

# The universal connection for conductors larger than 2 AWG (35 mm²)

Handling:

- Open clamp by turning an Allen wrench counter-clockwise.
- Press integrated latch to open clamping unit for hands-free wiring.
- Insert conductor.
- A small counter-clockwise rotation closes the clamp, securing conductor.





# High-Current, Rail-Mounted Terminal Blocks High-Current Connectors

Side-Entry Wiring



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	Through Terminal Blocks and Ground Conductor Terminal Blocks 6 mm <sup>2</sup> to 35 mm <sup>2</sup> (10–2 AWG)	285 Series	168
	Power Tap for 35 mm <sup>2</sup> (2 AWG) Terminal Blocks 0.2 mm <sup>2</sup> to 6 mm <sup>2</sup> (24–10 AWG)	285 Series	168
	Through Terminal Blocks and Ground Conductor Terminal Blocks 10 mm <sup>2</sup> to 50 mm <sup>2</sup> (70 mm <sup>2</sup> ) / 8-1/0 AWG	285 Series	169
in.T	Power Tap for 50 mm <sup>2</sup> (1 AWG) Terminal Blocks 0.2 mm <sup>2</sup> to 6 mm <sup>2</sup> (24–10 AWG)	285 Series	169
	Through Terminal Blocks and Ground Conductor Terminal Blocks 25 mm <sup>2</sup> to 95 mm <sup>2</sup> (4-4/0 AWG)	285 Series	172
1 est	Power Tap for 95 mm <sup>2</sup> (4/0 AWG) Terminal Blocks 0.2 mm <sup>2</sup> to 10 mm <sup>2</sup> (24-8 AWG)	285 Series	172
	Through Terminal Blocks and Ground Conductor Terminal Blocks 50 mm <sup>2</sup> to 185 mm <sup>2</sup> (1/0 AWG – 350 kcmil)	285 Series	173
	Male and Female Connectors 6 mm <sup>2</sup> to 35 mm <sup>2</sup> (8–2 AWG)	834 Series	175



High-Current, Rail-Mounted Terminal Blocks 35 mm<sup>2</sup> 285 Series Δ

166 Conductor termination – Step 1



Insert operating tool and turn counterclockwise. Then push in orange locking tab for handsfree wiring.





Insert stripped conductor into the clamping unit until it hits backstop; hold conductor in position.

#### Conductor termination - Step 3



Unlock the locking tab with a short conterclockwise turn of the operating tool (1), when unlocked allow operating tool to rotate clockwise (2) to securely terminate the conductor.





Rail-mounted, high-current terminal blocks 35 mm²/AWG 2 and 50 mm²/AWG 1



POWER CAGE CLAMP clamps the following copper conductors: solid



stranded



fine-stranded, also with tinned single strands

Voltage tap



The voltage tap is inserted into the jumper contact slot. It can be fitted with a strain relief plate.

# – Description and Handling –

#### Commoning



1

Commoning adjacent terminal blocks using centrally positioned adjacent jumpers.



Slide the marking strip laterally to remove the jumper.

### Commoning with step-down jumpers

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Commoning from 35 mm<sup>2</sup>/AWG 2 POWER CAGE CLAMP terminal blocks to 10/16 mm<sup>2</sup> (AWG 8/10) TOPJOB®S terminal blocks (2010 and 2016 Series)

Step-down jumpers may common terminal blocks of differ-ent sizes, without losing a conductor clamping point. This can be beneficial on long conductor runs where voltage drop can be a problem. A large conductor can be easily connected to smaller conductors at the distribution point.

Step-down jumpers are simply pushed down for full insertion, similar to adjacent jumpers. Commoning may be made in either direction using the special thin end plate to cover the open side. Further terminal blocks of the smaller cross section may be commoned using standard adjacent jumpers.

In this case, pay attention that: The total current flowing does not exceed the rating of the step-down jumper.





Side-entry wiring means that even larger conductors, which offer limited flexibility, can be easily connected.

#### Marking



In addition to the WMB marking system, custom marking strips can also be used

Marking



Adapter for marking strips or 2 x WMB



fine-stranded, with ferrule (gastight crimped)



#### 4 High-Current, Through and Ground Conductor Terminal Blocks 35 mm<sup>2</sup> 285 Series



6 - 35 mm 1000 V/8 k I <sub>N</sub> 125 A Terminal bl	1 <sup>2</sup> kV/3 ① lock width 5 mm / 0.9	AWG 10 - 2 600 V, 115 A 600 V, 115 A 16 mm / 0.63 in 8 in <b>(2</b> )	<b>A)</b> B	0.2 - 6 mm 800 V/8 kV, I <sub>N</sub> 32 A Module wid	2 A /3 2 6 6 6 1 13 mm / 1 - 13 mm /	WG 24 - 10 00 V, 30 A <b>FN</b> 00 V, 32 A 0.315 in 0.49 in <b>(3</b>		
	86 m	m/3.99 in	▲63 mm/2.48 in		1			<ol> <li>1000 V = rated voltage 8 kV = rated surge voltage 3 = pollution degree (see Section 14)</li> <li>800 V = rated voltage 8 kV = rated surge voltage 3 = pollution degree (see Section 14)</li> <li>Strip length, see packaging or instructions.</li> <li>See application notes for: Step-down jumper, page 167</li> </ol>
	lte	em No.	Pack. Unit		Iter	n No.	Pack. Unit	
2-conductor	through ter	<b>minal block,</b> to be	e used exclu-	Voltage tap,				
sively on DIN	35 x 15 rail		15	for 35 mm² hig	gh-current tern	ninal blocks	-	
gray	28	5-135	15	🔵 gray	285	o-427	5	
2-conductor sively on DIN green-yell	ground terr 35 x 15 rail; ow 28	ninal block, to be 2.3 mm thick 5-137	used exclu- 15					
Item-Spee	cific Acce	ssories		Item-Spec	ific Acces	sories		
Adjacent jun	nper, insulate	ed,		Strain relief p	late, gray	7/0 / 0	100/105	
I	I <sub>N</sub> 85 A gray	285-435	50 (2x25)		I-pole	/69-410	100 (4x25)	
Shan da		nto al		Test				
4	I <sub>N</sub> 90 A gray	285-430	50 (2×25)	rest plug,	with 500 m 2 mm Ø	nm cable,		
Protective w	arnina mar	ker.		WMB Multim	red arking system	210-136 em.	50	
	with high-	voltage symbol, blo	ack		10 strips w	ith 10 markers pe	er card,	
E	yellow	285-420	100 (4x25)	annun	for termina	l widths 5 - 17.5	mm	
Finger quar	d.			WMB Multim	plain	/93-501 em.	5	
	touchproc	f cover protects un	iused conduc-		10 strips w	ith 10 markers pe	er card,	
-	tor entries		100/110-		stretchable	5 - 5.2 mm	_	
Test plug ad	yellow	285-421 mm wide.	100 (4x25)		plain	793-5501	5	
1	for 1.5 - 1 4 mm Ø t	6 mm <sup>2</sup> terminal blo est plug	ocks, for					
Operating to	gray ool with par	283-404 tially insulated st	25 naft,					
	type 3, (5	.5 x 0.8) mm blad	e					Always push voltage tap (283-407) down inte
1		210-721	1					terminal block until tully inserted!
Three-phase	set,							
	with 35m	m² high-current terr 285-139	ninal blocks 1					
Voltage tap,	, I <sub>N</sub> 24 A, with	500 mm cable, fo	or terminal					
L	blocks 16	mm <sup>2</sup> (283/783 S	eries) and					
	35 mm <sup>2</sup> (	283-407	25					
Marking stri	<b>p</b> , plain,	_00.407						
	ll mm w	de,						
S.	50 m roll	2000 110	1					
Copper carr	ier rail, acc.	to EN 60715,	1					
	35 x 15 r	nm, 2.3 mm,						
1	2 m/6'6"	long	1.5					
	unslotted	210-198	10					

Certification organizations can be found in the overview on pages 622 and 623.

# High-Current, Through and Ground Conductor Terminal Blocks 50 (70 "f-st") mm<sup>2</sup> **285 Series**

nm/3.43

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CAGE CLAMP®	



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10 - 50 (70 "f-st") mm<sup>2</sup> AWG 8 - 1/0 0.2 - 6 mm<sup>2</sup> 1000 V/8 kV/3 🌒 600 V, 150 A 🗫 1000 V/8 kV/3 1 600 V, 30 A 🔊 I<sub>N</sub> 150 A 600 V, 150 A@ I<sub>N</sub> 41 A Terminal block width 20 mm / 0.787 in Module width 16 mm / 0.63 in 12 - 13 mm / 0.49 in 2

30 mm / 1.18 in 2

94 mm/3.7 in



AWG 24 - 10

600 V, 41 A®

- 1000 V = rated voltage
   8 kV = rated surge voltage
   3 = pollution degree
- (see Section 14)
- 2 Strip length, see packaging or instructions.
- 3 Jumper can only be removed or inserted when the clamp is in closed position.

	Item N	No.	Pack. Unit		Iten	n No.	Pack. Unit
2-conductor t	nrough termind	<b>al block,</b> to be	used exclu-	Voltage tap,			
sively on DIN 3	15 x 15 rail			for 50 mm² hig	h-current term	iinal blocks	
🔵 gray	285-1	50	5	🔵 gray	285	-447	5
🔵 blue	285-1	54	5				
2-conductor o	round terming	<b>block</b> to be	used exclu				
sively on DIN 3	5 x 15 rail: 2.3	mm thick copy	ner				
green-yello	w 285-1	57	5				
Item-Speci	fic Accesso	ries		Item-Speci	ific Acces	sories	
Adjacent jum	<b>ser,</b> insulated,			Protective wa	rning marke	er,	
3	I <sub>N</sub> 150 A for 1	jumper,			with high-vo	oltage symbol, bla	ck,
	$I_N$ 130 A for 2	2 - 4 jumpers			for 5 termin	al blocks	
COLOR H	gray	285-450	100 (4x25)	Con	yellow	282-415	50 (2×25)
Protective wa	rning marker,			WMB Multi m	arking syste	em,	
	with high-volta	ge symbol, bla	ck		10 strips wi	th 10 markers per	· card,
- Store	yellow	285-440	50 (2x25)	mallin	for terminal	widths 5 - 17.5 m	im
				aver	plain	793-501	5
Finger guard,				WMB Multi m	arking syste	em,	
31	touchproof co	ver protects uni	used conduc-		10 strips wi	th 10 markers per	· card,
-	tor entries and	jumper slots			stretchable	5 - 5.2 mm	
	yellow	285-441	100 (4x25)	mar	plain	793-5501	5
Allen wrench	with partially i	insulated sha	ft				
~		285-172	1				
-							
Three-phase s	et,		· 111 1				
	with 50 mm <sup>2</sup> r	nigh-current terr	ninal blocks				
a. TTTTT		202-129	1				
MAAR Multim	arking system						
WIND MOIN IN	10 string with	, 10 markara pa	card				
	for terminal wi	dths 5 - 17 5 m	unu,				
am		793-501	5				
WMB Multim	arking system		0				
	10 strips with	, 10 markers per	card.				
	stretchable 5 -	5.2 mm					
	plain	793-5501	5				
Marking strip	, plain,						
	11 mm wide,						
<i>Q</i> .	50 m roll						
	white	2009-110	1				
Marker carrie	r, for POWER C	CAGE CLAMP					
	35/50/95 mr	m²,					
	10.4 mm wide	•					
All and a second	gray	285-442	25				
Copper carrie	<b>r rail,</b> acc. to El	N 60715,					
	35 x 15 mm, 2	2.3 mm,					
	2 m/6'6" long	9					
	unslotted	210-198	10				
Certification or	anizations can l	be found in the	overview on p	bages 622 and 6	523.		

escription and handling see pages 170 and 171



dapter for marking strips or 2 x WMB



# High-Current, Rail-Mounted Terminal Blocks 50 mm<sup>2</sup> to 185 mm<sup>2</sup> 285 Series

170 Conductor termination – Step 1



Rotate Allen wrench counterclockwise to the stop (1). Then, push in orange locking tab for hands-free wiring.





Insert stripped conductor until it hits backstop; hold this in position.

### Conductor termination – Step 3



Unlock the locking tab with a short counter-clockwise turn (2) of the Allen wrench to securely terminate the conductor.

#### Safety notes



For an optimum clamping force: 1. Bend conductor

2. Cut conductor to length (Conductor end must be

straight!) 3. Strip conductor

### Safety notes



Protective warning marker may indicate: Caution! Power is still on even after switching off the main switch!



Caution! Health hazard! Keep your fingers out of the conductor entry hole!

#### Grounding foot



Ground conductor terminal blocks (limited to max. 120 mm<sup>2</sup>/250 MCM acc. to EN 60947-7-2) must be snapped onto a 2.3 mm thick copper carrier rail.

#### **Touchproof protection**



Yellow, detachable covers provide touchproof safety by shielding jumper contact slots and/or unused conductor entries.



Rail-mounted, high-current terminal blocks 35 mm²/ AWG 2, 50 mm²/AWG 1, 95 mm²/AWG 4/0 and 185 mm²/350 kcmil



fine-stranded, also with tinned single strands



POWER CAGE CLAMP clamps the following copper conductors: solic



stranded

# - Description and Handling -

#### Commoning



Commoning with adjacent jumper: Inserting the jumper above the conductor entry hole – prior to conductor termination. The nominal cross section remains unchanged.



Removing jumper via operating tool.



#### Testing



POWER CAGE CLAMP®

Testing with touch-proof test sockets 4 mm Ø. (not offered by WAGO – e.g., mfd by Multi-Contact Deutschland GmbH)

#### Voltage tap



Reliably and easily tap directly onto the power supply. Insert the unwired tap before opening the pressure spring.

Marking



WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm<sup>2</sup> high-current terminal blocks.



Besides WMB markers, marking strips can also be directly accommodated on the 185 mm<sup>2</sup> (350 MCM) terminal block.



fine-stranded, with ferrule (gastight crimped) 4

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<b>4</b>	95 mm 285 Se	urrent Ihroug <sup>2</sup> ries	h/Gro	und Coi	nductor and E	x Term	ninal Blocks POWER CAGE CLAMP®
	25 - <b>95 mm</b> 1000 V/8 kV I <sub>N</sub> 232 A Terminal blo ∑	2         AWG 4 - 4/0           600 V, 200 AN         600 V, 210 AN           600 V, 210 AN         600 V, 210 AN           ck width 25 mm / 0.984         mm / 1.38 in (2)	<b>AL</b> In	0.2 - 10 mm 1000 V/8 kV I <sub>N</sub> 57 A Module widt	AWG 24 - 8 //3 2 th 20 mm / 0.787 in - 13 mm / 0.49 in 2		
l		107 mm/4.21 in	▲ 101 mm/3.98 in				<ul> <li>Max. connector size: 16 mm<sup>2</sup></li> <li>1000 V = rated voltage 8 kV = rated surge voltage 3 = pollution degree (see Section 14)</li> <li>Strip length, see packaging or instructions.</li> <li>Suitable for Ex e II applications 25 - 95 mm<sup>2</sup>/AWG 4 - 4/0 880 V, 211 A 1 jumper 211 A 2 - 4 jumpers 175 A 35 - 70 mm<sup>2</sup>/AWG 2 - 2/0 for ground conductor terminal blocks (see Section 14)</li> </ul>
		Item No.	Pack. Unit		Item No.	Pack. Unit	
	2-conductor th	rough terminal block,		Voltage tap, f	or 95 mm <sup>2</sup> high-current termin	al blocks	
	gray	285-195	5	🔵 gray	285-407	5	
	blue	285-194	5				
	Ulight gray 🕒	285-995 ④	5				
	2-conductor g	round terminal block, to be	used exclu-				
	green-yellov	v 285-197	5				
-							
	Item-Speci	fic Accessories		ltem-Speci	fic Accessories		
	Item-Speci	fic Accessories		Item-Speci Protective wa	fic Accessories		
	Item-Speci	fic Accessories er, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers		Item-Speci Protective wa	fic Accessories rning marker, with high-voltage symbol, bl	ack,	
	Item-Speci	In         232         A for 1         jumper,           In         130         A for 2 - 4         jumpers           gray         285-495	25	Item-Speci Protective wa	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415	ack, 50 (2x25)	
	Item-Speci Adjacent jump Protective wa	fic Accessories           per, insulated,           I <sub>N</sub> 232 A for 1 jumper,           I <sub>N</sub> 130 A for 2 - 4 jumpers           gray         285-495           rning marker,           with bich voltage symbol, block	25 ack	Item-Speci Protective wa UMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 ctries with 10 merkers p	ack, 50 (2x25)	
	Item-Speci Adjacent jump Protective wa	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170	25 ack 50 (2x25)	Item-Speci Protective wa WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pi for terminal widths 5 - 17.5	ack, 50 (2x25) er card, mm	
	Item-Speci Adjacent jump Protective war	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170	25 ack 50 (2x25)	Item-Speci Protective wa WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501	ack, 50 (2x25) er card, mm 5	
-	Item-Speci Adjacent jump Protective war Finger guard,	fic Accessories ber, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un	25 2ck 50 (2x25) used conduc-	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr 10 strips with 10 markers pr	ack, 50 (2x25) er card, mm 5 er card,	
	Item-Speci Adjacent jump Protective wa Finger guard,	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots	25 ack 50 (2x25) used conduc-	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm	ack, 50 (2x25) er card, mm 5 er card,	
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench	fic Accessories	25 ack 50 (2x25) used conduc- 25	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	TU CO MARCA
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho	25 ack 50 (2x25) used conduc- 25 ff	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	CICO RA DI CO RA NOTORA
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, bla yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated show	25 ack 50 (2x25) used conduc- 25 ff 1	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	TC CC AAA
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench Allen wrench Three-phase s	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et,	25 ack 50 (2x25) used conduc- 25 ff 1	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	CONTRACTOR A
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et, with 95mm <sup>2</sup> high-current terr 285-199	25 ack 50 (2x25) used conduc- 25 aft 1 ninal blocks 1	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench Allen wrench Three-phase s	fic Accessories ber, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et, with 95mm <sup>2</sup> high-current terr 285-199 ail, acc. to EN 60715,	25 ack 50 (2x25) used conduc- 25 aft 1 ninal blocks 1	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	A           A           A           A           A           A           A           A           A           A           A           A           A           A
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench Allen wrench Three-phase s	fic Accessories	25 ack 50 (2x25) used conduc- 25 ff 1 ninal blocks 1	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench Allen wrench Three-phase s Steel carrier r	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et, with 95mm <sup>2</sup> high-current terr 285-199 ail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/ó'6″ long unslotted 210-118	25 ack 50 (2x25) used conduc- 25 <b>ff</b> 1 ninal blocks 1	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench Allen wrench Steel carrier ro Copper carrier	fic Accessories	25 ack 50 (2x25) used conduc- 25 1 ninal blocks 1 10	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench Allen wrench Steel carrier re Copper carrie	fic Accessories ber, insulated, $l_N 232 A for 1 jumper,$ $l_N 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et, with 95mm2 high-current terr 285-199 ail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long$	25 ack 50 (2x25) used conduc- 25 aft 1 ninal blocks 1 10	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench Allen wrench Steel carrier r Copper carrie	fic Accessories	25 ack 50 (2x25) used conduc- 25 ff 1 ninal blocks 1 10	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench Allen wrench Steel carrier r Copper carrier	fic Accessories per, insulated, I <sub>N</sub> 232 A for 1 jumper, I <sub>N</sub> 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, bla yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et, with 95mm <sup>2</sup> high-current terr 285-199 ail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-198 arking system, 10 x tisex, tith 10 ml	25 sck 50 (2x25) used conduc- 25 ff 1 1 ninal blocks 1 10	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench Allen wrench Steel carrier r Copper carrie WMB Multi m	fic Accessories ber, insulated, $ _N 232 A for 1 jumper,$ $ _N 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated show 285-172 et, with 95mm2 high-current terr 285-199 ail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-198 arking system, 10 strips with 10 markers pe for terminal widths 5 - 17.5 r$	25 ack 50 (2x25) used conduc- 25 ff 1 1 ninal blocks 1 10 10 r card, nm	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective wa Finger guard, Allen wrench Allen wrench Steel carrier re Copper carrie WMB Multi m	fic Accessories ber, insulated, $I_N$ 232 A for 1 jumper, $I_N$ 130 A for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blay yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated show 285-172 et, with 95mm <sup>2</sup> high-current terr 285-199 ail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-198 arking system, 10 strips with 10 markers per for terminal widths 5 - 17.5 r plain 793-501	25 ack 50 (2x25) used conduc- 25 ff 1 ninal blocks 1 10 10 r card, m 5	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB
	Item-Speci Adjacent jump Protective war Finger guard, Allen wrench Allen wrench Steel carrier re Copper carrie WMB Multi m	fic Accessories ber, insulated, $l_N 232 A$ for 1 jumper, $l_N 130 A$ for 2 - 4 jumpers gray 285-495 rning marker, with high-voltage symbol, blo yellow 285-170 touchproof cover protects un tor entries and jumper slots yellow 285-169 with partially insulated sho 285-172 et, with 95mm <sup>2</sup> high-current terr 285-199 ail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-118 r rail, acc. to EN 60715, 35 x 15 mm, 2.3 mm, 2 m/6'6" long unslotted 210-198 arking system, 10 strips with 10 markers per for terminal widths 5 - 17.5 r plain 793-501 r, for POWER CAGE CLAMP 35/50/95 mm <sup>2</sup> .	25 ack 50 (2x25) used conduc- 25 aft 1 1 10 10 r card, nm 5	Item-Speci Protective wa WMB Multi m WMB Multi m	fic Accessories rning marker, with high-voltage symbol, bl for 5 terminal blocks yellow 284-415 arking system, 10 strips with 10 markers pr for terminal widths 5 - 17.5 plain 793-501 arking system, 10 strips with 10 markers pr stretchable 5 - 5.2 mm plain 793-5501	ack, 50 (2x25) er card, mm 5 er card, 5	Adapter for marking strips or 2 x WMB

285-442 Certification organizations can be found in the overview on pages 622 and 623.

25

gray

## High-Current Through and Ground Conductor Terminal Blocks 185 mm<sup>2</sup> 285 Series



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Certification organizations can be found in the overview on pages 622 and 623.



# High-Current Connectors 35 mm<sup>2</sup>, 834 Series – Description and Handling –



4



Position the mounting adapter and secure it using locking screw (1). Screw down locking device (2) to the stop.



Coding male and female connectors: Coding pins removed from the female connector can be used to code the male connector.



Connecting: Secure the male connector to the mounting adapters. Tilt the male connector to plug the female connector.



Mounting a male and female connector assembly: Fit the assembly between the mounting adapters.



Fixing the assembly: Turn the latch on the mounting adapters from the **open** to the **closed** position using an operating tool.



Latch in **open** position (left) Latch in **closed** position (right)



Removing the assembly: Turn the mounting adapter latches to the **open** position. Lift the assembly between the mounting adapters and remove it.



Removing the assembly: Insert two operating tools into the separator slots between male and female connectors and unlatch the assembly.





Insert operating tool and turn counterclockwise. Then push in orange locking tab for handsfree wiring.



Insert stripped conductor until it hits backstop; hold this in position.



Unlock the locking tab with a short conterclockwise turn of the operating tool (1), when unlocked allow operating tool to rotate clockwise (2) to securely terminate the conductor.

## Male and Female Connectors 35 mm<sup>2</sup>, 100% Protected Against Mismating 834 Series



4

Pin spacing 17.5 mm / 0.689 in, light gray	Pin spacing 17.5 mm / 0.689 in, light gray	Mounting adapter
6 - 35 mm <sup>2</sup> AWG 8 - 2	6 - <b>35</b> mm <sup>2</sup> AWG 8 - 2	
1000 V/8 kV/3	1000 V/8 kV/3	
I <sub>N</sub> 125 A	I <sub>N</sub> 125 A	
25 mm / 0.98 in	25 mm / 0.98 in	







Pole No.	Item No.	Pack. Unit	Pole No.	Item No.	Pack. Unit		Item No.	Pack. Unit	
Male connecto	or,		Female connecto	or,		Mounting adapter,			
100% protecte	ed against mismating,		100% protected against mismating,			for DIN 35 rail			
light gray			with coding finger	s, light gray					
2	834-1202	10	2	834-1102	10	🔵 light gray	834-137	10	
3	834-1203	5	3	834-1103	5				
4	834-1204	5	4	834-1104	5				
5	834-1205	5	5	834-1105	5				
6	834-1206	5	6	834-1106	5				
07	834-1207	4	07	834-1107	4				
8	834-1208	4	8	834-1108	4				
834 Series	Accessories								
			Approprie	ato marking system	. \A/AAR				
			Approprie						
				(see Section 13)					
Operating too	l with partially insulated	shaft,							
A	type 3, (5.5 x 0.8) mm blo	ade							
1	210-721	1							
/									







Dimensions in mm

Certification organizations can be found in the overview on pages 622 and 623.



