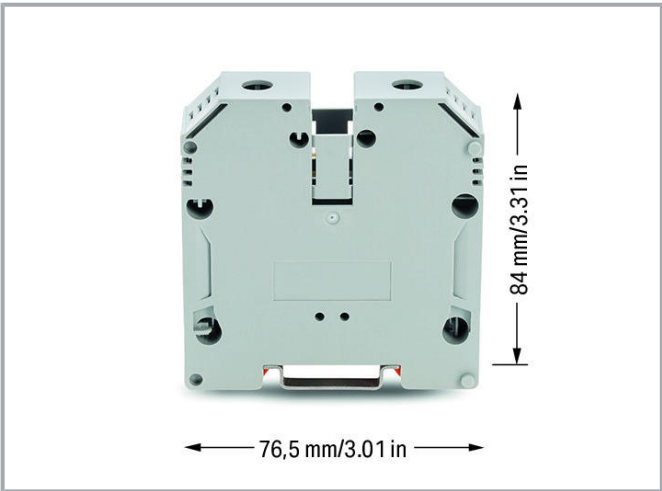


Data sheet | Item number: 883-7001
2-conductor through terminal block; 70 mm²; with screw-type connection;
70,00 mm²; gray

www.wago.com/883-7001



Data
Electrical data

IEC Approvals

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	1000 V
Rated surge voltage (III/3)	8 kV
Rated current	192 A
Rated current 2	232 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Subject to changes. Please also observe the further product documentation!

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UL Approvals

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	205 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	205 A
Rated voltage UL (Use Group D)	600 V
Rated current UL (Use Group D)	205 A

CSA Approvals

Approvals per	C22.2 No 158
Rated voltage CSA (Use Group B)	600 V
Rated current CSA (Use Group B)	205 A
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	205 A
Rated voltage CSA (Use Group D)	600 V
Rated current CSA (Use Group D)	205 A

Connection data

Connection technology	Screw-type connection
Actuation type	T-wrench
Connectable conductor materials	Copper
Nominal cross-section	70 mm ²
Solid conductor	10 ... 95 mm ² / 8 ... 3/0 AWG
Stranded conductor	10 ... 95 mm ² / 8 ... 3/0 AWG
Fine-stranded conductor	10 ... 70 mm ² / 8 ... 2/0 AWG
Fine-stranded conductor; with insulated ferrule	10 ... 70 mm ² / 8 ... 2/0 AWG
Strip length	22 mm / 0.87 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Wiring direction	Side-entry wiring
Number of jumper slots	1
Screw thread	M8

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Physical data

Width	20.5 mm / 0.807 inch
Height	76.5 mm / 3.012 inch
Depth from upper edge of DIN-rail	84 mm / 3.307 inch

Mechanical data

Tightening torque	6 ... 12 Nm
Design	horizontal type
Mounting type	DIN-rail 35 x 7.5
Marking level	Side marking

Material data

Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Weight	141 g

Environmental requirements

Continuous operating temperature	-35 ... +105 °C
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Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4055143940757
Customs tariff number	8536904000

Optional accessories

Jumpers

	Item no.: 883-7042 Jumper; 2-way; unplated; silver-colored	www.wago.com/883-7042
	Item no.: 883-7043 Jumper; 3-way; unplated; silver-colored	www.wago.com/883-7043
	Item no.: 883-7044 Jumper; 4-way; unplated; silver-colored	www.wago.com/883-7044

Potential distribution

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	Item no.: 883-7030 Power tap; 10,00 mm ² ; beige	www.wago.com/883-7030
Carrier rail		
	Item no.: 210-112 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 25 mm; silver-colored	www.wago.com/210-112
	Item no.: 210-113 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-113
	Item no.: 210-114 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	www.wago.com/210-114
	Item no.: 210-115 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; according to EN 60715; "Hole width 18 mm; silver-colored	www.wago.com/210-115
	Item no.: 210-118 Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	www.wago.com/210-118
	Item no.: 210-197 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	www.wago.com/210-197
	Item no.: 210-198 Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	www.wago.com/210-198
	Item no.: 210-504 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-504
	Item no.: 210-505 Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	www.wago.com/210-505
	Item no.: 210-506 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-506
	Item no.: 210-508 Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	www.wago.com/210-508
Marking accessories		
	Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/2009-115
	Item no.: 2009-115/000-002 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/2009-115/000-002
	Item no.: 2009-115/000-005 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/2009-115/000-005

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•	Item no.: 2009-115/000-006 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/2009-115/000-006
•	Item no.: 2009-115/000-007 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/2009-115/000-007
•	Item no.: 2009-115/000-012 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/2009-115/000-012
•	Item no.: 2009-115/000-017 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green	www.wago.com/2009-115/000-017
•	Item no.: 2009-115/000-023 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/2009-115/000-023
•	Item no.: 2009-115/000-024 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/2009-115/000-024
•	Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
	Item no.: 793-501/000-002 WMB marking card; as card; not stretchable; plain; snap-on type; yellow	www.wago.com/793-501/000-002
	Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/793-501/000-005
	Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/793-501/000-006
	Item no.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/793-501/000-007
	Item no.: 793-501/000-012 WMB marking card; as card; not stretchable; plain; snap-on type; orange	www.wago.com/793-501/000-012
	Item no.: 793-501/000-017 WMB marking card; as card; not stretchable; plain; snap-on type; light green	www.wago.com/793-501/000-017

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	Item no.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/793-501/000-023
	Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet	www.wago.com/793-501/000-024
	Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	www.wago.com/793-5501
	Item no.: 793-5501/000-002 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	www.wago.com/793-5501/000-002
	Item no.: 793-5501/000-005 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	www.wago.com/793-5501/000-005
	Item no.: 793-5501/000-006 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	www.wago.com/793-5501/000-006
	Item no.: 793-5501/000-007 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray	www.wago.com/793-5501/000-007
	Item no.: 793-5501/000-012 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange	www.wago.com/793-5501/000-012
	Item no.: 793-5501/000-014 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; brown	www.wago.com/793-5501/000-014
	Item no.: 793-5501/000-017 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green	www.wago.com/793-5501/000-017
	Item no.: 793-5501/000-023 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green	www.wago.com/793-5501/000-023
	Item no.: 793-5501/000-024 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet	www.wago.com/793-5501/000-024
Protective warning marker		
	Item no.: 883-7086 Protective warning marker; with high-voltage symbol; yellow	www.wago.com/883-7086
	Item no.: 883-7088	www.wago.com/883-7088

Subject to changes. Please also observe the further product documentation!



Protective warning marker; with high-voltage symbol; white

General accessories

	Item no.: 883-7099 Insertion plate for flat cables; for 883 Series; 70 mm ² ; silver-colored	www.wago.com/883-7099
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Tools

	Item no.: 855-8000 Allen wrench; with a partially insulated shaft	www.wago.com/855-8000
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Mounting

	Item no.: 249-117 Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	www.wago.com/249-117
	Item no.: 249-197 Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	www.wago.com/249-197

Downloads**Documentation****Bid Text**

883-7001 X81 - Datei	xml 5.8 kB	Download
883-7001 docx - Datei	docx 14.8 kB	Download

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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CAD files**CAE data**

ZUKEN Portal 883-7001	URL	Download
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CAD data

2D/3D Models 883-7001	URL	Download
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Environmental Product Compliance**Compliance Search**

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Environmental Product Compliance 883-7001

2-conductor through terminal block; 70 mm²; with screw-type connection; 70,00 mm²; gray

Installation Notes

Installation



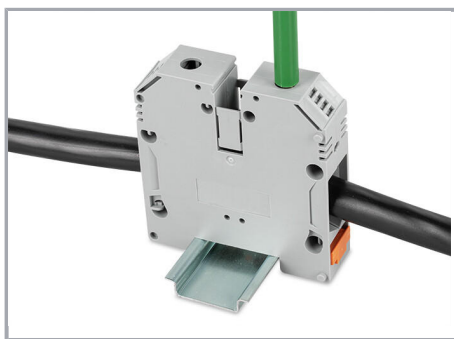
Mounting and removing through terminal blocks

Mounting is performed by simply snapping the terminal block onto the DIN-rail. The pins in the housing ensure an increased mechanical stability in the terminal block assembly when the rail-mount terminal blocks are pushed together.

Removal is performed by pushing back one of the locking elements on both sides and simultaneously tilting it off the DIN-rail.

Conductor termination

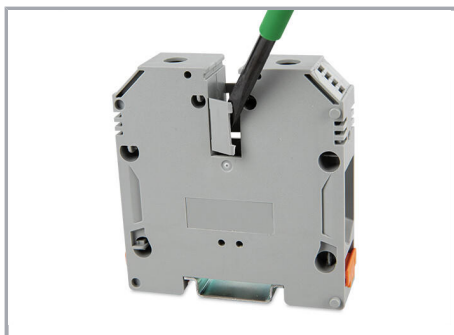
Subject to changes. Please also observe the further product documentation!



Conductor termination and clamping point actuation

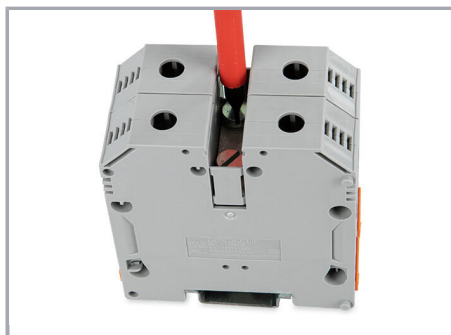
The stripped conductor is inserted into the clamping unit until it hits the backstop. By turning the screw to the right with a 6 mm T-wrench, the conductor is indirectly pressed against the current bar via the clamping bracket.

Commoning



Commoning

Step 1: Remove the inner partitions at the defined break points.



Commoning

Step 2: Insert the jumper into the jumper slot and tighten the screws with a slotted screwdriver. The jumpers are designed for the rated current of the screw terminal block.

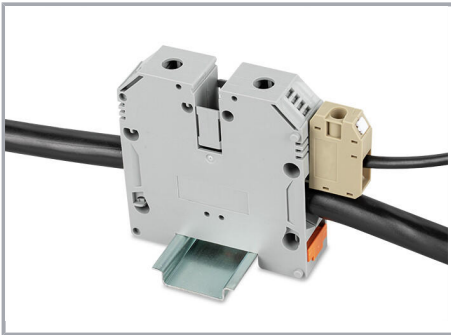
Subject to changes. Please also observe the further product documentation!



Insertion plate

To connect flat cables, the insertion plates are mounted into the clamping bracket to compensate for the V-shaped geometry and provide a secure conductor connection.

Power tap

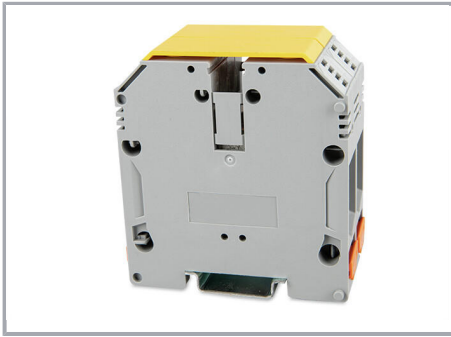


Power tap

The power tap is inserted into the slot above the conductor entry and pressed indirectly against the current bar via the clamping bracket when the clamping point is actuated.

Cover

Subject to changes. Please also observe the further product documentation!



Protective warning marker

The warning covers marked with a lightning arrow are snapped onto the screw terminal block from above and close the actuation slot. This prevents actuation of the clamping point under voltage and guarantees protection against accidental contact.

Testing



Testing

Voltage measurements can be performed via the screw heads in the actuation slot (e. g., via 2-pole 206-707 Voltage Tester).

Marking

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Marking

The screw terminal blocks can be labeled quickly and easily with the WMB Inline marking system. The markers are inserted into the receptacles provided for this purpose. The 2009-198 Marker Carrier allows marking strips to be used.



Marking

The screw terminal blocks can be labeled quickly and easily with the WMB Inline marking system. The markers are inserted into the receptacles provided for this purpose.

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