDBT050-0</b>	50.0	2:1	20	1.10 mm	heat shrink tubing	25 m	<b>1 703.21</b>
<b>JDDBT060-0</b>	60.0	2:1	24	1.10 mm	heat shrink tubing	25 m	<b>2 256.38</b>
<b>JDDBT080-0</b>	80.0	2:1	28	1.20 mm	heat shrink tubing	25 m	<b>3 156.85</b>
<b>JDDBT100-0</b>	100.0	2:1	50	1.20 mm	heat shrink tubing	25 m	<b>4 510.45</b>
<i>Other colours (replace last digit "0" with: "R" (red) "B" (blue) "W" (white)</i>							<b>+ 10%</b>

#### 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.

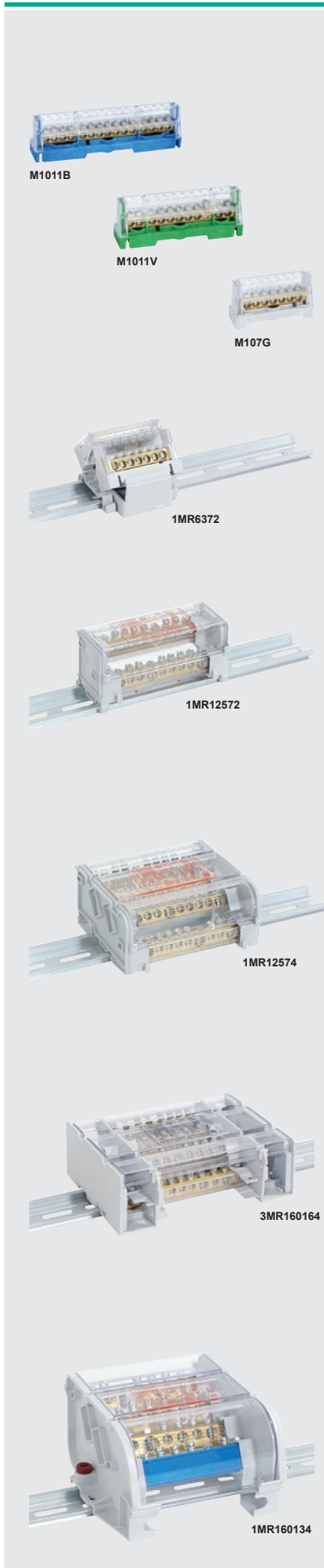
- Material: Polyester monofilament
- Standard colour: Black
- Operating temperature: -50°C...+150°C (melt point 230°C)
- Flammability: Flame retardant UL94 V-O
- Certified: RoHS, UL, CSA

type	nominal size *	expanded range Ø		description	carton length	price
		min.	max.			
<b>HFR-008BK</b>	8 mm	5 mm	16 mm	expandable braided sleeving	100 m	<b>856.78</b>
<b>HFR-010BK</b>	10 mm	7 mm	19 mm	expandable braided sleeving	100 m	<b>1 212.14</b>
<b>HFR-012BK</b>	12 mm	8 mm	24 mm	expandable braided sleeving	50 m	<b>673.93</b>
<b>HFR-015BK</b>	15 mm	10 mm	27 mm	expandable braided sleeving	50 m	<b>940.73</b>
<b>HFR-020BK</b>	20 mm	14 mm	30 mm	expandable braided sleeving	50 m	<b>1 114.39</b>
<b>HFR-030BK</b>	30 mm	20 mm	50 mm	expandable braided sleeving	50 m	<b>1 914.81</b>
<b>HFR-040BK</b>	40 mm	30 mm	60 mm	expandable braided sleeving	50 m	<b>2 787.69</b>
<b>HFR-050BK</b>	50 mm	40 mm	80 mm	expandable braided sleeving	50 m	<b>3 600.77</b>

\* Nominal size indicates flat width

#### Application tools for above products

<b>KD-8-3</b>	handheld hot knife to cut and seal braided sleeving (to prevent fraying)	<b>2 387.48</b>
<b>CS-800</b>	hot gun 100-590°C digital temperature control for heatshrink tubing	<b>1 730.81</b>



**Distribution terminals - (7, 11, 15 way)**

**General features:**

Maximum operating temperature: -5°C...+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 <sup>2</sup> )					dimensions (mm)			price
			input	10	16	25	35	(H)	(W)	(D)	

**Multi way terminal posts (DIN rail mountable) 750V**

<b>M107V</b>	7	green (earth) bar	2x16	5x	-	-	-	59	19	34	<b>50.61</b>
<b>M1011V</b>	11	green (earth) bar	2x16	9x	-	-	-	88	19	34	<b>72.46</b>
<b>M1015V</b>	15	green (earth) bar	2x16	13x	-	-	-	114	19	34	<b>95.46</b>
<b>M107B</b>	7	blue (neutral) bar	2x16	5x	-	-	-	59	19	34	<b>50.61</b>
<b>M1011B</b>	11	blue (neutral) bar	2x16	9x	-	-	-	88	19	34	<b>72.46</b>
<b>M1015B</b>	15	blue (neutral) bar	2x16	13x	-	-	-	114	19	34	<b>95.46</b>
<b>M107G</b>	7	grey (phase) bar	2x16	5x	-	-	-	59	19	34	<b>50.61</b>
<b>M1011G</b>	11	grey (phase) bar	2x16	9x	-	-	-	88	19	34	<b>72.46</b>
<b>M1015G</b>	15	grey (phase) bar	2x16	13x	-	-	-	114	19	34	<b>95.46</b>

**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 <sup>2</sup> )					dimensions (mm)			price
				input	10	16	25	35	(H)	(W)	(D)	

<b>2 pole - (1Ph+N)</b>												
<i>l<sub>pk</sub> 12kA - I<sub>cc rms</sub> 6kA - I<sub>cw rms</sub> (1s) 1.9kA</i>												
<b>1MR6372</b>	7	63A	2	2x16	5x	-	-	-	68	59	45	<b>127.66</b>
<b>1MR63112</b>	11	63A	2	2x16	9x	-	-	-	68	88	45	<b>156.41</b>
<i>l<sub>pk</sub> 22kA - I<sub>cc rms</sub> 11kA - I<sub>cw rms</sub> (1s) 6kA</i>												
<b>1MR12572</b>	7	125A	2	35 mm <sup>2</sup>	5x	-	1x	-	47	68	45	<b>208.16</b>
<b>1MR125112</b>	11	125A	2	35 mm <sup>2</sup>	6x	2x	2x	-	47	105	45	<b>297.86</b>
<b>1MR125152</b>	15	125A	2	35 mm <sup>2</sup>	10x	2x	2x	-	47	134	45	<b>346.17</b>
<b>4 pole - (3ph+N)</b>												
<i>l<sub>pk</sub> 22kA - I<sub>cc rms</sub> 11kA - I<sub>cw rms</sub> (1s) 6kA</i>												
<b>1MR12574</b>	7	125A	4	35 mm <sup>2</sup>	5x	-	1x	-	98	72	45	<b>322.02</b>
<b>1MR125114</b>	11	125A	4	35 mm <sup>2</sup>	6x	2x	2x	-	98	109	45	<b>462.32</b>
<b>1MR125154</b>	15	125A	4	35 mm <sup>2</sup>	10x	2x	2x	-	98	138	45	<b>552.02</b>

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

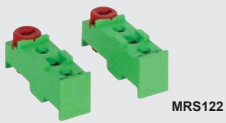
**160A stepped distribution block 70 mm deep profile**

<i>l<sub>pk</sub> 24kA - I<sub>cc rms</sub> 12kA - I<sub>cw rms</sub> (1s) 8kA</i>												
<b>1MR160134</b>	13	160A	4	50 mm <sup>2</sup>	-	8x	2x	2x	136	186	70	<b>1 038.49</b>

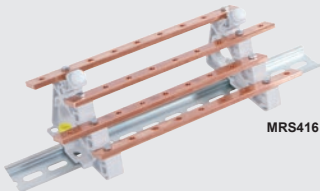
**3MR series - Distribution terminal**

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

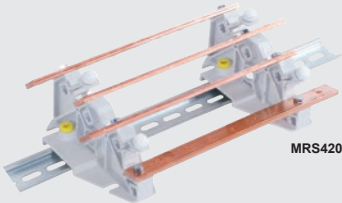
<i>l<sub>pk</sub> 22kA - I<sub>cc rms</sub> 11kA - I<sub>cw rms</sub> (1s) 6kA</i>												
<b>3MR125164</b>	16	125A	4	35 mm <sup>2</sup>	11x	2x	2x	-	107	202	45	<b>737.18</b>
<i>l<sub>pk</sub> 24kA - I<sub>cc rms</sub> 12kA - I<sub>cw rms</sub> (1s) 8kA</i>												
<b>3MR160164</b>	16	160A	4	50 mm <sup>2</sup>	11x	-	2x	2x	107	233	45	<b>1 505.40</b>



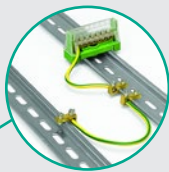
MRS122



MRS416



MRS420



MTB

**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.

**General features:**

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)			price
					(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)*

<b>MRS122</b>	65A	2	12 mm	1P+N	busbar supports (2 pcs)	47	14	18	<b>263.36</b>
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**4 pole stepped supports (3Ph+N)**

*supplied in 4 pcs (2 pair per set)*

**160A - 4 pole busbar support**

<b>MRS416*</b>	160A	4	16 mm	3P+N	busbar supports (4 pcs)	90	25	57	<b>960.29</b>
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**250A - 4 pole busbar support**

<b>MRS420*</b>	250A	4	20 mm	3P+N	busbar supports (4 pcs)	132	67	59	<b>1 330.60</b>
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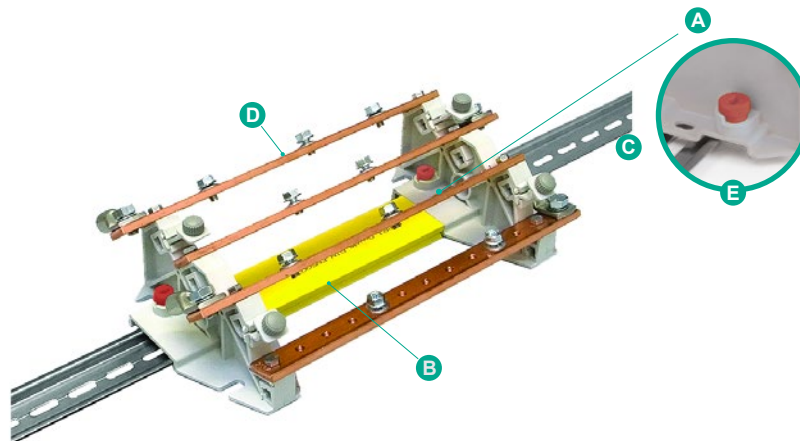
\* With eccentric pivot for safe mounting on DIN rail

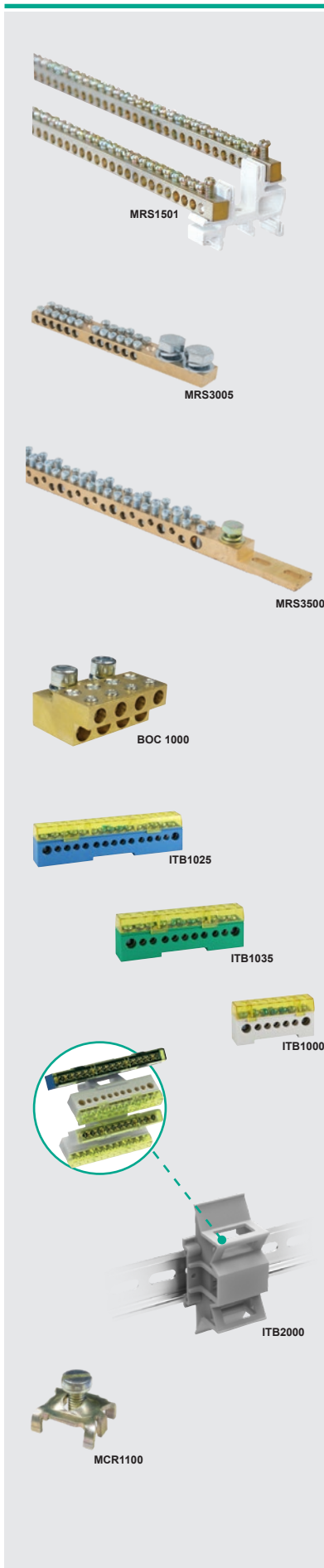
**Terminal protection covers (for above supports)**

<b>MRC2150</b>	screen	protection cover for busbar support <b>MRS416</b>	(1 meter length)	<b>347.32</b>
<b>MRC2250</b>	screen	protection cover for busbar support <b>MRS420</b>	(1 meter length)	<b>441.62</b>
<b>MTB</b>	DIN rail earthing terminal	(for connecting earth wire to DIN rail)		<b>22.44</b>

**Example of a complete MRS busbar system:**

- A - MRS420 - 4 pole busbar support
- B - DIN rail protection screen cover (*on request*)
- C - Perforated DIN rail, see page L-13
- D - Thread copper bar, see page L-36
- E - Eccentric pin for fixing the terminal block on the DIN rail guarantees maximum safety and reliability





**Brass earthing and neutral terminals**

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

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

**Single connection per hole**

<b>MRS1501</b>	–	113	–	–	113	M4	9	6	1met	<b>473.82</b>
<b>MRS1506</b>	–	–	116	–	116	M5	12	8	1met	<b>637.12</b>
<b>1300110</b>	rail or base mount double support for brass rod									<b>8.98</b>

**Double connection per hole** M4 mounting holes

- Dual input up to 50mm<sup>2</sup> (*2 x M10 bolt connections*)

<b>MRS3000</b>	–	2 x 6	–	–	12	M5	9	19	102	<b>164.46</b>
<b>MRS3005</b>	–	2 x 12	–	–	24	M5	9	19	144	<b>224.26</b>
<b>MRS3010</b>	–	2 x 24	–	–	48	M5	9	19	230	<b>377.22</b>

**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

<b>MRS2000</b>	8	8	3	1	20	M5	6	13	215	<b>379.52</b>
<b>MRS5000</b>	19	24	6	1	50	M5	6	13	462	<b>568.12</b>

**Double connection per hole**

- Universal fixing: chassis mount or direct copper bar mount
- M8 bolt to accommodate cable lug up to 95 mm<sup>2</sup>
- M6 mounting screws supplied with nuts, spacers and washers

<b>MRS3500</b>	2 x 14	2 x 19	2 x 7	2 x 1	82	M5	13	20	462	<b>1 208.69</b>
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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 mm<sup>2</sup> + 4 x 4...35 mm<sup>2</sup>*)

<b>BOC 1000</b>	brass bolt-on busbar mounting terminal		(8 x outputs)		<b>393.32</b>
<b>BOC 1005</b>	brass clamp-on busbar mounting terminal		(for 5 mm bars)		<b>631.37</b>
<b>BOC 1010</b>	brass clamp-on busbar mounting terminal		(for 10 mm bars)		<b>780.88</b>

**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 <sup>2</sup>			description	length (mm)	price
			In (2x)	No.	Out			

**Unipolar terminal blocks**

<b>ITB1030</b>	7	green	2.5 - 16	5 x	1.5 - 6	earth distribution block	63	<b>44.86</b>
<b>ITB1035</b>	11	green	2.5 - 16	9 x	1.5 - 6	earth distribution block	95	<b>63.26</b>
<b>ITB1040</b>	15	green	2.5 - 16	13 x	1.5 - 6	earth distribution block	125	<b>80.51</b>
<b>ITB1015</b>	7	blue	2.5 - 16	5 x	1.5 - 6	neutral distribution block	63	<b>44.86</b>
<b>ITB1020</b>	11	blue	2.5 - 16	9 x	1.5 - 6	neutral distribution block	95	<b>63.26</b>
<b>ITB1025</b>	15	blue	2.5 - 16	13 x	1.5 - 6	neutral distribution block	125	<b>80.51</b>
<b>ITB1000</b>	7	grey	2.5 - 16	5 x	1.5 - 6	phase distribution block	63	<b>44.86</b>
<b>ITB1005</b>	11	grey	2.5 - 16	9 x	1.5 - 6	phase distribution block	95	<b>63.26</b>
<b>ITB1010</b>	15	grey	2.5 - 16	13 x	1.5 - 6	phase distribution block	125	<b>80.51</b>

<b>ITB2000</b>	DIN rail mount support for horizontal mounting of up to 4 of above terminals								<b>17.84</b>
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**Spider connector for threaded bars 12 mm wide**

- Material: Passivated galvanised steel
- Connections: 1 or 2 cables 1.5...10 mm<sup>2</sup>
- Complete with: M5 x 12 screws

<b>MCR1100</b>	spider connector to connect cables to 12mm threaded bar		1.5...10mm <sup>2</sup>	<b>13.12</b>
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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 incomer 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 <sup>2</sup> )					lcw (kA)	lpk (kA)	dimensions (mm)			price
		max. cable (mm <sup>2</sup> )	busbar W (mm)	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 <sup>2</sup> )	Busbar W (mm)	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)	Price	
<b>RPU2995</b>	80A	6...16	-	-	4x	-	2x	-	3	22	66	30	46	<b>174.81</b>
<b>RPU3000</b>	125A	10...35	9	-	-	-	9x	-	4.4	30	75	40	48	<b>385.27</b>
<b>RPU3005</b>	160A	10...70	13	-	-	-	9x	-	11	30	75	40	48	<b>538.22</b>
<b>RPU3010</b>	250A	35...120	15.5	-	-	4x	5x	2x	21	51	96	47	50	<b>746.38</b>
<b>RPU3015</b>	400A	95...185	20	-	-	4x	5x	2x	21	51	96	47	50	<b>830.33</b>
<b>RPU3020</b>	500A	-	24	-	-	4x	5x	2x	21	51	96	47	50	<b>903.93</b>

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

Model	Rated Current (A)	Max. Cable (mm <sup>2</sup> )	Busbar W (mm)	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)	Price	
<b>RPT3000</b>	125A	10...35	9	-	-	-	6x	-	4.4	30	75	85	48	<b>911.98</b>
<b>RPT3005</b>	160A	10...70	13	-	-	-	6x	-	11	30	75	85	48	<b>1 068.39</b>

**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 <sup>2</sup> )	Busbar W (mm)	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)	Price	
<b>RPQ1000</b>	125A	10...35	-	-	5	-	1	-	4.2	20	84	66	50	<b>310.51</b>
<b>RPQ1005</b>	125A	10...35	-	-	7	-	2	1	4.2	20	84	100	50	<b>395.62</b>
<b>RPQ1010</b>	125A	10...35	-	-	11	-	2	1	4.2	20	84	132	50	<b>546.27</b>

**Separated input terminals**

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

Model	Rated Current (A)	Max. Cable (mm <sup>2</sup> )	Busbar W (mm)	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)	Price	
<b>RPQ1015</b>	160A	10...50	-	-	-	-	8	3	9	22	85	168	70	<b>1 070.69</b>

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

Model	Rated Current (A)	Max. Cable (mm <sup>2</sup> )	Busbar W (mm)	6	10	16	35	lcw (kA)	lpk (kA)	H (mm)	W (mm)	D (mm)	Price	
<b>RPQ1018</b>	160A	10...50	-	-	-	-	8	3	9	22	95	154	67	<b>1 181.09</b>

**Busbar supports**

**4 pole (3ph+N) insulated busbar supports**

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

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

Model	Rated Current (A)	Description	H (mm)	W (mm)	L (mm)	Price
<b>PSP1002</b>	250A	busbar support for 15/20 mm x 5 mm bars	190	20	105	<b>272.56</b>

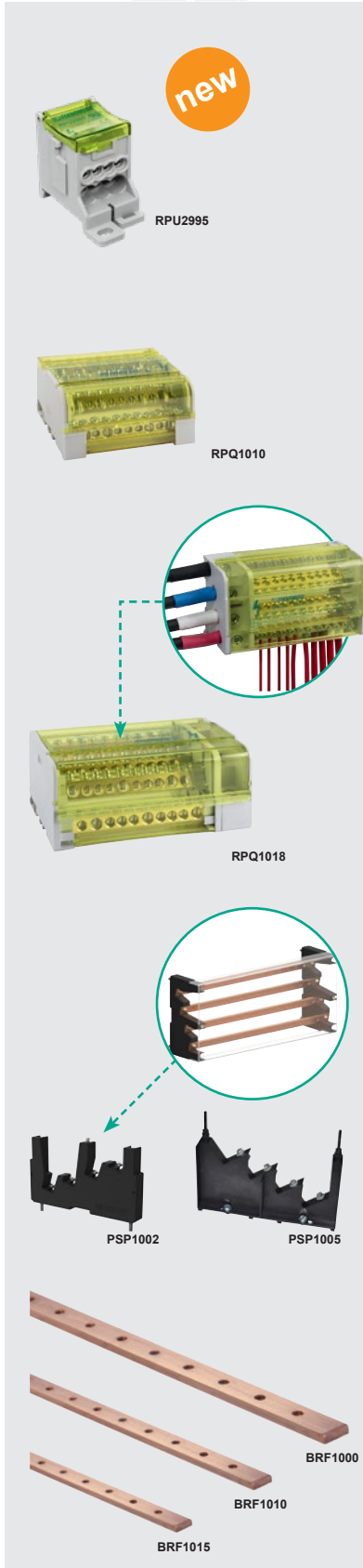
**400A - panel mount busbar support (2 piece per pack)**

Model	Rated Current (A)	Description	H (mm)	W (mm)	L (mm)	Price
<b>PSP1005</b>	400A	Busbar support for 15/20/30 mm x 5/10 mm bars	216	34	117	<b>1 124.74</b>

**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)			price (ea)
	30°C	50°C				(H)	(W)	(L)	
<b>BRF1000</b>	160A	212A	M5	18 mm	threaded copper busbar	12	4	1met.	<b>563.52</b>
<b>BRF1005</b>	183A	241A	M5	18 mm	threaded copper busbar	12	5	1met.	<b>690.03</b>
<b>BRF1010</b>	218A	289A	M6	25 mm	threaded copper busbar	15	5	1met.	<b>819.98</b>
<b>BRF1015</b>	274A	363A	M6	25 mm	threaded copper busbar	20	5	1met.	<b>1 064.94</b>
<b>BRF1020</b>	400A	530A	M6	25 mm	threaded copper busbar	32	5	1met.	<b>1 602.01</b>
<b>BRF1045</b>	573A	756A	M8	25 mm	threaded copper busbar	30	10	1met.	<b>3 078.65</b>





ISO...



CLN...



SM...

SM...



SM...

SM...



ISO3005

**Busbar standoff insulators**

The "stand off" insulator is used as an insulating support for active conductors to guarantee excellent electrical insulation capability; it can be used as a support for electrical devices, giving high mechanical resistance values, as well as a spacing and/or stiffening element of a system made of conductor bars (copper and/or aluminium).

**General features:**

- 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	price
<b>ISO - Insulators</b> <i>injection moulded</i> <i>UL approved (file No. 300607)</i>						
ISO2010	20 mm	15 mm	M6	8	busbar standoff insulators	39.11
ISO2020	25 mm	15 mm	M6	10	busbar standoff insulators	43.71
ISO2030	30 mm	26 mm	M8	25	busbar standoff insulators	75.91
ISO2040	35 mm	28 mm	M8	25	busbar standoff insulators	86.26
ISO2055	40 mm	28 mm	M8	25	busbar standoff insulators	105.81
ISO2070	45 mm	33 mm	M8	25	busbar standoff insulators	118.46
ISO2085	50 mm	29 mm	M8	25	busbar standoff insulators	143.76
ISO2100	60 mm	42 mm	M10	50	busbar standoff insulators	180.56

<b>CLN - Spacer columns</b> <i>Injection moulded</i> <i>UL approved (file No. 300607)</i>						
ISO2140	20 mm	20 mm	M6	8	spacing columns	44.86
ISO2155	25 mm	20 mm	M6	8	spacing columns	47.16
ISO2170	30 mm	20 mm	M6	8	spacing columns	47.16
ISO2185	35 mm	20 mm	M6	10	spacing columns	51.76
ISO2200	40 mm	20 mm	M6	10	spacing columns	56.36
ISO2245	30 mm	30 mm	M8	25	spacing columns	113.86
ISO2257	40 mm	30 mm	M8	25	spacing columns	118.46
ISO2267	50 mm	30 mm	M8	25	spacing columns	154.11
ISO2295	70 mm	30 mm	M8	25	spacing columns	201.26

**SM - Econo busbar insulators**

**General features:**

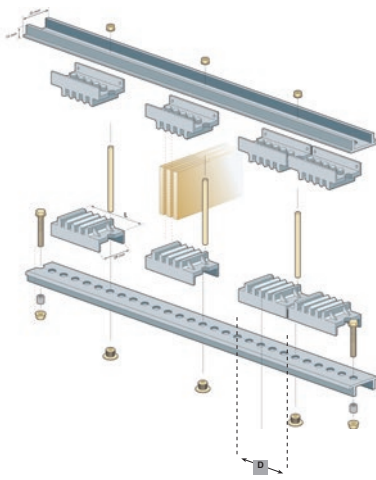
- Insulation: Polyester, fibreglass reinforced (20%)
- Self extinguishing: VO-UL94
- Threaded inserts: Galvanized steel
- Rated voltage: 1000 VAC / 1500 VDC
- Working temperature: -20°C...120°C
- Colour: Red RAL 3031

SM25	25 mm	23 mm	M6	8	busbar standoff insulators	28.53
SM30	30 mm	26 mm	M8	10	busbar standoff insulators	30.59
SM35	35 mm	28 mm	M8	13	busbar standoff insulators	39.11
SM40	40 mm	34 mm	M8	13	busbar standoff insulators	46.01
SM45	45 mm	28 mm	M8	13	busbar standoff insulators	40.26
SM51	51 mm	29 mm	M8	27	busbar standoff insulators	48.31
SM60	60 mm	34 mm	M10	27	busbar standoff insulators	96.61
SM76	76 mm	36 mm	M10	54	busbar standoff insulators	101.21

**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	price
ISO3005	30 mm	M6	threaded stud kit for insulators	41.41
ISO3015	35 mm	M8	threaded stud kit for insulators	54.06
ISO3020	40 mm	M10	threaded stud kit for insulators	62.11



**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-11** 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	price
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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

<b>TOP1005</b>	5 mm	1 - 2	TOP2/5T	universal busbar support kit	<b>438.17</b>
<b>TOP1025</b>	10 mm	1	TOP1/10T	universal busbar support kit	<b>434.72</b>
<b>TOP1035</b>	10 mm	1 - 2	TOP2/10T	universal busbar support kit	<b>509.47</b>
<b>TOP1045</b>	10 mm	1 - 3	TOP3/10T	universal busbar support kit	<b>668.18</b>

**Four pole system kits (3Ph+N)**

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

<b>TOP1010</b>	5 mm	1 - 2	TOP2/5TN	universal busbar support kit	<b>554.32</b>
<b>TOP1030</b>	10 mm	1	TOP1/10TN	universal busbar support kit	<b>564.67</b>
<b>TOP1040</b>	10 mm	1 - 2	TOP2/10TN	universal busbar support kit	<b>654.38</b>
<b>TOP1050</b>	10 mm	1 - 3	TOP3/10TN	universal busbar support kit	<b>856.78</b>

**Accessories**

<b>TOP1000</b>			pre-punched aluminium profile (12.5 mm pitch)	(2 metre length)	<b>675.08</b>
<b>TOP1100</b>			bracket for horizontal mounting of busbar system profiles		<b>170.21</b>
<b>TOP1105</b>			bracket for vertical mounting of busbar system profiles		<b>115.01</b>
<b>TOP1055</b>			rislan tube to insulate tie rods (only required for minimum distance)		<b>17.26</b>

**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-11** 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

<b>TOP2000</b>	5/10 mm	2/1	TOP J 5 - 10	universal busbar support kit	<b>1 398.45</b>
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**Busbar clamps (galvanized steel 5 mm thick)**

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

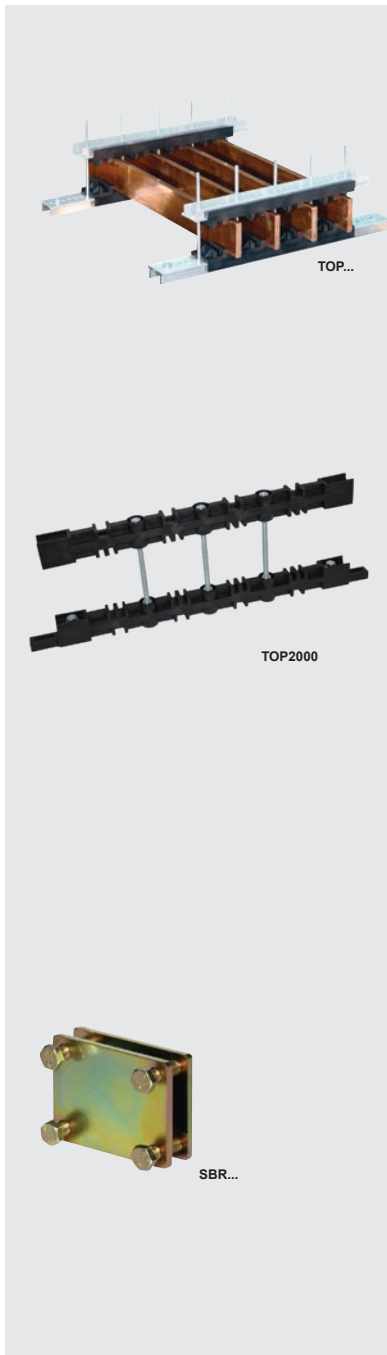
type	max. bar width	flexi bar width	plate dimensions	description	price
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**Rectangular busbar clamps**

<b>SBR1000</b>	50 mm	20/24 mm	77 x 51 mm	busbar connection clamps	<b>256.46</b>
<b>SBR1005</b>	50 mm	32 mm	77 x 59 mm	busbar connection clamps	<b>258.76</b>
<b>SBR1010</b>	50 mm	40 mm	77 x 67 mm	busbar connection clamps	<b>261.06</b>
<b>SBR1020</b>	80 mm	32 mm	107 x 59 mm	busbar connection clamps	<b>279.46</b>
<b>SBR1025</b>	80 mm	50 mm	107 x 77 mm	busbar connection clamps	<b>286.36</b>

**Square busbar clamps**

<b>SBQ1000</b>	30 mm	30 mm	53 x 53 mm	busbar connection clamps	<b>281.76</b>
<b>SBQ1005</b>	40 mm	40 mm	63 x 63 mm	busbar connection clamps	<b>296.71</b>
<b>SBQ1015</b>	63 mm	63 mm	90 x 90 mm	busbar connection clamps	<b>378.37</b>
<b>SBQ1020</b>	80 mm	80 mm	115 x 115 mm	busbar connection clamps	<b>465.77</b>
<b>SBQ1025</b>	100 mm	100 mm	135 x 135 mm	busbar connection clamps	<b>553.17</b>



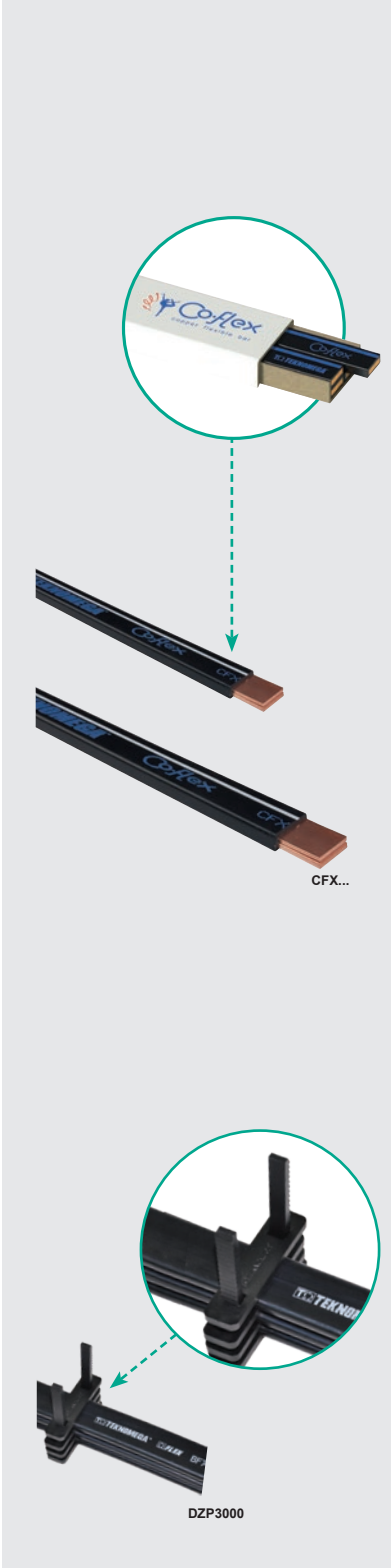
**Please note:** Prices of copper products are based on the London Metal Exchange and will vary from time to time. Consult our sales department for the latest pricing before placing orders.



**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 <b>Annex-13</b> max. current capacity (A) at Δ T (°K) as per IEC 439-1					price
	width	No. Laminations	thick	total thickness	cross section (mm <sup>2</sup> )	length (metre)	65°C	50°C	40°C	30°C	20°C	

**Insulated flexible busbars (2 metre lengths)**

<b>CFX 1005</b>	9	3	0.8	2.4	21.6	2	160	<b>140</b>	125	108	89	<b>522.12</b>
<b>CFX 1020</b>	9	6	0.8	4.8	43.2	2	285	<b>250</b>	224	194	158	<b>940.73</b>
<b>CFX 1023</b>	13	6	0.5	3	39	2	285	<b>250</b>	224	194	158	<b>810.78</b>
<b>CFX 1035</b>	15.5	4	0.8	3.2	49.6	2	365	<b>320</b>	286	248	202	<b>1 053.44</b>
<b>CFX 1045</b>	15.5	6	0.8	4.8	74.4	2	456	<b>400</b>	358	310	253	<b>1 550.25</b>
<b>CFX 1060</b>	20	3	1.0	3	60	2	399	<b>350</b>	313	271	221	<b>1 230.54</b>
<b>CFX 1070</b>	20	5	1.0	5	100	2	490	<b>430</b>	385	333	272	<b>2 018.32</b>
<b>CFX 1076</b>	20	8	1.0	8	160	2	638	<b>560</b>	501	434	354	<b>3 153.40</b>
<b>CFX 1090</b>	24	3	1.0	3	72	2	456	<b>400</b>	358	310	253	<b>1 454.80</b>
<b>CFX 1100</b>	24	5	1.0	5	120	2	581	<b>510</b>	456	395	323	<b>2 363.33</b>
<b>CFX 1115</b>	24	10	1.0	10	192	2	912	<b>800</b>	716	620	506	<b>4 534.60</b>
<b>CFX 1135</b>	32	5	1.0	5	160	2	741	<b>650</b>	581	503	411	<b>3 093.60</b>
<b>CFX 1145</b>	32	8	1.0	8	256	2	992	<b>870</b>	778	674	550	<b>4 935.96</b>
<b>CFX 1150</b>	32	10	1.0	10	320	2	1163	<b>1020</b>	912	790	645	<b>6 558.66</b>
<b>CFX 1170</b>	40	5	1.0	5	200	2	884	<b>775</b>	693	600	490	<b>4 030.88</b>
<b>CFX 1180</b>	40	8	1.0	8	320	2	1180	<b>1035</b>	926	802	655	<b>6 358.55</b>
<b>CFX 1185</b>	40	10	1.0	10	400	2	1343	<b>1178</b>	1054	912	745	<b>7 991.61</b>
<b>CFX 1200</b>	50	5	1.0	5	250	2	1055	<b>925</b>	827	717	585	<b>5 049.81</b>
<b>CFX 1210</b>	50	8	1.0	8	400	2	1357	<b>1190</b>	1064	922	753	<b>8 019.21</b>
<b>CFX 1215</b>	50	10	1.0	10	500	2	1573	<b>1380</b>	1234	1069	873	<b>10 099.62</b>
<b>CFX 1230</b>	63	5	1.0	5	315	2	1209	<b>1060</b>	948	821	670	<b>6 615.01</b>
<b>CFX 1240</b>	63	8	1.0	8	504	2	1596	<b>1400</b>	1252	1084	885	<b>10 284.78</b>
<b>CFX 1245</b>	63	10	1.0	10	630	2	1391	<b>1615</b>	1444	1251	1021	<b>12 742.40</b>
<b>CFX 1260</b>	80	5	1.0	5	400	2	1459	<b>1280</b>	1145	991	810	<b>8 238.86</b>
<b>CFX 1270</b>	80	8	1.0	8	640	2	1833	<b>1608</b>	1438	1246	1017	<b>12 822.91</b>
<b>CFX 1275</b>	80	10	1.0	10	800	2	2028	<b>1779</b>	1591	1378	1125	<b>15 801.50</b>
<b>CFX 1285</b>	100	5	1.0	5	500	2	1750	<b>1535</b>	1373	1189	971	<b>10 329.63</b>
<b>CFX 1300</b>	100	10	1.0	10	1000	2	2394	<b>2100</b>	1878	1627	1328	<b>20 114.13</b>

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 **56.36**



**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.

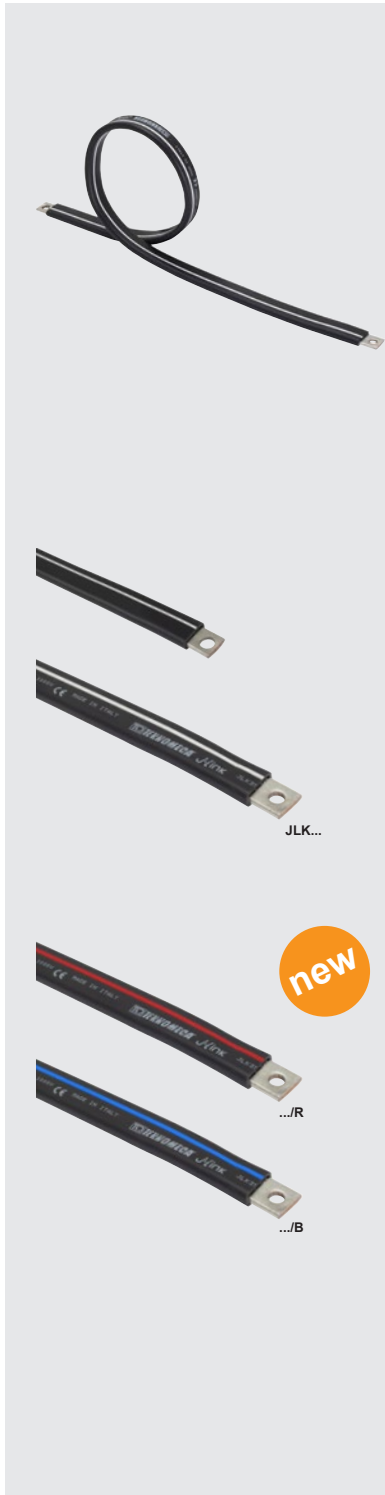


**Insulated copper braided links** *highly flexible braided copper link with PVC insulation*

**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 <b>Annex-13</b> max. current capacity (A) at Δ T (°K) as per IEC 439-1			description	price
	width	thickness	length	cross sec. (mm <sup>2</sup> )	45°C	35°C	25°C		
<b>25 mm<sup>2</sup> insulated braided links</b> <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	230.01
JLK1010	20	4.3	430	25	185	175	145	insulated braided shunt	279.46
JLK1015	20	4.3	530	25	185	175	145	insulated braided shunt	313.96
JLK1020	20	4.3	630	25	185	175	145	insulated braided shunt	354.22
JLK1021	20	4.3	730	25	185	175	145	insulated braided shunt	403.67
JLK1023	20	4.3	930	25	185	175	145	insulated braided shunt	494.52
<b>35 mm<sup>2</sup> insulated braided links</b> <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	292.11
JLK1035	20	4.9	430	35	225	205	170	insulated braided shunt	355.37
JLK1040	20	4.9	530	35	225	205	170	insulated braided shunt	414.02
JLK1045	20	4.9	630	35	225	205	170	insulated braided shunt	468.07
JLK1046	20	4.9	730	35	225	205	170	insulated braided shunt	542.82
JLK1048	20	4.9	930	35	225	205	170	insulated braided shunt	667.03
JLK1049	20	4.9	1030	35	225	205	170	insulated braided shunt	731.43
<b>50 mm<sup>2</sup> insulated braided links</b> <i>mounting holes: Ø d1=8.5 / Ø d2=10.5 mm</i>									
JLK1055	20	5	330	50	280	250	220	insulated braided shunt	359.97
JLK1060	20	5	430	50	280	250	220	insulated braided shunt	448.52
JLK1065	20	5	530	50	280	250	220	insulated braided shunt	535.92
JLK1070	20	5	630	50	280	250	220	insulated braided shunt	598.02
JLK1071	20	5	730	50	280	250	220	insulated braided shunt	688.88
JLK1073	20	5	930	50	280	250	220	insulated braided shunt	844.13
JLK1074	20	5	1030	50	280	250	220	insulated braided shunt	923.48
<b>85 mm<sup>2</sup> insulated braided links</b> <i>mounting holes: A=8.5 / B=10.5 mm</i>									
JLK1145	24	6.5	330	85	350	320	270	insulated braided shunt	596.87
JLK1150	24	6.5	430	85	350	320	270	insulated braided shunt	736.03
JLK1155	24	6.5	530	85	350	320	270	insulated braided shunt	877.48
JLK1160	24	6.5	630	85	350	320	270	insulated braided shunt	1 012.04
JLK1165	24	6.5	730	85	350	320	270	insulated braided shunt	1 177.64
JLK1175	24	6.5	930	85	350	320	270	insulated braided shunt	1 493.90
JLK1180	24	6.5	1030	85	350	320	270	insulated braided shunt	1 641.11
<b>120 mm<sup>2</sup> insulated braided links</b> <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	921.18
JLK1080	30	7.5	430	120	440	400	335	insulated braided shunt	1 077.59
JLK1085	30	7.5	530	120	440	400	335	insulated braided shunt	1 275.39
JLK1090	30	7.5	630	120	440	400	335	insulated braided shunt	1 478.95
JLK1095	30	7.5	730	120	440	400	335	insulated braided shunt	1 631.91
JLK1097	30	7.5	930	120	440	400	335	insulated braided shunt	2 024.07
JLK1098	30	7.5	1030	120	440	400	335	insulated braided shunt	2 166.67
<b>240 mm<sup>2</sup> insulated braided links</b> <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	1 836.61
JLK1105	32	12.5	430	240	730	680	565	insulated braided shunt	2 148.27
JLK1110	32	12.5	530	240	730	680	565	insulated braided shunt	2 481.78
JLK1115	32	12.5	630	240	730	680	565	insulated braided shunt	2 857.84
JLK1120	32	12.5	730	240	730	680	565	insulated braided shunt	3 143.05
JLK1130	32	12.5	930	240	730	680	565	insulated braided shunt	4 050.43
JLK1135	32	12.5	1030	240	730	680	565	insulated braided shunt	4 364.39

**new**

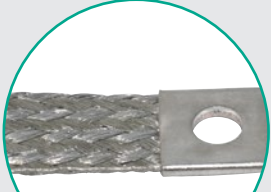
Derating coefficient for bars in parallel		
Number of bars	2 bars	3 bars
Coefficient to use	x 1.6	x 2

**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.

+ 20%

**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.

**new**



Flat tinned copper earthing braids

TMS...

TMS...

TMS...

**Flat tinned copper earthing braids**

*highly flexible braided copper earthing link*

**No cutting - no stripping - no lug - no crimping**

Copper braid used as a super flexible conductor for all electric connection requirements, including power, earthing and equipotential connections. Accommodates higher current density than cables and copper bars with the same cross-section. Tinned copper flat braid, used as a ground strap, provides an excellent, low resistance ground path. Supplied cut with terminated ends punched hole, ready for connection.

**General features:**

- Conductor: Tinned electrolytic copper braid Cu-ETP 99.90%
- Resistivity: 0.0172 Ω mm<sup>2</sup>/m
- Mechanical resistance: Min. 200 MPa
- Standard length: 150 ... 300 mm lengths
- Mounting: Punched hole, ready for connection

**Typically application:**

Switchgears, Connectors, ground electric connection, the energy industry for wind turbines, generators, substations, transformers, hydro turbines, circuit breakers and rectifiers.

type	conductor size (mm)				current rating (A)	terminal holes Ø (mm)	description	price
	width	thickness	length	cross sec. (mm <sup>2</sup> )				
<b>10 mm<sup>2</sup> earthing braided links</b>								
TMS1010	17	2.8	150	10	85	8.5	copper earthing braids	60.96
TMS1015	17	2.8	200	10	85	8.5	copper earthing braids	65.56
TMS1020	17	2.8	250	10	85	8.5	copper earthing braids	83.96
TMS1025	17	2.8	300	10	85	8.5	copper earthing braids	93.16
<b>16 mm<sup>2</sup> earthing braided links</b>								
TMS1035	17	3.1	150	16	120	8.5	copper earthing braids	83.96
TMS1040	17	3.1	200	16	120	8.5	copper earthing braids	97.76
TMS1045	17	3.1	250	16	120	8.5	copper earthing braids	100.06
TMS1050	17	3.1	300	16	120	8.5	copper earthing braids	112.71
<b>25 mm<sup>2</sup> earthing braided links</b>								
TMS1055	25	2.8	150	25	150	10.5	copper earthing braids	97.76
TMS1060	25	2.8	200	25	150	10.5	copper earthing braids	110.41
TMS1065	25	2.8	250	25	150	10.5	copper earthing braids	127.66
TMS1070	25	2.8	300	25	150	10.5	copper earthing braids	146.06
<b>35 mm<sup>2</sup> earthing braided links</b>								
TMS1075	21	3.6	150	35	195	10.5	copper earthing braids	125.36
TMS1080	21	3.6	200	35	195	10.5	copper earthing braids	146.06
TMS1085	21	3.6	250	35	195	10.5	copper earthing braids	166.76
TMS1090	21	3.6	300	35	195	10.5	copper earthing braids	188.61
<b>50 mm<sup>2</sup> earthing braided links</b>								
TMS1100	25	4.8	150	50	250	10.5	copper earthing braids	184.01
TMS1105	25	4.8	200	50	250	10.5	copper earthing braids	213.91
TMS1110	25	4.8	250	50	250	10.5	copper earthing braids	247.26
TMS1115	25	4.8	300	50	250	10.5	copper earthing braids	284.06
<b>75 mm<sup>2</sup> earthing braided links</b>								
TMS1120	30	5.5	200	75	330	10.5	copper earthing braids	378.37
TMS1125	30	5.5	250	75	330	10.5	copper earthing braids	441.62
TMS1130	30	5.5	300	75	330	10.5	copper earthing braids	432.42
<b>100 mm<sup>2</sup> earthing braided links</b>								
TMS1135	30	6.5	200	100	370	12.5	copper earthing braids	530.17
TMS1140	30	6.5	250	100	370	12.5	copper earthing braids	618.72
TMS1145	30	6.5	300	100	370	12.5	copper earthing braids	703.83



**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 <sup>2</sup>				description	designation	price
		max. cable (mm <sup>2</sup> )	busbar (mm)	10	16	25	50			

**HLAK - Main line/branch terminals**

<b>080110-0-4</b>	152A	25 mm <sup>2</sup>	–	2x			rail mount terminals	Line		<b>81.66</b>
<b>080110-1-4</b>	152A	25 mm <sup>2</sup>	–	2x			rail mount terminals	Neutral		<b>81.66</b>
<b>080110-2-4</b>	152A	25 mm <sup>2</sup>	–	2x			rail mount terminals	Earth		<b>81.66</b>
<b>080210-0-4</b>	202A	35 mm <sup>2</sup>	–		2x		rail mount terminals	Line		<b>109.26</b>
<b>080210-1-4</b>	202A	35 mm <sup>2</sup>	–		2x		rail mount terminals	Neutral		<b>110.41</b>
<b>080210-2-4</b>	202A	35 mm <sup>2</sup>	–		2x		rail mount terminals	Earth		<b>110.41</b>
<b>080310-0-4</b>	300A	70 mm <sup>2</sup>	–			2x	rail mount terminals	Line		<b>342.72</b>
<b>080310-1-4</b>	300A	70 mm <sup>2</sup>	–			2x	rail mount terminals	Neutral		<b>343.87</b>
<b>080310-2-4</b>	300A	70 mm <sup>2</sup>	–			2x	rail mount terminals	Earth		<b>343.87</b>

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

**UVB - Sub-distribution blocks for copper conductors**

<b>080010-0-4</b>	100A	2x 25	–	6x			distribution block	Line		<b>189.76</b>
<b>080010-1-4</b>	100A	2x 25	–	6x			distribution block	Neutral		<b>193.21</b>
<b>080010-2-4</b>	100A	2x 25	–	6x			distribution block	Earth		<b>193.21</b>
<b>080030-0-4</b>	200A	70	–	6x	1x		distribution block	Line		<b>355.37</b>
<b>080030-1-4</b>	200A	70	–	6x	1x		distribution block	Neutral		<b>359.97</b>
<b>080030-2-4</b>	200A	70	–	6x	1x		distribution block	Earth		<b>359.97</b>

**PDB - Power distribution blocks Al/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

<b>082040-0-3</b>	164A	2.5...25	–	3x	3x		distribution block	grey		<b>297.86</b>
<b>082050-0-3</b>	214A	4...35	–	4x	2x		distribution block	grey		<b>359.97</b>
<b>082060-0-3</b>	215A	10...70	15.5 x 5	3x	2x		distribution block	grey		<b>679.68</b>
<b>082070-0-3</b>	270A	16...95	–		8x	2x	distribution block	grey		<b>514.07</b>
<b>082080-0-3</b>	400A	35...120	24 x 10	4x	3x	2x	distribution block	grey		<b>874.03</b>
<b>082090-0-3</b>	490A	95...185	24 x 10	4x	3x	2x	distribution block	grey		<b>1 206.39</b>

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

Fastens directly onto busbars (3-10 mm thick) and provides 2 x outgoing 16 mm<sup>2</sup> 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 <sup>2</sup>	description	designation	price
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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*)

<b>086105-0-4</b>	114A	3...10 mm thick	2x 1...16 mm <sup>2</sup>	busbar connect terminal	Line		<b>167.91</b>
<b>086105-1-4</b>	114A			busbar connect terminal	Neutral		<b>167.91</b>
<b>086105-2-4</b>	114A			busbar connect terminal	Earth		<b>167.91</b>
<b>086105-3-4</b>	114A			busbar connect terminal	Line		<b>167.91</b>

**Uninsulated conductor connection terminals**

<b>086105-9-2</b>	114A	3...10 mm thick	2x 1...16 mm <sup>2</sup>	busbar connect terminal	–	–	<b>103.51</b>
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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

<b>084551-1-4</b>	-	50 mm <sup>2</sup>	insulated feed-in terminal short pin (15 mm)	grey		<b>277.16</b>
<b>084553-1-4</b>	-	50 mm <sup>2</sup>	insulated feed-in terminal long pin (29.5 mm)	grey		<b>179.41</b>



**SBC ER – Compact adjustable busbar support - IEC 61439-1** 4000A  
 Multipolar busbar support to carry high currents with high short circuit withstand in almost every low voltage system enclosure on the market

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



type	for busbar thickness	No. bars per phase	insulation voltage	interphase distance	description	pcs per pack	price (per pack)
5025 5110	10 mm	1-2	1000V	adjustable	busbar support inserts	(8 pcs)	992.49
5025 5105	5 mm	1-3	1000V	adjustable	busbar support inserts	(8 pcs)	928.08
5025 5100	universal clamping stud kit for bars 25 to 200 mm (H)					per pack	(4 pcs) 1 224.79
5025 5101	metal clamping stud kit for bars 25 to 100 mm (H)					per pack	(2 pcs) 1 301.85
5025 5124	profile	perforated support profile for inserts			length 380 mm	(4 pcs)	1 559.45
5025 5125	profile	perforated support profile for inserts			length 480 mm	(4 pcs)	2 041.32
5025 5126	profile	perforated support profile for inserts			length 580 mm	(4 pcs)	2 302.38
5025 5128	profile	perforated support profile for inserts			length 780 mm	(4 pcs)	2 607.14

**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.

**High current carrying capacities:**

SB C 10 multipolar edgewise busbar supports are suitable for main switchboard applications where high current carrying capacity is required.

**Easy installation:**

Edgewise mounted, the SB C 10 can be installed in low voltage switchboards for main and/or distribution busbar use in a horizontal and vertical position. Its installation standard dimensions mean it can be integrated in almost all LV systems on the market.

- 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)	491.07
5024 6700	10 mm	1/2	1000V	90 mm	4 pole busbar support	(ea)	497.97

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	368.02
5020 2040	mounting accessory kit	(rods/spacers/nuts)	for 40 mm busbars	441.62
5020 2050	mounting accessory kit	(rods/spacers/nuts)	for 50 mm busbars	388.72
5020 2060	mounting accessory kit	(rods/spacers/nuts)	for 60 mm busbars	411.72
5020 2080	mounting accessory kit	(rods/spacers/nuts)	for 80 mm busbars	441.62
5020 2100	mounting accessory kit	(rods/spacers/nuts)	for 100 mm busbars	494.52

**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		361.12
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**60 mm - 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)		no. poles	description	amps	price
	width	thick				

**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

<b>01601</b>	15 - 30 mm	5/10 mm	1	universal busbar support	630A	<b>194.36</b>
<b>01356</b>	15 - 30 mm	5/10 mm	2	universal busbar support	630A	<b>311.66</b>
<b>01495</b>	15 - 30 mm	5/10 mm	3	universal busbar support	630A	<b>295.56</b>
<b>01484*</b>	15 - 30 mm	5/10 mm	3	busbar support (with control terminals)	630A	<b>479.57</b>
<b>01485</b>	15 - 30 mm	5/10 mm	4	universal busbar support	630A	<b>494.52</b>

\* 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

<b>01116</b>	30 mm	"H" profile	1	"H" profile busbar support	1600A	<b>438.17</b>
<b>01231</b>	30 mm	"H" profile	3	"H" profile busbar support	1600A	<b>1 118.99</b>

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)**

<b>01573</b>	end cover for		3	01495 / 01484 busbar supports		<b>94.31</b>
<b>01131</b>	end cover for		4	01485 busbar supports		<b>263.36</b>
<b>01373</b>	end cover for		1	01116 busbar supports		<b>81.66</b>
<b>01234</b>	end cover for		3	01231 busbar supports		<b>118.46</b>

**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)		no. poles	cable size mm <sup>2</sup>		description	amps	price
	width	thick		min	max			

<b>01284</b>	15 - 30 mm	5 mm	1	1.5	16	conductor terminal	180A	<b>23.59</b>
<b>01285</b>	15 - 30 mm	5 mm	1	4	35	conductor terminal	270A	<b>35.66</b>
<b>01287</b>	15 - 30 mm	5 mm	1	16	70	conductor terminal	400A	<b>47.16</b>
<b>01289</b>	15 - 30 mm	10 mm	1	1.5	16	conductor terminal	180A	<b>39.11</b>
<b>01290</b>	15 - 30 mm	10 mm	1	4	35	conductor terminal	270A	<b>57.51</b>
<b>01292</b>	15 - 30 mm	10 mm	1	16	70	conductor terminal	400A	<b>64.41</b>
<b>01203</b>	15 - 30 mm	10 mm	1	16	120	conductor terminal	440A	<b>117.31</b>

**CRITO® ProfiClip brace terminals for cable conductors (for standard and "H" profile bars)**

<b>01318</b>	20 - 30 mm	5/10 mm	1	95	185	conductor terminal	500A	<b>442.77</b>
<b>01760</b>	20 - 30 mm	5/10 mm	1	120	300	conductor terminal	600A	<b>635.97</b>

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

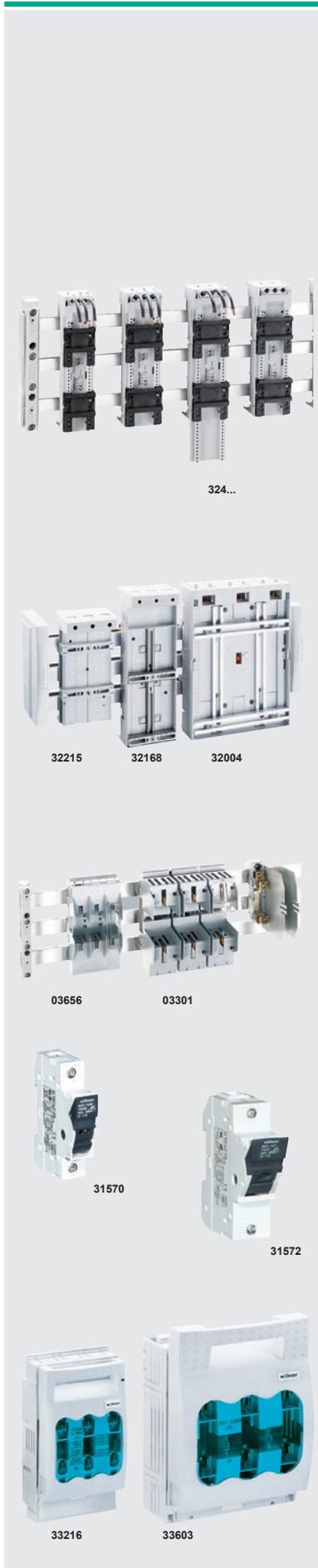
<b>01563</b>	15 - 30 mm	5/10 mm	3	1.5	16	conductor terminal	80A	<b>517.52</b>
<b>01240</b>	15 - 30 mm	5/10 mm	3	6	50	conductor terminal	300A	<b>632.52</b>
<b>01243</b>	15 - 30 mm	5/10 mm	3	35	120	conductor terminal	440A	<b>1 095.99</b>
<b>01199</b>	20 - 30 mm	5/10 mm	3	95	185	conductor terminal	460A	<b>1 777.96</b>
<b>01754</b>	20 - 30 mm	5/10 mm	3	120	300	conductor terminal	560A	<b>2 336.88</b>
<b>01537*</b>	20 - 30 mm	5/10 mm	3	120	300	conductor terminal	560A	<b>2 247.18</b>

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

**CRITO® brace terminals for flat and flexible copper busbars**

				max. bar size		description	amps	price
				wide	thick			
<b>01319</b>	30 mm	10 mm	1	30	20	busbar connection	750A	<b>438.17</b>
<b>01069</b>	30 mm	10 mm	1	55	28	busbar connection	1600A	<b>1 842.36</b>
<b>01070</b>	30 mm	10 mm	1	68	28	busbar connection	1600A	<b>2 262.13</b>
<b>01071</b>	30 mm	10 mm	1	105	28	busbar connection	1600A	<b>3 448.96</b>
<b>01538*</b>	20 - 30 mm	5/10 mm	3	32	20	busbar connection	800A	<b>2 165.52</b>

\* 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 <sup>2</sup>	dimensions (mm)		description	amps	price
	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

<b>32430</b>	15 - 30	5/10/"H"	1	4	45	200	easy connector	25A	<b>606.07</b>
<b>32431</b>	15 - 30	5/10/"H"	2	4	45	200	easy connector	25A	<b>642.88</b>
<b>32441</b>	15 - 30	5/10/"H"	1	6	54	200	easy connector	32A	<b>734.88</b>
<b>32442</b>	15 - 30	5/10/"H"	2	6	54	200	easy connector	32A	<b>679.68</b>
<b>32454</b>	15 - 30	5/10/"H"	1	10	54	200	easy connector	63A	<b>849.88</b>
<b>32455</b>	15 - 30	5/10/"H"	2	10	54	200	easy connector	63A	<b>893.58</b>
<b>32459</b>	15 - 30	5/10/"H"	2	10	81	200	easy connector	63A	<b>930.38</b>

**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*)

<b>32214</b>	15 - 30	5/10/"H"	top connection	108	222	busbar adaptor	200A	<b>1 748.06</b>
<b>32215</b>	15 - 30	5/10/"H"	bottom connection	108	222	busbar adaptor	200A	<b>1 788.31</b>
<b>32168</b>	15 - 30	5/10/"H"	top connection	110	320	busbar adaptor	250A	<b>2 039.02</b>
<b>32004*</b>	15 - 30	5/10/"H"	top/bottom	184	320	busbar adaptor	630A	<b>4 145.88</b>

\* With top or bottom connection

**Busbar mounted fuse bases**

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

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

**NH DIN fuse holders (blade type fuses)**

<b>03370</b>	15 - 30	5/10/"H"	1 pole	"00"	busbar mounted NH fuse base	160A	<b>356.52</b>
<b>03656</b>	15 - 30	5/10/"H"	3 pole	"00"	busbar mounted NH fuse base	160A	<b>1 222.49</b>
<b>03301</b>	15 - 30	5/10/"H"	3 pole	"1"	busbar mounted NH fuse base	250A	<b>5 957.19</b>
<b>03693</b>	15 - 30	5/10/"H"	3 pole	"2"	busbar mounted NH fuse base	400A	<b>7 868.55</b>

**NH fuse protection covers**

<b>79448</b>		1 pole	"00"	grip lug cover for NH fuses	-	<b>54.06</b>
<b>79449</b>		1 pole	1-2-3	grip lug cover for NH fuses	-	<b>71.31</b>

**Cylindrical fuse holders 10 x 38 mm**

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

<b>31570</b>	30 mm	5/10	1 pole	10 x 38	1000 VDC busbar mount f/holder	30A	<b>113.86</b>
<b>31572</b>	20 mm	5/10	1 pole	10 x 38	1000 VDC busbar mount f/holder	30A	<b>113.86</b>

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

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

<b>31954</b>	15-30	5/10/"H"	3 pole	10 x 38	busbar mount fuse base	160A	<b>1 256.99</b>
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**Bus-mounted fuse switch disconnectors (top or bottom connection)**

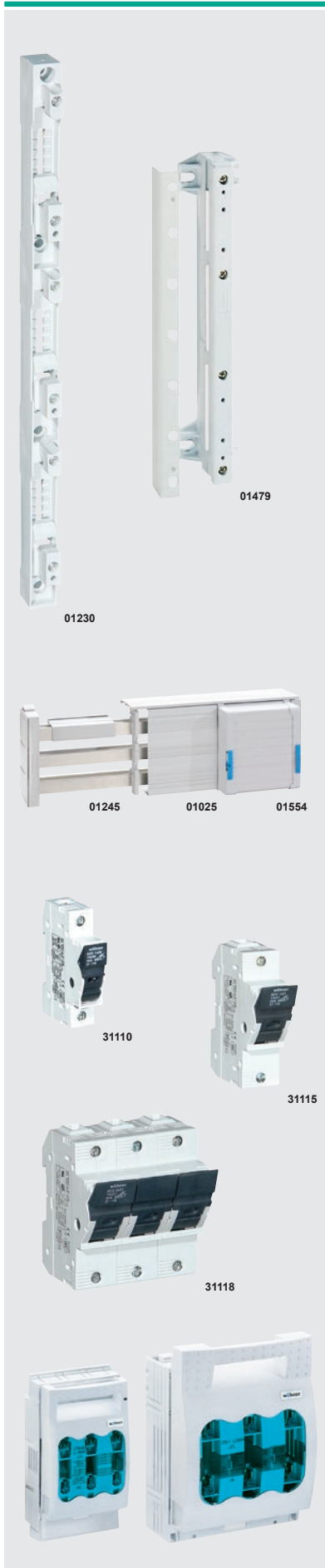
- Bus-mounting fuse switch disconnector, top/bottom connection

**Horizontal mount**

<b>33216</b>	15 - 30	5/10/"H"	3 pole	"000"	busbar mounted NH fuse base	125A	<b>2 076.97</b>
<b>33398</b>	15 - 30	5/10/"H"	3 pole	"00"	busbar mounted NH fuse base	160A	<b>2 091.92</b>
<b>33601</b>	15 - 30	5/10/"H"	3 pole	"1"	busbar mounted NH fuse base	250A	<b>5 384.47</b>
<b>33602</b>	15 - 30	5/10/"H"	3 pole	"2"	busbar mounted NH fuse base	400A	<b>8 724.18</b>
<b>33603</b>	15 - 30	5/10/"H"	3 pole	"3"	busbar mounted NH fuse base	630A	<b>13 213.92</b>

**Vertical mount (in-line)**

<b>33234</b>	15 - 30	5/10/"H"	3 pole	"00"	in-line bus mounted NH fuse base	160A	<b>3 599.62</b>
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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	price
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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

<b>01479</b>	30 - 60 mm	10 mm	3	universal 100 mm busbar support	1250A	<b>862.53</b>
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**End covers for above busbar supports provides insulated protection of busbar ends**

<b>01254</b>	end cover		3	for above <b>01479</b> busbar supports		<b>211.61</b>
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**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.

<b>01230</b>	30 - 120 mm	10 mm	3	universal 185 mm busbar support	2500A	<b>997.09</b>
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**End covers for above busbar supports provides insulated protection of busbar ends**

<b>33341</b>	end cover		3	for above <b>01230</b> busbar supports		<b>1 013.19</b>
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**Accessories for busbar systems**

**Busbar covers**

<b>01245</b>	30	10		single busbar cover (clips directly onto busbar)	1 met	<b>412.87</b>
<b>01252</b>	30	"H" profile		single busbar cover (clips directly onto busbar)	2 met	<b>688.88</b>
<b>01025</b>	3 pole reserve section cover (requires <b>01026</b> support for cover)				0.7 met	<b>657.83</b>
<b>01026</b>	support for reserve section cover 32 mm high (clips directly onto busbars)					<b>158.71</b>
<b>01320</b>	support for reserve section cover 107 mm high (clips directly onto busbars)					<b>204.71</b>

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

<b>01136</b>	(left + right) support for cover section			(clips directly onto busbars)		<b>485.32</b>
<b>01554</b>	front cover section			(requires <b>01136</b> supports)	1.1 met	<b>934.98</b>
<b>01555</b>	top/bottom cover section			(requires <b>01136</b> supports)	1.1 met	<b>604.92</b>

**Surface/rail mount fuse holders and switch disconnectors**

type		no. poles	fuse size	description	rated current	price
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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

<b>31110</b>	DIN rail mounting	1	10 x 38	cylindrical fuse holder	32A	<b>73.61</b>
<b>31113</b>	DIN rail mounting	3	10 x 38	cylindrical fuse holder	32A	<b>230.01</b>
<b>31115</b>	DIN rail mounting	1	14 x 51	cylindrical fuse holder	50A	<b>512.92</b>
<b>31118</b>	DIN rail mounting	3	14 x 51	cylindrical fuse holder	50A	<b>601.47</b>
<b>31120</b>	DIN rail mounting	1	22 x 58	cylindrical fuse holder	125A	<b>726.83</b>
<b>31123</b>	DIN rail mounting	3	22 x 58	cylindrical fuse holder	125A	<b>2 177.02</b>

**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

<b>33217</b>	fuse switch/holder	3	C00	fuse switch disconnector	125A	<b>1 451.35</b>
<b>33222</b>	fuse switch/holder	3	00	fuse switch disconnector	165A	<b>1 354.75</b>
<b>33201</b>	fuse switch/holder	3	1	fuse switch disconnector	250A	<b>3 934.28</b>
<b>33202</b>	fuse switch/holder	3	2	fuse switch disconnector	400A	<b>6 353.95</b>
<b>33203</b>	fuse switch/holder	3	3	fuse switch disconnector	630A	<b>8 169.86</b>
<b>33204</b>	fuse switch/holder	3	4	fuse switch disconnector	1600A	<b>32 109.01</b>



### 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



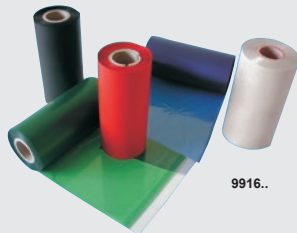
### Thermal transfer printer for customised marking of tags on a sheet

#### 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	price
<b>MG3</b>	MARKINGENIUS MG3 thermal transfer printer for marking tags and legends	<b>104 314.30</b>

#### Accessories and spares for MG3 printers

##### MG2-ETR ribbons for MARKINGENIUS MG3 thermal transfer printer ribbon

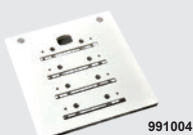
type	width (mm)	length (meters)	colour	description	Pantone ref.	price
<b>991600</b>	120	200	black	thermal transfer printer ribbon	Black C	<b>2 868.19</b>
<b>991601</b>	120	200	blue	thermal transfer printer ribbon	2935C	<b>5 098.11</b>
<b>991602</b>	120	200	red	thermal transfer printer ribbon	186C	<b>5 098.11</b>
<b>991606</b>	120	200	white	thermal transfer printer ribbon	-	<b>5 098.11</b>
<b>VALMG</b>	transportation case with wheels for MG3 thermal transfer printer					<b>15 939.50</b>

#### Support templates for MG3 printer

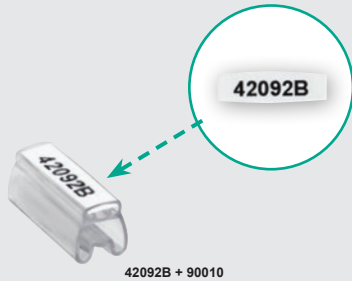
<b>991000*</b>	MG2-PWC	support template for cable tags <b>MG-TPM</b>	<b>3 795.12</b>
<b>991002*</b>	MG2-PLT	support template for legends, labels, signs and all <b>serieFLAT</b>	<b>3 795.12</b>
<b>991011*</b>	MG2-QTB	support template for terminal markers <b>MG-CPM-01/02/03/04/07/11</b>	<b>3 795.12</b>
<b>991008</b>	MG2-QTB	support template for terminal markers <b>MG-CPM-01</b>	<b>3 795.12</b>
<b>991004</b>	MG2-WTB	support template for terminal markers <b>MG-CPM-05/12</b>	<b>3 795.12</b>
<b>991010</b>	MG2-PTM	support template for cable tags <b>MG-TDMO &amp; MG-TDM (4 - 16 mm)</b>	<b>3 795.12</b>

\* Usually supplied with MG3 printer

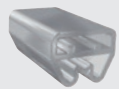
<b>991670</b>	MG2-CKP	print head cleaning kit (template, pad & cleaning fluid)	<b>4 577.15</b>
<b>992150</b>	MG2-CNP	replacement pads for above cleaning kit <b>MG2-CKP (5 pcs)</b>	<b>5 493.31</b>
<b>991671</b>	MG2-CHS	replacement cleaning fluid for above cleaning kit <b>MG2-CKP</b>	<b>1 593.95</b>



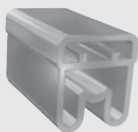
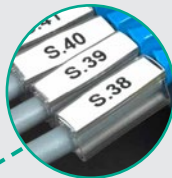




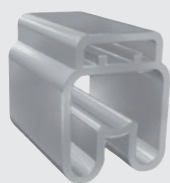
42092B + 90010



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 <sup>2</sup> )	SW code	colour	description	tags per sheet	tags per box	price 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)

<b>42091B</b>	4 x 12	—	<b>505</b>	white	slide-in tags for PMF holders	80	4000	<b>4 634.65</b>
<b>42092B</b>	4 x 15	—	<b>503</b>	white	slide-in tags for PMF holders	80	4000	<b>4 634.65</b>
<b>42093B</b>	4 x 20	—	<b>504</b>	white	slide-in tags for PMF holders	64	1600	<b>2 502.48</b>
<b>42096B</b>	4 x 30	—	<b>509</b>	white	slide-in tags for PMF holders	48	1200	<b>2 726.74</b>
<b>42097B</b>	4 x 40	—	<b>508</b>	white	slide-in tags for PMF holders	32	800	<b>2 400.13</b>
<b>42041B</b>	4 x 12	—	<b>505</b>	yellow	slide-in tags for PMF holders	80	4000	<b>5 278.67</b>
<b>42042B</b>	4 x 15	—	<b>503</b>	yellow	slide-in tags for PMF holders	80	4000	<b>5 278.67</b>
<b>42043B</b>	4 x 20	—	<b>504</b>	yellow	slide-in tags for PMF holders	64	1600	<b>2 853.24</b>
<b>42046B</b>	4 x 30	—	<b>509</b>	yellow	slide-in tags for PMF holders	48	1200	<b>3 098.20</b>
<b>42047B</b>	4 x 40	—	<b>508</b>	yellow	slide-in tags for PMF holders	32	800	<b>2 724.44</b>

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 <sup>2</sup> )	colour	description	std pack qty	price per pack
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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

<b>90010</b>	4 x 12	0.25-0.5	t/parent	slide-on transparent tag holder	7000	<b>2 478.33</b>
<b>90020</b>	4 x 15	0.25-0.5	t/parent	slide-on transparent tag holder	6000	<b>2 974.00</b>
<b>90040</b>	4 x 20	0.25-0.5	t/parent	slide-on transparent tag holder	4000	<b>2 266.73</b>
<b>90070</b>	4 x 30	0.25-0.5	t/parent	slide-on transparent tag holder	2000	<b>1 995.32</b>
<b>90090</b>	4 x 40	0.25-0.5	t/parent	slide-on transparent tag holder	2500	<b>3 009.65</b>

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

<b>90110</b>	4 x 12	0.5 - 2.5	t/parent	slide-on transparent tag holder	5000	<b>2 252.93</b>
<b>90120</b>	4 x 15	0.5 - 2.5	t/parent	slide-on transparent tag holder	4000	<b>2 034.42</b>
<b>90140</b>	4 x 20	0.5 - 2.5	t/parent	slide-on transparent tag holder	3000	<b>1 835.46</b>
<b>90170N</b>	4 x 30	0.5 - 2.5	t/parent	slide-on transparent tag holder	1500	<b>1 738.86</b>
<b>90190N</b>	4 x 40	0.5 - 2.5	t/parent	slide-on transparent tag holder	500	<b>615.27</b>

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

<b>90210</b>	4 x 12	2.5 - 4	t/parent	slide-on transparent tag holder	4000	<b>2 086.17</b>
<b>90220</b>	4 x 15	2.5 - 4	t/parent	slide-on transparent tag holder	3000	<b>1 738.86</b>
<b>90240</b>	4 x 20	2.5 - 4	t/parent	slide-on transparent tag holder	2000	<b>1 300.70</b>
<b>90270N</b>	4 x 30	2.5 - 4	t/parent	slide-on transparent tag holder	500	<b>615.27</b>
<b>90290N</b>	4 x 40	2.5 - 4	t/parent	slide-on transparent tag holder	500	<b>672.78</b>

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

<b>90310</b>	4 x 12	4 - 10	t/parent	slide-on transparent tag holder	2000	<b>1 159.24</b>
<b>90320</b>	4 x 15	4 - 10	t/parent	slide-on transparent tag holder	2000	<b>1 275.39</b>
<b>90340</b>	4 x 20	4 - 10	t/parent	slide-on transparent tag holder	1000	<b>824.58</b>
<b>90370N</b>	4 x 30	4 - 10	t/parent	slide-on transparent tag holder	500	<b>672.78</b>
<b>90390N</b>	4 x 40	4 - 10	t/parent	slide-on transparent tag holder	500	<b>782.03</b>

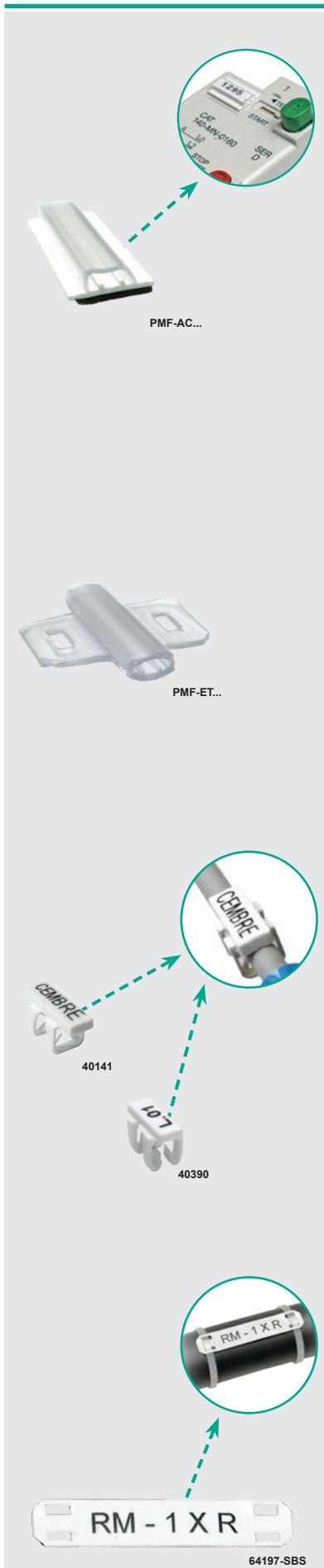
**PMF-04** for cable ext. Ø diameter 6 - 10 mm

<b>90420</b>	4 x 15	10 - 25	t/parent	slide-on transparent tag holder	1000	<b>824.58</b>
<b>90440N</b>	4 x 20	10 - 25	t/parent	slide-on transparent tag holder	1000	<b>1 218.83</b>
<b>90470</b>	4 x 30	10 - 25	t/parent	slide-on transparent tag holder	500	<b>862.53</b>
<b>90490N</b>	4 x 40	10 - 25	t/parent	slide-on transparent tag holder	250	<b>562.37</b>

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

<b>90520N</b>	4 x 15	25 - 70	t/parent	slide-on transparent tag holder	500	<b>724.53</b>
<b>90540</b>	4 x 20	25 - 70	t/parent	slide-on transparent tag holder	250	<b>461.17</b>
<b>90570N</b>	4 x 30	25 - 70	t/parent	slide-on transparent tag holder	250	<b>699.23</b>
<b>90590</b>	4 x 40	25 - 70	t/parent	slide-on transparent tag holder	100	<b>377.22</b>

Larger sizes up to 240 mm<sup>2</sup> 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	price per pack
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**PMF transparent holders for MG-TPMF series FLAT cable tags 4 mm**

- 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**

<b>66010N</b>	4 x 12	adhesive	t/parent	self adhesive 4 mm tag holder	4000	<b>7 595.99</b>
<b>66020N</b>	4 x 15	adhesive	t/parent	self adhesive 4 mm tag holder	4000	<b>10 092.72</b>
<b>66040N</b>	4 x 20	adhesive	t/parent	self adhesive 4 mm tag holder	3000	<b>14 191.45</b>
<b>66070N</b>	4 x 30	adhesive	t/parent	self adhesive 4 mm tag holder	2000	<b>9 847.76</b>
<b>66090N</b>	4 x 40	adhesive	t/parent	self adhesive 4 mm tag holder	1000	<b>6 880.67</b>

**PMF-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

<b>63020</b>	4 x 15	tie mount	1 tie	t/parent	tie-on transparent tag holder	2000	<b>3 501.86</b>
<b>63040N</b>	4 x 20	tie mount	1 tie	t/parent	tie-on transparent tag holder	2000	<b>4 055.03</b>
<b>63070</b>	4 x 30	tie mount	1 tie	t/parent	tie-on transparent tag holder	1000	<b>2 941.80</b>
<b>63090</b>	4 x 40	tie mount	2 ties	t/parent	tie-on transparent tag holder	500	<b>1 667.56</b>

**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-47) **3 795.12**

type	size (mm)	for cable (mm <sup>2</sup> )	SW code	colour	description	tags per sheet	price per box
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**MG-TDM slide-on one piece marking tags (pre - termination)**

<b>MG-TDM-01</b>	for cable external Ø diameter		1.6 - 3.25 mm				
<b>40141</b>	4 x 16	0.5-1.5	<b>123</b>	yellow	slide-on cable marker tags	40 800	<b>1 761.86</b>
<b>MG-TDM-02</b>	for cable external Ø diameter		2 - 4.4 mm				
<b>40241</b>	4 x 16	1 - 6	<b>124</b>	yellow	slide-on cable marker tags	40 640	<b>1 408.80</b>

**MG2-TDMO clip-on one piece marking tags (post termination)**

<b>MG2-TDMO-01</b>	for cable external Ø diameter		2 - 2.9 mm				
<b>40390</b>	4 x 12	0.5 - 1.5	<b>125</b>	white	slide-on cable marker tags	40 880	<b>1 761.86</b>
<b>40391</b>	4 x 16	0.5 - 1.5	<b>128</b>	white	slide-on cable marker tags	40 880	<b>1 976.92</b>
<b>MG2-TDMO-02</b>	for cable external Ø diameter		2.9 - 3.5 mm				
<b>40490</b>	4 x 12	1.5 - 2.5	<b>126</b>	white	slide-on cable marker tags	40 640	<b>1 231.69</b>
<b>40491</b>	4 x 16	1.5 - 2.5	<b>129</b>	white	slide-on cable marker tags	40 640	<b>1 408.80</b>
<b>MG2-TDMO-03</b>	for cable external Ø diameter		4 - 4.6 mm				
<b>40590</b>	4 x 12	4 - 6	<b>127</b>	white	slide-on cable marker tags	40 560	<b>1 121.29</b>
<b>40591</b>	4 x 16	4 - 6	<b>130</b>	white	slide-on cable marker tags	40 560	<b>1 258.14</b>

**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)

<b>64192-SBS</b>	13 x 57	—	<b>581</b>	white	11 x 35 mm tie mount cable tags	14 700	<b>5 141.82</b>
<b>64142-SBS</b>	13 x 57	—	<b>581</b>	yellow	11 x 35 mm tie mount cable tags	14 700	<b>6 204.45</b>
<b>64293-SBS</b>	15 x 95	—	<b>584</b>	white	13 x 73 mm tie mount cable tags	5 250	<b>4 585.20</b>
<b>64197-SBS</b>	28 x 57	—	<b>591</b>	white	26 x 35 mm tie mount cable tags	6 300	<b>3 854.93</b>
<b>64147-SBS</b>	28 x 57	—	<b>591</b>	yellow	26 x 35 mm tie mount cable tags	6 300	<b>4 494.35</b>

Other colours available on request.

**9 mm marking tags and holders**

type	size (mm)	SW code	colour	description	tags per sheet	tags per box	price per 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

<b>49090N</b>	9 x 20	<b>362</b>	white	push-in legends for PMT holders	55	2750	<b>9 275.05</b>
<b>49091N</b>	9 x 35	<b>364</b>	white	push-in legends for PMT holders	33	1650	<b>8 794.33</b>
<b>49095N</b>	9 x 70	<b>378</b>	white	push-in legends for PMT holders	11	550	<b>10 259.48</b>
<b>49040N</b>	9 x 20	<b>362</b>	yellow	push-in legends for PMT holders	55	2750	<b>11 346.26</b>
<b>49041N</b>	9 x 35	<b>364</b>	yellow	push-in legends for PMT holders	33	1650	<b>10 610.24</b>
<b>49045N</b>	9 x 70	<b>378</b>	yellow	push-in legends for PMT holders	11	550	<b>10 442.33</b>

**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

<b>49290N</b>	9 x 12	<b>960</b>	white	precut self adhesive blank legends	88	2200	<b>8 765.58</b>
<b>49397N</b>	9 x 15	<b>961</b>	white	precut self adhesive blank legends	77	1925	<b>11 661.37</b>
<b>49190N</b>	9 x 20	<b>962</b>	white	precut self adhesive blank legends	55	1375	<b>9 045.04</b>
<b>49191N</b>	9 x 35	<b>964</b>	white	precut self adhesive blank legends	33	825	<b>9 330.25</b>
<b>49240N</b>	9 x 12	<b>960</b>	yellow	precut self adhesive blank legends	88	2200	<b>10 450.38</b>
<b>49347N</b>	9 x 15	<b>961</b>	yellow	precut self adhesive blank legends	77	1925	<b>12 385.89</b>
<b>49140N</b>	9 x 20	<b>962</b>	yellow	precut self adhesive blank legends	55	1375	<b>11 151.90</b>
<b>49141N</b>	9 x 35	<b>964</b>	yellow	precut self adhesive blank legends	33	825	<b>10 971.35</b>

**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	price per pack
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**PMT-AC** self adhesive tag holder for surface mounting of 9 mm marking tags

<b>59042N</b>	9 x 20	adhesive	t/parent	self adhesive tag holder	500	<b>3 013.10</b>
<b>59050N</b>	9 x 35	adhesive	t/parent	self adhesive tag holder	500	<b>6 041.14</b>

**PMF-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

<b>64040</b>	9 x 20	1 tie	t/parent	tie-on transparent tag holder	1000	<b>2 247.18</b>
<b>64050</b>	9 x 35	2 tie	t/parent	tie-on transparent tag holder	500	<b>1 622.71</b>

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

<b>54013</b>	9 x 55	2 tie	t/parent	55 mm t/parent tie-on tag holder	500	<b>1 899.86</b>
<b>54014</b>	9 x 90	2 tie	t/parent	90 mm t/parent tie-on tag holder	250	<b>1 529.55</b>

**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-TAPW** self adhesive rail, accepts 9 mm legends

<b>990506N</b>	1 met	adhesive	grey	adhesive rail holder for 9 mm legend	25	<b>4 584.05</b>
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**RT-CCWS** transparent protective strip for above rail

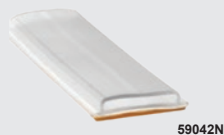
<b>990734</b>	1 met	RT-CCWS	t/parent	protective strip for above 9 mm rails	25	<b>1 919.42</b>
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49040N



MG-TAA



59042N



64040



990506N



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	price per 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

<b>47090N</b>	15 x 17	<b>165</b>	white	slide-in markers for 15 mm holders	42	1050	<b>2 508.23</b>
<b>47091N</b>	15 x 27	<b>166</b>	white	slide-in markers for 15 mm holders	28	1400	<b>4 037.78</b>
<b>47092N</b>	15 x 49	<b>167</b>	white	slide-in markers for 15 mm holders	14	700	<b>4 604.75</b>
<b>47093</b>	15 x 67	<b>188</b>	white	slide-in markers for 15 mm holders	14	350	<b>4 278.14</b>

**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

<b>990768N</b>	15 x 17.5	<b>321</b>	white	1 module legend for rail holders	42	1050	<b>3 284.51</b>
<b>990766N</b>	15 x 35	<b>322</b>	white	2 module legend for rail holders	21	1050	<b>5 170.57</b>
<b>990764N</b>	15 x 52.5	<b>323</b>	white	3 module legend for rail holders	14	700	<b>6 641.46</b>
<b>990762</b>	15 x 70	<b>324</b>	white	4 module legend for rail holders	6	300	<b>6 517.26</b>
<b>990755</b>	15 x 87.5	<b>325</b>	white	5 module legend for rail holders	6	300	<b>6 517.26</b>
<b>990798N</b>	15 x 107.5	<b>329</b>	white	6 module legend for rail holders	7	350	<b>5 090.06</b>
<b>990883</b>	15 x 140	<b>331</b>	white	8 module legend for rail holders	7	350	<b>6 641.46</b>

**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)

<b>49192N</b>	15 x 17	<b>965</b>	white	precut self adhesive blank legends	42	1050	<b>9 475.15</b>
<b>49193N</b>	15 x 27	<b>966</b>	white	precut self adhesive blank legends	28	700	<b>6 528.76</b>
<b>49194N</b>	15 x 49	<b>967</b>	white	precut self adhesive blank legends	14	350	<b>6 204.45</b>
<b>49195</b>	15 x 67	<b>977</b>	white	precut self adhesive blank legends	14	350	<b>12 523.90</b>

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

<b>990824</b>	15 x 107.5	<b>929</b>	white	6 module self adhesive legends	7	175	<b>5 627.13</b>
<b>990880</b>	15 x 140	<b>931</b>	white	8 module self adhesive legends	7	175	<b>5 728.33</b>

**PMT** transparent legend holders for **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	price per pack
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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

<b>59002N</b>	15 x 17	adhesive	t/parent	self adhesive 15 mm tag holder	500	<b>3 743.37</b>
<b>59010N</b>	15 x 27	adhesive	t/parent	self adhesive 15 mm tag holder	1000	<b>9 326.80</b>
<b>59020N</b>	15 x 49	adhesive	t/parent	self adhesive 15 mm tag holder	500	<b>8 415.97</b>
<b>59030N</b>	15 x 67	adhesive	t/parent	self adhesive 15 mm tag holder	250	<b>6 112.45</b>

**PMF-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

<b>65000</b>	15 x 17	1 tie	t/parent	tie-on transparent tag holder	500	<b>1 087.94</b>
<b>65010</b>	15 x 27	1 tie	t/parent	tie-on transparent tag holder	500	<b>1 529.55</b>
<b>65020</b>	15 x 49	2 tie	t/parent	tie-on transparent tag holder	250	<b>1 039.64</b>
<b>65030</b>	15 x 67	2 tie	t/parent	tie-on transparent tag holder	250	<b>1 437.55</b>



**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	price per box
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**Holder/base to receive MG-TAP 15 mm pre-printed legends**

**PLR** *rectangular legend support/base - rivet fixing*

<b>34202</b>	15 x 17	rivet	black	17 x 20	legend holder/base	100		<b>1 561.75</b>
<b>34302</b>	15 x 27	rivet	black	17 x 30	legend holder/base	100		<b>1 683.66</b>
<b>34402</b>	15 x 49	rivet	black	17 x 52	legend holder/base	100		<b>2 080.42</b>
<b>34502</b>	15 x 67	rivet	black	17 x 70	legend holder/base	100		<b>2 323.08</b>

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

<b>34102</b>	15 x 27	Ø 22.5	black	48 X 30	p/button legend holder	100		<b>1 561.75</b>
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**MG-TAP-CCS** transparent protective covers for above legend supports

<b>990508N</b>	15 x 17	165	t/parent		covers for legend supports	42	1050	<b>4 075.73</b>
<b>990510N</b>	15 x 27	166	t/parent		covers for legend supports	28	1400	<b>7 930.65</b>
<b>990513N</b>	15 x 49	167	t/parent		covers for legend supports	14	700	<b>7 606.34</b>
<b>990514N</b>	15 x 67	168	t/parent		covers for legend supports	14	350	<b>6 589.71</b>

**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*

<b>990454</b>	430 mm	rivet	black		rail holder for 15 mm legend	25		<b>1 735.41</b>
<b>990664</b>	650 mm	rivet	black		rail holder for 15 mm legend	25		<b>2 509.38</b>

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

<b>990525N</b>	1 met	adhesive	black		adhesive rail holder for 15 mm legend	25		<b>3 664.02</b>
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**RT-CCPS** *transparent protective strip for above rail*

<b>990735</b>	1 met	RT-CCPS	t/parent		protective strip for above rails	25		<b>1 919.42</b>
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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	price per box
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**MG-PTS** Ø22.5 mm precut legends for pushbuttons

<b>15090</b>	40 x 30	<b>1000</b>	white	Ø 22.5 mm pushbutton legend	6	300	<b>5 780.09</b>
<b>15040</b>	40 x 30	<b>1000</b>	yellow	Ø 22.5 mm pushbutton legend	6	300	<b>6 969.22</b>
<b>15000</b>	40 x 30	<b>1000</b>	black	Ø 22.5 mm pushbutton legend	6	300	<b>8 647.13</b>
<b>15091</b>	50 x 30	<b>1001</b>	white	Ø 22.5 mm pushbutton legend	6	300	<b>5 780.09</b>
<b>15041</b>	50 x 30	<b>1001</b>	yellow	Ø 22.5 mm pushbutton legend	6	300	<b>6 969.22</b>
<b>15001</b>	50 x 30	<b>1001</b>	black	Ø 22.5 mm pushbutton legend	6	300	<b>8 647.13</b>

**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)

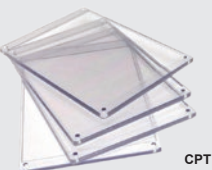
<b>88916</b>	25 x 50	<b>853</b>	white	precut self adhesive blank labels	8	200	<b>4 588.65</b>
<b>88900N</b>	32 x 58	<b>200</b>	white	precut self adhesive blank labels	6	150	<b>4 692.15</b>
<b>88945</b>	35 x 75	<b>825</b>	white	precut self adhesive blank labels	3	75	<b>4 562.20</b>
<b>88918</b>	50 x 50	<b>858</b>	white	precut self adhesive blank labels	4	100	<b>4 533.45</b>
<b>88901</b>	42 x 78	<b>202</b>	white	precut self adhesive blank labels	2	50	<b>4 179.24</b>
<b>88902</b>	62 x 88	<b>203</b>	white	precut self adhesive blank labels	1	25	<b>4 663.40</b>
<b>88903</b>	52 x 107	<b>204</b>	white	precut self adhesive blank labels	2	50	<b>4 179.24</b>
<b>88913</b>	92 x 118	<b>813</b>	white	precut self adhesive blank labels	1	25	<b>4 663.40</b>
<b>88904</b>	105 x 110	<b>812</b>	white	precut self adhesive blank labels	1	25	<b>4 663.40</b>



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	price per box
<b>MG-TAA</b> self adhesive, precut legends							
<b>49196</b>	7 x 20	<b>179</b>	white	precut self adhesive blank legends	60	1500	<b>6 431.01</b>
<b>49597</b>	7 x 44	<b>795</b>	white	precut self adhesive blank legends	28	700	<b>7 978.95</b>
<b>49498</b>	8.5 x 30	<b>720</b>	white	precut self adhesive blank legends	33	825	<b>9 330.25</b>
<b>49290N</b>	9 x 12	<b>960</b>	white	precut self adhesive blank legends	88	2200	<b>8 765.58</b>
<b>49397N</b>	9 x 15	<b>961</b>	white	precut self adhesive blank legends	77	1925	<b>11 661.37</b>
<b>49190N</b>	9 x 20	<b>962</b>	white	precut self adhesive blank legends	55	1375	<b>9 045.04</b>
<b>49191N</b>	9 x 35	<b>964</b>	white	precut self adhesive blank legends	33	825	<b>9 330.25</b>
<b>49193N</b>	15 x 27	<b>966</b>	white	precut self adhesive blank legends	28	700	<b>6 528.76</b>
<b>49194N</b>	15 x 49	<b>967</b>	white	precut self adhesive blank legends	14	350	<b>6 204.45</b>
<b>49195</b>	15 x 67	<b>977</b>	white	precut self adhesive blank legends	14	350	<b>12 523.90</b>
<b>49293</b>	20 x 48	<b>850</b>	white	precut self adhesive blank legends	10	250	<b>6 191.80</b>
<b>49294</b>	20 x 72	<b>851</b>	white	precut self adhesive blank legends	5	125	<b>7 115.28</b>

**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**)

<b>46915</b>	6 x 15	<b>181</b>	white	precut self adhesive blank labels	105	5250	<b>4 325.29</b>
<b>44891</b>	7 x 10	<b>191</b>	white	precut self adhesive blank labels	120	6000	<b>4 518.50</b>
<b>46928</b>	7 x 15	<b>182</b>	white	precut self adhesive blank labels	60	3000	<b>4 344.84</b>
<b>46935</b>	7 x 20	<b>190</b>	white	precut self adhesive blank labels	60	3000	<b>4 344.84</b>
<b>46914</b>	9 x 12	<b>160</b>	white	precut self adhesive blank labels	80	4000	<b>4 351.74</b>
<b>44895</b>	9 x 15	<b>161</b>	white	precut self adhesive blank labels	70	3500	<b>4 258.59</b>
<b>44896N</b>	9 x 20	<b>162</b>	white	precut self adhesive blank labels	55	2750	<b>4 549.55</b>
<b>46910N</b>	9 x 35	<b>164</b>	white	precut self adhesive blank labels	33	1650	<b>4 493.20</b>
<b>46921N</b>	15 x 27	<b>186</b>	white	precut self adhesive blank labels	28	1400	<b>4 722.05</b>
<b>46933N</b>	15 x 49	<b>187</b>	white	precut self adhesive blank labels	14	700	<b>4 388.54</b>
<b>46925</b>	25 x 50	<b>612</b>	white	precut self adhesive blank labels	8	400	<b>4 345.99</b>
<b>46926</b>	25 x 80	<b>613</b>	white	precut self adhesive blank labels	4	200	<b>4 344.84</b>

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

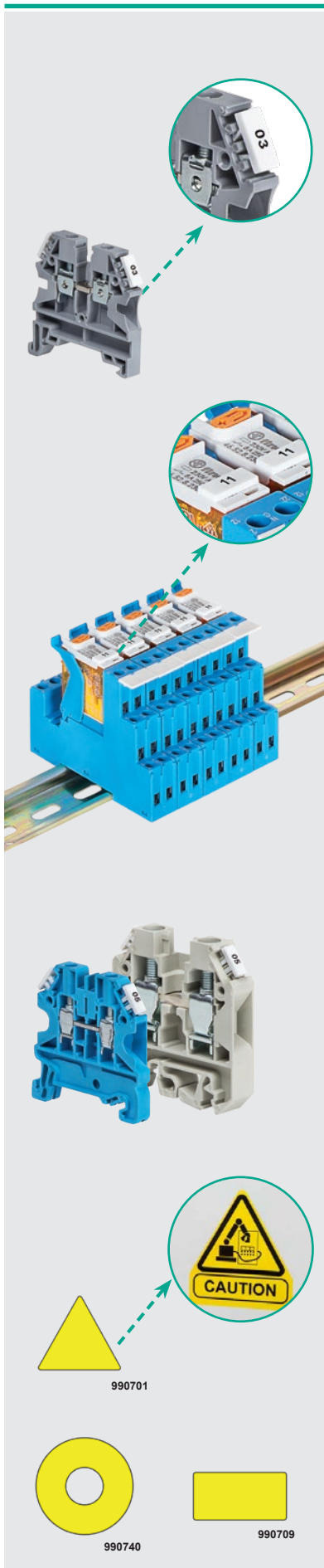
- Material: Rigid PVC - self extinguishing to class VO: UL 94
- Support template: **991002 MG2-PLT** (usually supplied with **MG3 printer**)

<b>48900N</b>	32 x 58	<b>200</b>	white	precut customisable panel plates	6	300	<b>5 780.09</b>
<b>48901</b>	42 x 78	<b>202</b>	white	precut customisable panel plates	2	100	<b>5 416.67</b>
<b>48902</b>	62 x 88	<b>203</b>	white	precut customisable panel plates	1	50	<b>5 612.18</b>
<b>48903</b>	52 x 107	<b>204</b>	white	precut customisable panel plates	2	100	<b>5 416.67</b>
<b>48913</b>	92 x 118	<b>813</b>	white	precut customisable panel plates	1	50	<b>5 612.18</b>

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

Polycarbonate covers can be used to increase durability (Ø 3 mm mounting holes)

						std pack qty	price per pack
<b>47590</b>	37 x 79	-	t/parent	covers for 32 x 58 panel plates		10	<b>863.68</b>
<b>47591</b>	47 x 98	-	t/parent	covers for 42 x 78 panel plates		10	<b>902.78</b>
<b>47594</b>	67 x 109	-	t/parent	covers for 62 x 88 panel plates		10	<b>1 009.74</b>
<b>47592</b>	57 x 127	-	t/parent	covers for 52 x 107 panel plates		10	<b>921.18</b>
<b>47593</b>	97 x 140	-	t/parent	covers for 92 x 118 panel plates		10	<b>1 805.56</b>

**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	price per 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 Entelec, Wago, Allen Bradley, ContaClip, Connectwell

<b>41094*</b>	5 x 7	<b>13</b>	white	terminal block marking tag	56	1960	<b>3 545.57</b>
<b>41090N</b>	5 x 10	<b>14</b>	white	terminal block marking tag	56	1960	<b>3 651.37</b>
<b>41091N</b>	5 x 15	<b>16</b>	white	offset terminal block marking tag	48	1680	<b>3 565.12</b>
<b>41095</b>	6 x 10	<b>17</b>	white	modular terminal block marking tag	48	1680	<b>3 039.55</b>
<b>41096</b>	8 x 10	<b>18</b>	white	modular terminal block marking tag	32	1120	<b>3 164.90</b>

\* Use support template **991008**, see **L-47**

**MG-CPM-04**

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

<b>41390N</b>	5 x 10	<b>42</b>	white	terminal block marking tag	48	1680	<b>3 130.40</b>
<b>41391</b>	6 x 10	<b>45</b>	white	modular terminal block marking tag	48	1344	<b>2 431.18</b>
<b>41396</b>	8 x 10	<b>48</b>	white	modular terminal block marking tag	32	1120	<b>3 164.90</b>

**MG-CPM-05**

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

• Support template:	<b>991004 MG2-WTB</b> support template for <b>MG-CPM-05</b>						
<b>41490</b>	5 x 10	<b>51</b>	white	terminal block marking tag	56	1960	<b>3 545.57</b>
<b>41494</b>	5 x 10	<b>51</b>	white	modular terminal marking tag	56	1960	<b>3 545.57</b>

**MG-CPM-07**

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

<b>41691</b>	5 x 10	<b>71</b>	white	terminal block marking tag	48	1680	<b>3 039.55</b>
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**MG-CPM-11**

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

<b>46392</b>	6 x 12	<b>106</b>	white	terminal block marking tag	48	1344	<b>2 431.18</b>
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**MG-CPM-13**

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

<b>41790</b>	5 x 12	<b>113</b>	white	terminal block marking tag	56	1960	<b>3 545.57</b>
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**MG-SIGNS-VY** self adhesive **panel labels**, warning, hazard, prohibition

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

<b>990700N</b>	50	<b>241</b>	yellow	self adhesive triangle warning sign	4	200	<b>4 171.19</b>
<b>990701</b>	100	<b>242</b>	yellow	self adhesive triangle warning sign	1	50	<b>3 733.23</b>
<b>990709</b>	34 x 74	<b>246</b>	yellow	self adhesive rectangular label	2	100	<b>3 772.82</b>
<b>990710</b>	52 x 105	<b>247</b>	yellow	self adhesive rectangular label	2	100	<b>4 055.03</b>
<b>990740</b>	∅ 62	<b>232</b>	yellow	round label for 22.5 mm hole	1	50	<b>4 236.74</b>
<b>990741</b>	∅ 90	<b>233</b>	yellow	round label for 22.5 mm hole	1	50	<b>4 012.48</b>



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) 288 x (W) 252 x (D) 460 mm

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

type	description	price
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**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

<b>ROLLY3000</b>	Thermal transfer printer for marking tags and legends on rolls	<b>123 858.88</b>
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**Accessories for ROLLY3000 printer**

type	width (mm)	length (met.)	colour	description	Pantone ref.	price
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<b>842112</b>	112	200	black	TPS-060 thermal t/fer printer ribbon	Black C	<b>3 476.56</b>
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**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	price per roll
<b>44091B</b>	4 x 12	<b>4022</b>	white	push-in tags for PMF 4 mm holders	12552	<b>14 386.96</b>
<b>44092B</b>	4 x 15	<b>4023</b>	white	push-in tags for PMF 4 mm holders	12552	<b>14 386.96</b>
<b>44093B</b>	4 x 20	<b>4005</b>	white	push-in tags for PMF 4 mm holders	10200	<b>15 698.00</b>
<b>44096B</b>	4 x 30	<b>4026</b>	white	push-in tags for PMF 4 mm holders	6270	<b>14 248.95</b>
<b>44097B</b>	4 x 40	<b>4007</b>	white	push-in tags for PMF 4 mm holders	5005	<b>13 501.43</b>
<b>44041B</b>	4 x 12	<b>4022</b>	yellow	push-in tags for PMF 4 mm holders	12552	<b>20 367.14</b>
<b>44042B</b>	4 x 15	<b>4023</b>	yellow	push-in tags for PMF 4 mm holders	12552	<b>20 367.14</b>
<b>44043B</b>	4 x 20	<b>4005</b>	yellow	push-in tags for PMF 4 mm holders	10200	<b>21 862.19</b>
<b>44046B</b>	4 x 30	<b>4026</b>	yellow	push-in tags for PMF 4 mm holders	6270	<b>20 551.15</b>
<b>44047B</b>	4 x 40	<b>4007</b>	yellow	push-in tags for PMF 4 mm holders	5005	<b>17 273.55</b>

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

<b>75098</b>	9 x 20	<b>4301</b>	white	push-in tags for PMT 9 mm holders	5800	<b>19 757.62</b>
<b>75099</b>	9 x 70	<b>4300</b>	white	push-in tags for PMT 9 mm holders	1450	<b>22 644.21</b>
<b>75049</b>	9 x 70	<b>4300</b>	yellow	push-in tags for PMT 9 mm holders	1450	<b>26 600.34</b>

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

<b>44192-SBS</b>	13 x 57	<b>4400</b>	white	tie-on cable and conduit tags	1775	<b>13 294.42</b>
<b>44142-SBS</b>	13 x 57	<b>4400</b>	yellow	tie-on cable and conduit tags	1775	<b>16 560.52</b>

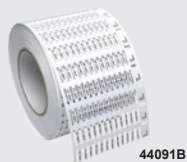
**STRIP-ROLL-R** modular component legend strips on a roll

- For use with RTA-TAP rail legend holder (page L-52)
- **SW code - 5002** - 430 mm / **SW 5102** - 630 mm / **SW 502** - 1000 mm

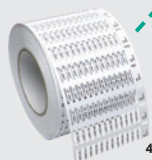
<b>13160</b>	15 mm	-	white	modular component legend strip	25 met	<b>8 159.51</b>
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**TTL** self-adhesive thermal transfer labels on a roll (Polyester film)

<b>8400008WPYG</b>	7 x 15	<b>4102</b>	white	self adhesive labels on a roll	32000	<b>12 569.90</b>
<b>8401010WPYG</b>	7 x 20	<b>4101</b>	white	self adhesive labels on a roll	24000	<b>10 813.79</b>
<b>8400092WPYG</b>	9 x 15	<b>4107</b>	white	self adhesive labels on a roll	26660	<b>12 017.88</b>
<b>8400017WPYG</b>	9 x 20	<b>4106</b>	white	self adhesive labels on a roll	19995	<b>10 167.47</b>
<b>8400094WPYG</b>	9 x 38	<b>4108</b>	white	self adhesive labels on a roll	13330	<b>12 788.41</b>
<b>8401008WPYG</b>	15 x 27	<b>4120</b>	white	self adhesive labels on a roll	13320	<b>13 892.44</b>
<b>8400038WPYG</b>	22 x 40	<b>4164</b>	white	self adhesive labels on a roll	4800	<b>8 280.26</b>
<b>8400073WPYG</b>	25 x 45	<b>4168</b>	white	self adhesive labels on a roll	5710	<b>13 167.92</b>
<b>8400042WPYG</b>	30 x 50	<b>4175</b>	white	self adhesive labels on a roll	2420	<b>7 321.13</b>
<b>8400072WPYG</b>	30 x 80	<b>4176</b>	white	self adhesive labels on a roll	2420	<b>11 184.11</b>
<b>8400051WPYG</b>	40 x 80	<b>4188</b>	white	self adhesive labels on a roll	2800	<b>16 261.51</b>
<b>8400083WPYG</b>	40 x 90	<b>4121</b>	white	self adhesive labels on a roll	1860	<b>12 799.91</b>



44091B



44192-SBS



84...WPYG







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CEMBRE

GLW  
Crimping Technology

CHAUVIN  
ARNOUX  
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