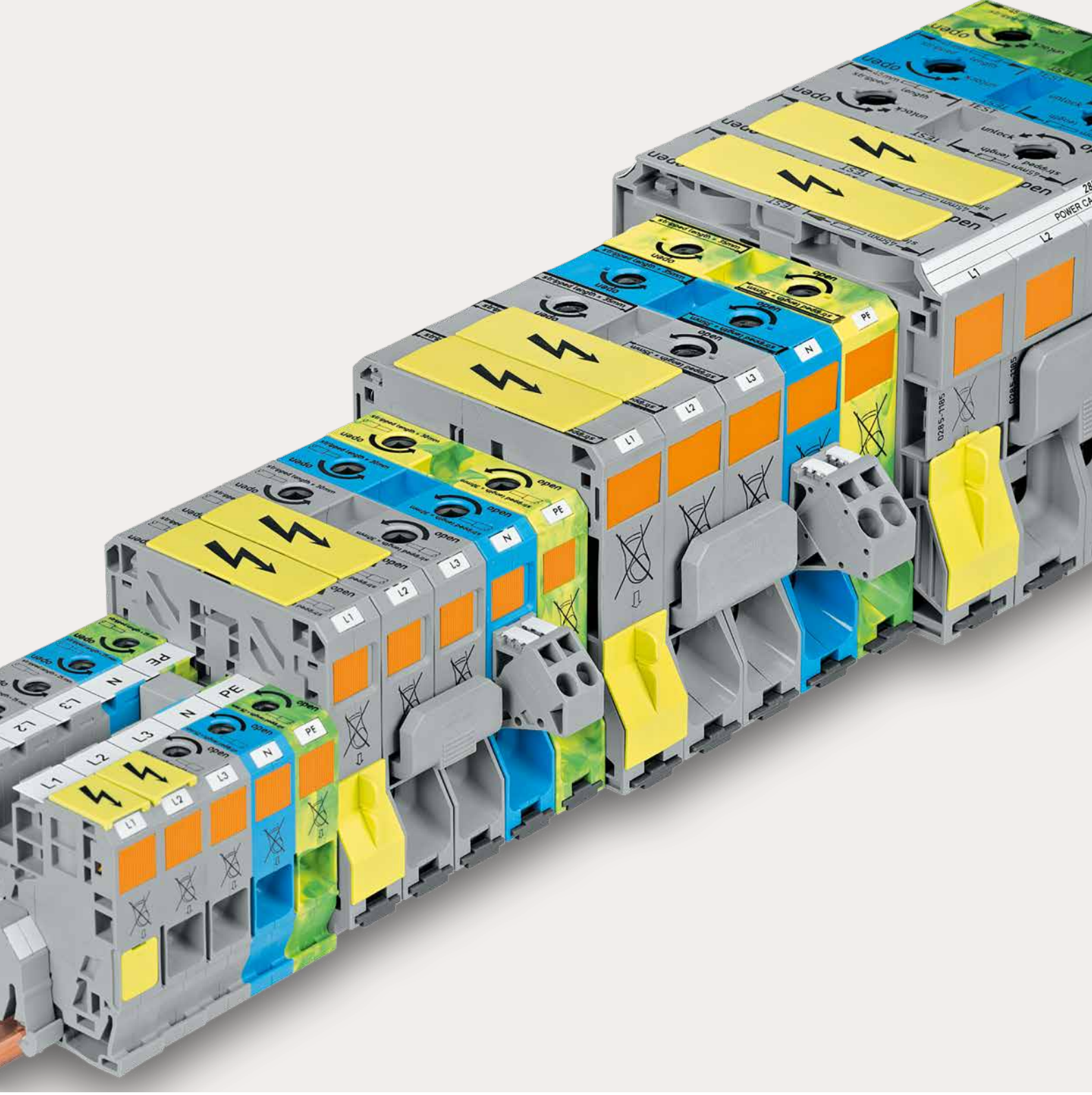


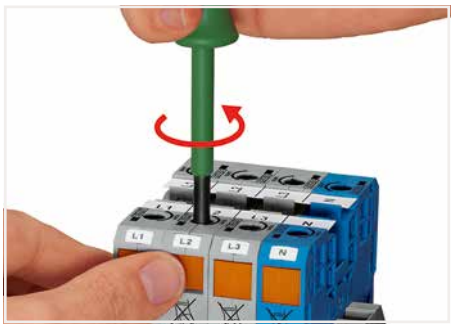
WAGO High-Current Rail-Mount Terminal Blocks

POWER CAGE CLAMP®

WAGO High-Current Rail-Mount Terminal Blocks
Side-Entry Wiring

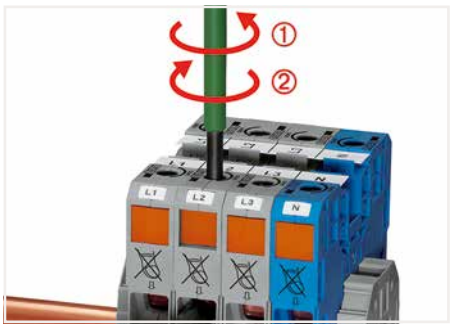
5

High-Current Rail-Mount Terminal Blocks; 35 mm²
285 Series
Description and Installation



Conductor termination – step 1:
Rotate the operating tool (5.5 mm blade width) counter-clockwise. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.

Conductor termination – step 2:
Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.



Conductor termination – step 3:
A short counter-clockwise rotation closes the clamp, securing the conductor ①.
When unlocked, allow operating tool to rotate clockwise ② to securely terminate the conductor.

5

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

Testing
Voltage measurements can be performed (e.g., via 2-pole 206-707 Voltage Tester).

Testing with test plug adapter (283-404).

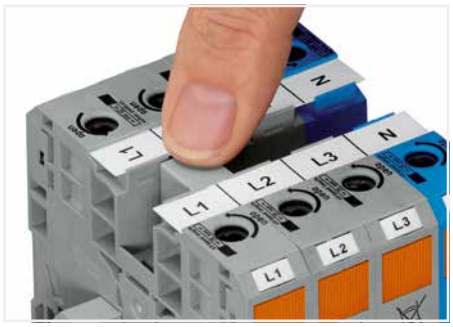
High-current rail-mount terminal blocks, 35 mm² (2 AWG) and 50 mm² (2/0 AWG)

POWER CAGE CLAMP terminates the following copper conductors:
solid "s"

stranded "st"

fine-stranded, also with tinned single strands

POWER CAGE CLAMP®



Commoning adjacent terminal blocks using a centrally positioned push-in jumper.

Slide the marking strip laterally to remove the jumper.


Commoning 35 mm² (2 AWG) POWER CAGE CLAMP Terminal Blocks with 10/16 mm² (8/6 AWG) 2010 and 2016 Series Terminal Blocks TOPJOP® S using step-down jumpers (not valid for 2016-76xx and 2016-77xx).

Step-down jumpers common terminal blocks of different 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. Additional through terminal blocks having a smaller cross-section may be commoned using adjacent jumpers.

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


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

WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.

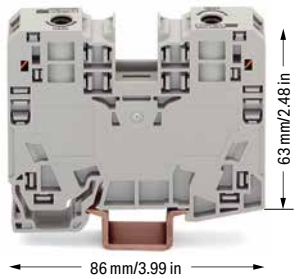
Marker carrier (285-442) for marking strip (2009-110) or 2 x WMB markers


fine-stranded,
with ferrule
(gastight crimped)

POWER CAGE CLAMP®

High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block
35 mm²; 285 Series

Technical Data	
6 … 35 mm²	8 … 2 AWG
1000 V/8 kV/3 ❶	600 V, 115 A
I_N 125 A	600 V, 115 A
Terminal block width: 16 mm / 0.63 inch	
25 mm / 0.98 inch	



Technical Data	
0.2 … 6 mm²	24 … 10 AWG
800 V/8 kV/3 ❷	600 V, 30 A
I_N 32 A	600 V, 32 A
Module width: 8 mm / 0.315 inch	
12 … 13 mm / 0.47 … 0.51 inch	

❶ 1000 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❷ 800 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❸ Terminal blocks with an Ex mark are suitable for Ex e II applications.
880 V, 101 A
1 jumper, 85 A
4 … 5 jumpers, 75 A
(see Section 15)

Please observe the application notes:
Step-down jumpers, see page 257
Marking, from page 640

Approvals and corresponding ratings, visit www.wago.com

5

2-conductor through terminal block; only for DIN 35 x 15 rail

Color	Item No.	Pack. Unit
gray	285-135	15
blue	285-134	15
light gray	285-935 ❸	15
dark gray/yellow	285-131	15

2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 1.5 mm and 2.3 mm thick

green-yellow	285-137	15
green-yellow	285-137/999-950 ❸	15

Power tap; for 35 mm² high-current terminal blocks

Color	Item No.	Pack. Unit
gray	285-427	5

Accessories; for high-current terminal blocks

Appropriate marking systems:
WMB/WMB Inline/Marking strips

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm thick; 2 m long

unslotted | 210-198 | 10

Marking strip; plain; 11 mm wide; 50 m reel

white | 2009-110 | 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide

gray | 285-442 | 25

Screwless end stop; for DIN-35 rail; 14 mm wide

gray | 249-197 | 10

Accessories; item-specific

Adjacent jumper; insulated; I_N 85 A

gray | 285-435 | 50 (25)

Step-down jumper; insulated; I_N 90 A

gray | 285-430 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-420 | 100 (25)

Finger guard; touch-proof cover protects unused conductor entries

yellow | 285-421 | 100 (25)

Test plug adapter; 11.6 mm wide; for 4 mm Ø test plug; for 1.5 … 16 mm² terminal blocks

gray | 283-404 | 25

Three-phase set; with 35 mm² high-current terminal blocks

285-139 | 1

Power tap; I_N 24 A; with 500 mm cable; for 16 mm² (283/783 Series) and 35 mm² (285/785 Series) rail-mount terminal blocks

gray | 283-407 | 25

Operating tool with a partially insulated shaft; type 3; (5.5 x 0.8) mm blade

210-721 | 25 (1)

Accessories; item-specific

Strain relief plate; gray

1-pole | 769-410 | 100 (25)

Test plug; with 500 mm cable; 2 mm Ø; max. 42 V

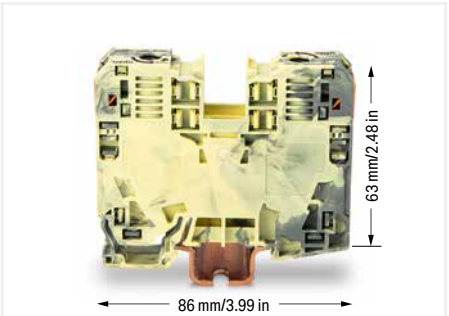
red | 210-136 | 50 (1)

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5



2-conductor through terminal block, dark gray/yellow (285-131), for ground connection without contact to the DIN-rail

Always push voltage tap (283-407) down into the terminal block until fully inserted!

High-Current Rail-Mount Terminal Blocks; 50 … 185 mm²
285 Series
Description and Installation

Conductor termination – step 1:
Rotate the T-wrench counter-clockwise to the stop ①. Next, push in the orange locking tab. The clamp is locked open for hands-free wiring.

Conductor termination – step 2:
Insert a stripped conductor into the clamping unit until it hits backstop. Hold in this position.

Conductor termination – step 3:
A short counter-clockwise rotation ② releases the tab. When unlocked, the T-wrench rotates clockwise, securely clamping the conductor.

5

For the optimal clamping force:
- Bend conductor.
- Cut conductor to length (conductor end must be straight).
- Stripping a conductor.

Always observe the printed strip length!

Grounding foot:
Ground conductor terminal blocks (limited to max. 120 mm²/250 kcmil per EN 60947-7-2) must be snapped onto a 2.3 mm thick copper DIN-rail.

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

Risk of injury!
Do not insert fingers in the conductor entry!

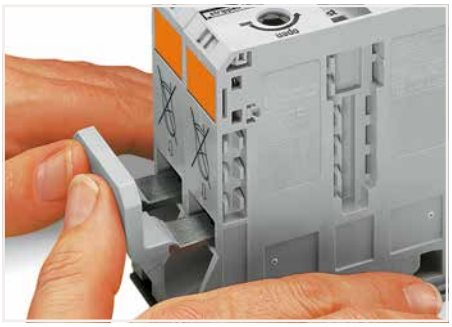
Yellow, detachable finger guards provide touch-proof safety by shielding jumper contact slots and/or unused conductor entries.

POWER CAGE CLAMP terminates the following copper conductors:
solid "s"

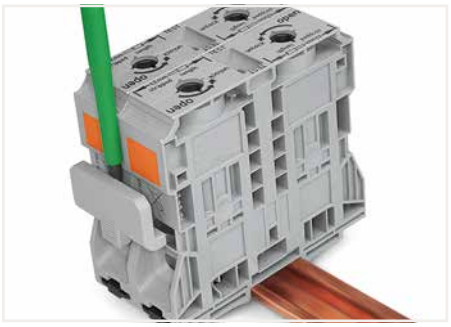
stranded "st"

fine-stranded "f-st", also with tinned single strands

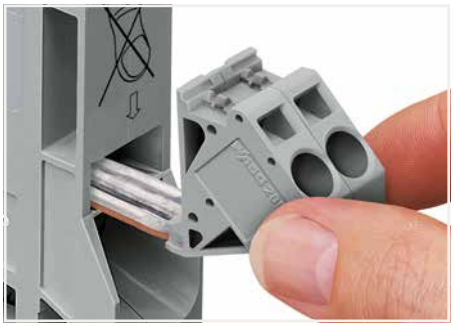
POWER CAGE CLAMP®



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



Removing jumper via operating tool.

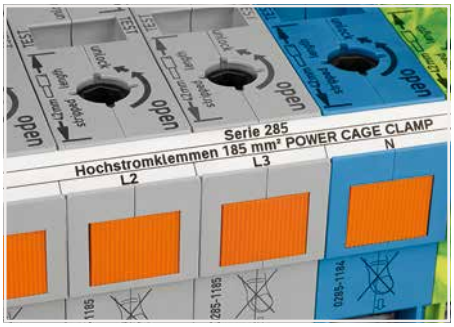


Reliably and easily tap directly into the power supply. Insert the unwired tap before opening the clamping unit.

Testing via touch-proof 4 mm Ø test plugs (not available from WAGO, but offered by industry suppliers such as, Multi-Contact Deutschland GmbH).

Testing
Voltage measurements can be performed (e.g., via 2-pole 206-707 Voltage Tester).

WMB markers or self-adhesive, printable marking strips can be accommodated on 35, 50 and 95 mm² high-current terminal blocks.



In addition to WMB markers, marking strips can be directly applied to 185 mm² (350 kcmil) high-current terminal blocks.

fine-stranded,
with ferrule
(gastight crimped)

POWER CAGE CLAMP®

High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block
50 (70 “f-st”) mm²; 285 Series

5

Technical Data	
10 … 50 (70 “f-st”) mm²	8 … 1/0 AWG
1000 V/8 kV/3 ❶	600 V, 150 A
I_N 150 A	600 V, 150 A
Terminal block width: 20 mm / 0.787 inch	
30 mm / 1.18 inch	

2-conductor through terminal block; only for DIN 35 x 15 rail

Color	Item No.	Pack. Unit
gray	285-150	5
blue	285-154	5
light gray	285-950 ❷	5
dark gray/yellow	285-151	5

2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper

Color	Item No.	Pack. Unit
green-yellow	285-157	5
green-yellow	285-157/999-950 ❷	5

Accessories; item-specific

Adjacent jumper; insulated; I_N 150 A, for 1 jumper; I_N 130 A, for 2 … 4 jumpers

gray | 285-450 | 100 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-440 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-449 | 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

yellow | 285-441 | 100 (25)

Three-phase set; with 50 mm² high-current terminal blocks

285-159 | 1

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm thick; 2 m long

unslotted | 210-198 | 10

Screwless end stop; for DIN-35 rail; 14 mm wide

gray | 249-197 | 10

T-wrench with a partially insulated shaft

285-172 | 1

Technical Data	
0.2 … 6 mm²	24 … 10 AWG
1000 V/8 kV/3 ❶	600 V, 30 A
I_N 41 A	600 V, 41 A
Module width: 16 mm / 0.63 inch	
12 … 13 mm / 0.47 … 0.51 inch	

Power tap; for 50 mm² high-current terminal blocks

Color	Item No.	Pack. Unit
gray	285-447	5

Accessories; item-specific

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

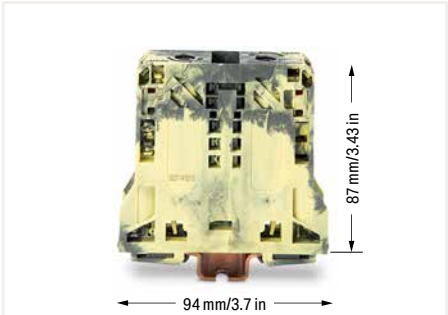
yellow | 282-415 | 50 (25)

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5



2-conductor through terminal block, dark gray/yellow (285-151), for ground connection without contact to the DIN-rail

❶ 1000 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❷ Terminal blocks with an Ex mark are suitable for Ex e II applications.
880 V, 134 A
(see Section 15)

Adjacent jumpers (285-450) can only be removed or inserted when the clamp is closed.

Please observe the application notes:
Marking, from page 640

Approvals and corresponding ratings, visit www.wago.com

Accessories; for high-current terminal blocks

Appropriate marking systems:
WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel

white | 2009-110 | 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide

gray | 285-442 | 25

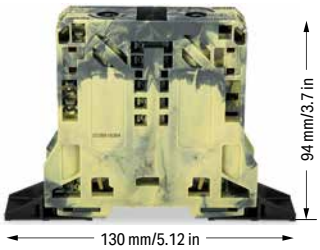
Marker carrier (285-442) for marking strip (2009-110) or 2 x WMB markers

POWER CAGE CLAMP®

High-Current Through Terminal Block; with Mounting Flanges
50 (70 “f-st”) mm²; 285 Series

Technical Data	
10 … 50 (70 “f-st”) mm²	8 … 1/0 AWG
1000 V/8 kV/3 ❶	600 V, 150 A
I_N 150 A	600 V, 150 A
Terminal block width: 20 mm / 0.787 inch	
30 mm / 1.18 inch	

Technical Data	
10 … 50 (70 “f-st”) mm²	8 … 1/0 AWG
1000 V/8 kV/3 ❶	600 V, 150 A
I_N 150 A	600 V, 150 A
Terminal block width: 20 mm / 0.787 inch	
30 mm / 1.18 inch	



❶ 1000 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❷ Terminal blocks with an Ex mark are suitable for Ex e II applications.
880 V, 134 A
(see Section 15)

Adjacent jumpers (285-450) can only be removed or inserted when the clamp is closed.

Please observe the application notes:
Marking, from page 640

Approvals and corresponding ratings, visit www.wago.com

2-conductor through terminal block; with mounting flanges

Color	Item No.	Pack. Unit
gray	285-141	5
blue	285-144	5
light gray	285-143 ❷	5

2-conductor through terminal block; with mounting flanges

Color	Item No.	Pack. Unit
dark gray/yellow	285-147	5
dark gray/yellow	285-147/999-950 ❷	5

Optionally, insert block-to-block connector (285-448) into housing slot.

Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper; insulated; I_N 150 A, for 1 jumper; I_N 130 A, for 2 … 4 jumpers

gray | 285-450 | 100 (25)

Block-to-block connector; for 50 mm² high-current terminal blocks

orange | 285-448 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-440 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-449 | 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

yellow | 285-441 | 100 (25)

Three-phase set; with 50 mm² high-current terminal blocks

285-148 | 1

Power tap; for 50 mm² high-current terminal blocks

gray | 285-447 | 5

T-wrench with a partially insulated shaft

285-172 | 1

Marking strip; plain; 11 mm wide; 50 m reel

white | 2009-110 | 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

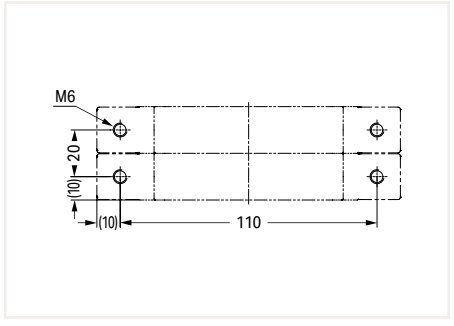
WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide

gray | 285-442 | 25

Align and snap high-current, through terminal blocks together.



Dimensions (in mm):
Drill hole separation distance

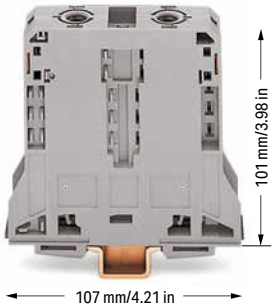
5

POWER CAGE CLAMP®

High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block
95 mm²; 285 Series

5

Technical Data	
25 … 95 mm²	4 … 4/0 AWG
1000 VAC/DC/1500 VDC/12 kV/3 ❷	600 V, 200 A
I_N 232 A	1000 V, 210 A
Terminal block width: 25 mm / 0.984 inch	
35 mm / 1.38 inch	



Technical Data	
0.2 … 10 (16) mm² ❶	24 … 8 AWG
1000 V/8 kV/3 ❸	600 V, 50 A
I_N 57 A	600 V, 57 A
Module width: 20 mm / 0.787 inch	
12 … 13 mm / 0.47 … 0.51 inch	

❶ Power tap; for 95 mm² high-current terminal blocks
Max. conductor size: 16 mm²

❷ 1000 VAC/DC
1500 VDC = rated voltage
12 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❸ 1000 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree

❹ Terminal blocks with an Ex mark are suitable for Ex e II applications.
25 … 95 mm² / 4 … 4/0 AWG
880 V, 211 A
1 jumper, 211 A
2 … 4 jumpers, 175 A
35 … 70 mm² / 2 … 2/0 AWG
for ground conductor terminal blocks
(see Section 15)

Please observe the application notes:
Marking, from page 640

Approvals and corresponding ratings, visit www.wago.com

2-conductor through terminal block; only for DIN 35 x 15 rail

Color	Item No.	Pack. Unit
gray	285-195	5
blue	285-194	5
light gray	285-995 ❹	5
dark gray/yellow	285-191	5

2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper

Color	Item No.	Pack. Unit
green-yellow	285-197	5
green-yellow	285-197/999-950 ❹	5

Power tap; for 95 mm² high-current terminal blocks

Color	Item No.	Pack. Unit
gray	285-407	5

Accessories; item-specific

Adjacent jumper; insulated; I_N 232 A, for 1 jumper; I_N 192 A, for 2 … 4 jumpers

gray | 285-495 | 25

Protective warning marker; with a black high-voltage symbol

yellow | 285-170 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-175 | 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

yellow | 285-169 | 25

Three-phase set; with 95 mm² high-current terminal blocks

285-199 | 1

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm thick; 2 m long

unslotted | 210-198 | 10

Screwless end stop; for DIN-35 rail; 14 mm wide

gray | 249-197 | 10

T-wrench with a partially insulated shaft

285-172 | 1

Accessories; item-specific

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

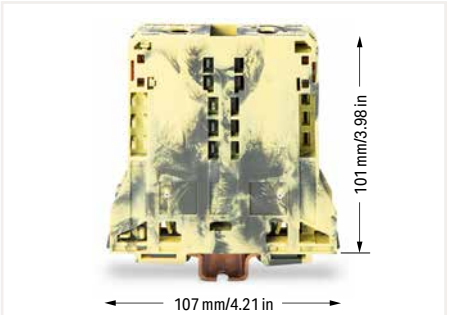
yellow | 284-415 | 50 (25)

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5



2-conductor through terminal block, dark gray/yellow (285-191), for ground connection without contact to the DIN-rail

Accessories; for high-current terminal blocks

Appropriate marking systems:
WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel

white | 2009-110 | 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide

gray | 285-442 | 25

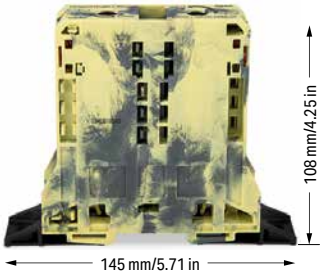
Marker carrier (285-442) for marking strip (2009-110) or 2 x WMB markers

POWER CAGE CLAMP®

High-Current Through Terminal Block; with Mounting Flanges
95 mm²; 285 Series

Technical Data	
25 … 95 mm²	4 … 4/0 AWG
1000 V/8 kV/3 ❶	600 V, 200 A
I_N 232 A	1000 V, 210 A
Terminal block width: 25 mm / 0.984 inch	
35 mm / 1.38 inch	

Technical Data	
25 … 95 mm²	4 … 4/0 AWG
1000 V/8 kV/3 ❶	600 V, 200 A
I_N 232 A	1000 V, 210 A
Terminal block width: 25 mm / 0.984 inch	
35 mm / 1.38 inch	



❶ 1000 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

Please observe the application notes:
Marking, from page 640

Approvals and corresponding ratings,
visit www.wago.com

5

2-conductor through terminal block; with mounting flanges

Color	Item No.	Pack. Unit
gray	285-181	5
blue	285-184	5

2-conductor through terminal block; with mounting flanges

Color	Item No.	Pack. Unit
dark gray/yellow	285-187	5

Optionally, insert block-to-block connector (285-168) into housing slot.

Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper; insulated; I_N 232 A, for 1 jumper; I_N 192 A, for 2 … 4 jumpers

gray | 285-495 | 25

Block-to-block connector; for 95 mm² high-current terminal blocks

orange | 285-168 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-170 | 25

Protective warning marker; with a black high-voltage symbol

yellow | 285-175 | 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

yellow | 285-169 | 25

Three-phase set; with 95 mm² high-current terminal blocks

285-188 | 1

Power tap; for 95 mm² high-current terminal blocks

285-407 | 5

T-wrench with a partially insulated shaft

285-172 | 1

Marking strip; plain; 11 mm wide; 50 m reel

white | 2009-110 | 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

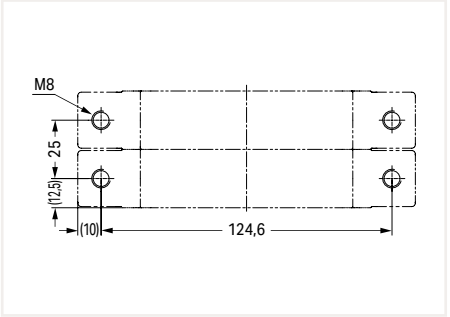
WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide

gray | 285-442 | 25

Align and snap high-current, through terminal blocks together.

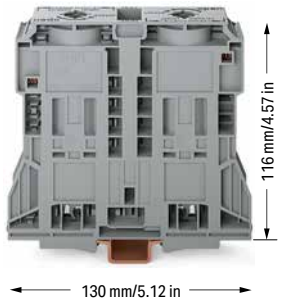


Dimensions (in mm):
Drill hole separation distance

POWER CAGE CLAMP®

High-Current Through Terminal Block, High-Current Ground Conductor Terminal Block
185 mm²; 285 Series

Technical Data	
50 … 185 mm² ❶	1/0 AWG … 350 kcmil
1000 VAC/DC/1500 VDC/12 kV/3 ❸	600 V, 310 A
I_N 353 A	1000 V, 310 A
Terminal block width: 32 mm / 1.26 inch	
45 … 47 mm / 1.77 … 1.85 inch	



Technical Data	
0.2 … 10 (16) mm² ❷	24 … 8 AWG
1000 V/8 kV/3 ❹	600 V, 50 A
I_N 57 A	600 V, 50 A
Module width: 20 mm / 0.787 inch	
12 … 13 mm / 0.47 … 0.51 inch	

❶ 50 … 120 mm² / 1/0 AWG … 250 kcmil
for ground conductor terminal blocks (285-1187)

❷ Power tap; for 185 mm² high-current terminal blocks
Max. conductor size: 16 mm²

❸ 1000 VAC/DC
1500 VDC = rated voltage
12 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❹ 1000 V = rated voltage
8 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❺ Terminal blocks with an Ex mark are suitable for Ex e II applications.
50 … 185 mm² / 1/0 AWG … 350 kcmil
1000 V, 250 A
1 jumper, 250 A
4 … 5 jumpers, 236 A
50 … 120 mm² / 1/0 AWG … 250 kcmil
for ground conductor terminal blocks
(see Section 15)

Please observe the application notes:
Marking, from page 640

Approvals and corresponding ratings,
visit www.wago.com

5

2-conductor through terminal block; only for DIN 35 x 15 rail

Color	Item No.	Pack. Unit
gray	285-1185	5
blue	285-1184	5
light gray	285-1189 ❺	5
dark gray/yellow	285-1181	5

2-conductor ground terminal block; only suitable for DIN 35 x 15 rail; 2.3 mm thick; copper

Color	Item No.	Pack. Unit
green-yellow	285-1187	5
green-yellow	285-1187/999-950 ❺	5

Power tap; for 185 mm² high-current terminal blocks

Color	Item No.	Pack. Unit
gray	285-1175	5

Accessories; for high-current terminal blocks

Appropriate marking systems:
WMB/WMB Inline/Marking strips

Marking strip; plain; 11 mm wide; 50 m reel

white 2009-110 1

WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain 793-501 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain 793-5501 5

Marker carrier; for POWER CAGE CLAMP 35/50/95 mm²; 10.4 mm wide

gray 285-442 25

Accessories; item-specific

Adjacent jumper; insulated; I_N 309 A for 1 jumper

gray 285-1171 25

Protective warning marker; with a black high-voltage symbol

yellow 285-1177 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow 285-1176 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

yellow 285-1178 25

Three-phase set; with 185 mm² high-current terminal blocks

285-1169 1

Copper DIN-rail; per EN 60715; 35 x 15 mm; 2.3 mm thick; 2 m long

unslotted 210-198 10

Screwless end stop; for DIN-35 rail; 14 mm wide

gray 249-197 10

T-wrench with a partially insulated shaft

285-172 1

Accessories; item-specific

Protective warning marker; with black high-voltage symbol; for 5 terminal blocks

yellow 284-415 50 (25)

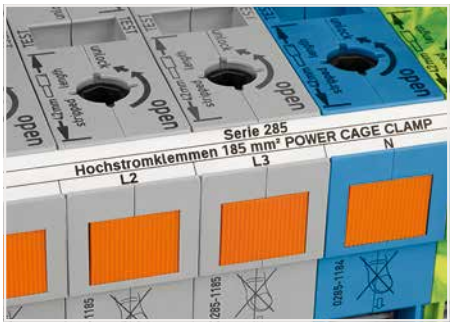
WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain 793-501 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain 793-5501 5

Tapping directly into the power supply.



In addition to WMB markers, marking strips can be directly applied to 185 mm² (350 kcmil) high-current terminal blocks.

POWER CAGE CLAMP®

High-Current Through Terminal Block; with Mounting Flanges
185 mm²; 285 Series

Technical Data	
50 … 185 mm²	1/0 AWG … 350 kcmil
1000 VAC/DC/1500 VDC/12 kV/3 ❸ 600 V, 310 A	
I_N 353 A	1000 V, 310 A
Terminal block width: 32 mm / 1.26 inch	
45 … 47 mm / 1.77 … 1.85 inch	

2-conductor through terminal block; with mounting flanges		
Color	Item No.	Pack. Unit
gray	285-1161	4
blue	285-1164	4
light gray	285-1163 ❷	4

Technical Data	
50 … 185 mm²	1/0 AWG … 350 kcmil
1000 VAC/DC/1500 VDC/12 kV/3 ❸ 600 V, 310 A	
I_N 353 A	1000 V, 310 A
Terminal block width: 32 mm / 1.26 inch	
45 … 47 mm / 1.77 … 1.85 inch	

2-conductor through terminal block; with mounting flanges		
Color	Item No.	Pack. Unit
dark gray/yellow	285-1167	4
dark gray/yellow	285-1167/999-950 ❷	4

❶ 1000 VAC/DC
1500 VDC = rated voltage
12 kV = rated impulse voltage
3 = pollution degree
(see Section 15)

❷ Terminal blocks with an Ex mark are suitable for Ex e II applications.
50 … 185 mm² / 1/0 AWG … 350 kcmil
1000 V, 250 A
1 jumper, 250 A
4 … 5 jumpers, 236 A
(see Section 15)

Please observe the application notes:
Marking, from page 640

Approvals and corresponding ratings, visit www.wago.com

Accessories; for high-current terminal blocks

Appropriate marking systems: WMB/WMB Inline/Marking strips

Adjacent jumper; insulated; I_N 309 A for 1 jumper

gray | 285-1171 | 25

Block-to-block connector; for 185 mm² high-current terminal blocks

orange | 285-1179 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-1177 | 50 (25)

Protective warning marker; with a black high-voltage symbol

yellow | 285-1176 | 25

Finger guard; touch-proof cover protects unused conductor entries and jumper slots

yellow | 285-1178 | 25

Three-phase set; with 185 mm² high-current terminal blocks

285-1165 | 1

Power tap; for 185 mm² high-current terminal blocks

285-1175 | 5

T-wrench with a partially insulated shaft

285-172 | 1

Marking strip; plain; 11 mm wide; 50 m reel

white | 2009-110 | 1

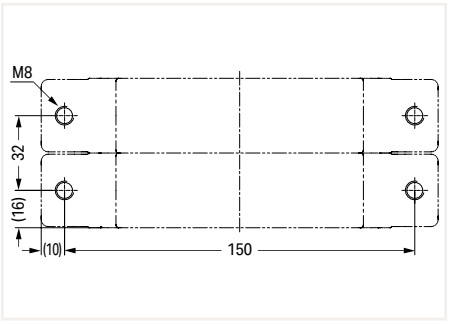
WMB marking card; white; 10 strips with 10 markers/card; for 5 … 17.5 mm terminal block width

plain | 793-501 | 5

WMB marking card; white; 10 strips with 10 markers/card; 5 … 5.2 mm stretchable

plain | 793-5501 | 5

Optionally, insert block-to-block connector (285-1179) into housing slot.



Dimensions (in mm):
Drill hole separation distance

Secure the terminal block to a mounting plate using two M8 cylinder-head screws and appropriate washers.

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