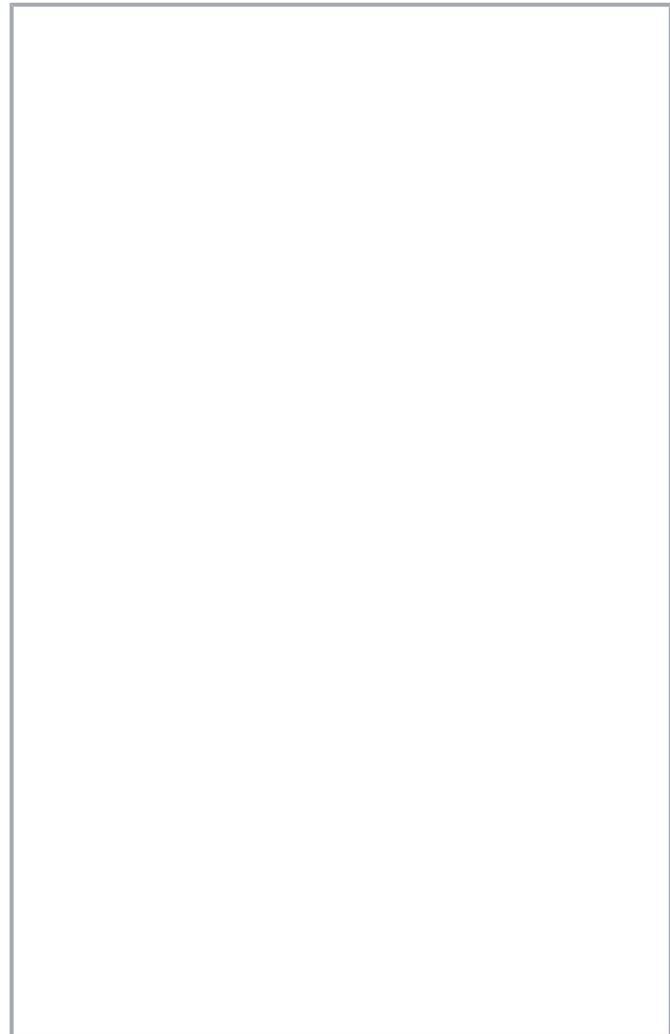


Data sheet | Item number: 883-7007

2-conductor ground terminal block; 70 mm²; SCREW CLAMP CONNECTION;
70,00 mm²; green-yellow



www.wago.com/883-7007



Color:

Data
Electrical data

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

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Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-2
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Ratings per UL

Approvals per	UL 1059
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Ratings per CSA

Approvals per	CSA 22.2 No 158
---------------	-----------------

Connection data

Total number of potentials	1
----------------------------	---

Number of levels	1
------------------	---

Connection 1

Connection technology	Screw connection
-----------------------	------------------

Actuation type	T-wrench; 4 mm
----------------	----------------

Connectable conductor materials	Copper Aluminum
---------------------------------	--------------------

Connectable conductor materials (note)	
----------------------------------------	--

Terminating Aluminum Conductors

Both restrictions and application notes must be observed when terminating aluminum conductors. These instructions can be found in the WAGO Webshop under "Downloads – Documentation – Additional Information: Terminating Aluminum Conductors."

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 inches
--------------	---------------------

Wiring direction	Side-entry wiring
------------------	-------------------

Screw thread	M5
--------------	----

Physical data

Width	20.5 mm / 0.807 inches
-------	------------------------

Height	76.5 mm / 3.012 inches
--------	------------------------

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

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Depth from upper-edge of DIN-rail	84 mm / 3.307 inches
-----------------------------------	----------------------

Mechanical Data

Tightening torque	2.5 ... 4 Nm
Design	horizontal type
Mounting type	DIN-35 rail DIN-rail 35 x 15; 2.3 mm thick; copper
Marking level	Side marking

Material Data

Note (material data)	Information on material specifications can be found here
Color	green-yellow
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Weight	192 g

Environmental requirements

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

Commercial data

ETIM 8.0	EC000901
ETIM 7.0	EC000901
PU (SPU)	10 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143940825
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
------------------------	-------------------------

Optional accessories

Marking accessories

Marker	
--------	--

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



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.: 2009-115/000-007 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.: 2009-115/000-017 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.: 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.: 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; light 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; 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
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.: 793-501/000-007 WMB marking card; as card; not stretchable; plain; snap-on type; gray	www.wago.com/793-501/000-007

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



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
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.: 793-501/000-023 WMB marking card; as card; not stretchable; plain; snap-on type; green	www.wago.com/793-501/000-023
Item no.: 793-501/000-006 WMB marking card; as card; not stretchable; plain; snap-on type; blue	www.wago.com/793-501/000-006
Item no.: 793-501/000-005 WMB marking card; as card; not stretchable; plain; snap-on type; red	www.wago.com/793-501/000-005
Item no.: 793-501 WMB marking card; as card; not stretchable; plain; snap-on type; white	www.wago.com/793-501
Item no.: 793-501/000-024 WMB marking card; as card; not stretchable; plain; snap-on type; violet	www.wago.com/793-501/000-024
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.: 793-5501/000-002 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.: 793-5501/000-006 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 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.: 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.: 2009-115/000-006 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.: 2009-115/000-005 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

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



Connector

Insertion plate

Item no.: 883-7099Insertion plate for flat cables; for 883 Series; 70 mm²; silver-coloredwww.wago.com/883-7099

Mounting

Mounting accessories

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

Voltage tap

Power tap

Item no.: 883-7030Power tap; 10,00 mm²; beigewww.wago.com/883-7030

Protective warning marker

Cover

Item no.: 883-7086

Protective warning marker; with high-voltage symbol; yellow

www.wago.com/883-7086**Item no.: 883-7088**

Protective warning marker; with high-voltage symbol; white

www.wago.com/883-7088

Carrier rail

Mounting accessories

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

Jumpers

Jumper

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

Tool

Operating tool

Item no.: 855-8000

Allen wrench; with a partially insulated shaft

www.wago.com/855-8000

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

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Downloads

Documentation

Bid Text

883-7007 X81 - Datei	xml 4.5 kB	Download
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883-7007 docx - Datei	docx 14.0 kB	Download
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Additional Information

	pdf 2.3 MB	Download
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Aluminum Conductors Terminating Aluminum Conductors	pdf 85.1 kB	Download
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CAD/CAE-Data

CAD data

2D/3D Models 883-7007	URL	Download
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CAE data

ZUKEN Portal 883-7007	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 883-7007 2-conductor ground terminal block; 70 mm ² ; SCREW CLAMP CONNECTION; 70,00 mm ² ; green-yellow	URL	Download
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Installation Notes

Installation

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



Mounting and Removing Ground Terminal Blocks

Installation is performed by placing the ground conductor terminal block on the copper DIN-rail and then securing it by tightening the Allen screw in the jumper slot using a 6 mm T-wrench. The DIN-rail is contacted via the ground foot.

Removal is performed by loosening the Allen screw in the jumper slot and tilting it off the DIN-rail.

Conductor termination



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

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



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.

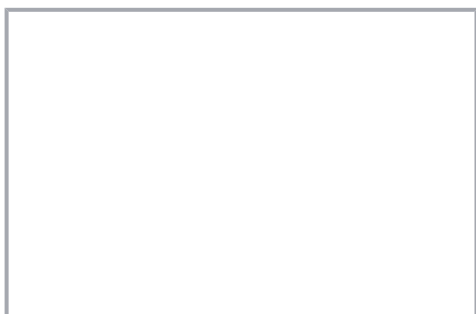


Insertion Plate

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

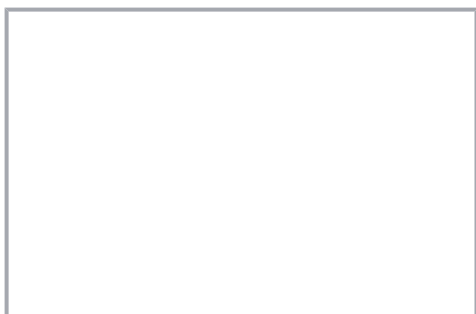
Subject to changes. Please also observe the further product documentation!



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



Protective Warning Marker

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

Testing

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



Testing

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

Marking



Marking

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.

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