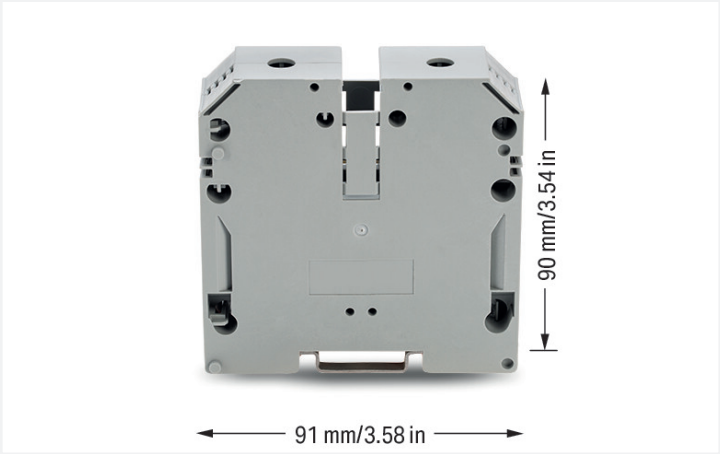
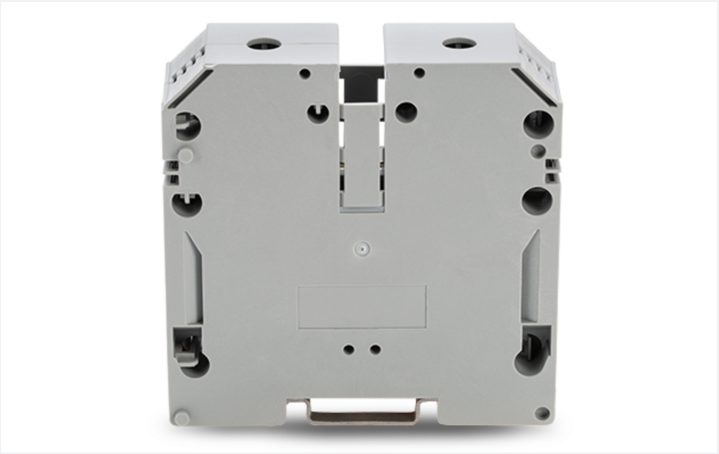
Data Sheet | Item Number: 883-1201

2-conductor through terminal block; 120 mm²; with screw-type connection; 120,00 mm²; gray

https://www.wago.com/883-1201





Color: gray

Through terminal block, 883 Series, t-wrench und 6 mm

Connect conductors quickly and safely with this through terminal block (item number 883-1201). Strip lengths must be 27 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes a screw connection. Depending on the type of conductor, this through terminal block is suitable for conductor cross sections ranging from 16 mm² to 150 mm². It comes with one level and two clamping points that you can use to connect a single potential. The gray housing is made of polyamide (PA66) for insulation. These high-current terminal blocks are mounted using DIN-35 rails..

Electrical data

Ratings per	IEC/EN 60947-7-1		
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	1000 V	-	-
Rated impulse withstand voltage	8 kV	-	-
Rated current	269 A	-	-
Current at conductor cross-section (max.) mm²	290 A	-	-

Approvals per	UL 1059		
Use group	B	C	D
Rated voltage	600 V	600 V	600 V
Rated current	228 A	228 A	228 A

Approvals per	CSA 22.2 No 158		
Use group	B	C	D
Rated voltage	600 V	600 V	600 V
Rated current	228 A	228 A	228 A

Power Loss	
Power loss, per pole (potential)	8.6833 W
Rated current I_N for power loss specification	269 A
Resistance value for specified, current-dependent power loss	0.00012 Ω

Connection data

Clamping units	2
Total number of potentials	1
Number of levels	1
Number of jumper slots	1

Connection 1	
Connection technology	Screw connection
Actuation type	T-wrench; 6 mm
Connectable conductor materials	Copper Aluminum

Connection 1

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	120 mm²
Solid conductor	16 … 150 mm² / 6 AWG … 300 kcmil
Stranded conductor	16 … 150 mm² / 6 AWG … 300 kcmil
Fine-stranded conductor	16 … 120 mm² / 6 AWG … 250 kcmil
Fine-stranded conductor; with insulated ferrule	16 … 95 mm² / 6 … 3/0 AWG
Strip length	27 mm / 1.06 inches
Wiring direction	Side-entry wiring
Screw thread	M10

Physical data

Width	27 mm / 1.063 inches
Height	91 mm / 3.583 inches
Depth from upper-edge of DIN-rail	90 mm / 3.543 inches

Mechanical data

Tightening torque	12 … 20 Nm
Mounting type	DIN-35 rail
Marking level	Side marking

Material data

Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0 MJ
Weight	280.7 g

Environmental requirements

Continuous operating temperature	-35 … +105 °C

Commercial data

PU (SPU)	5 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143940276
Customs tariff number	85369010000

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Product Classification

UNSPSC	39121410
ETIM 9.0	EC000897
ETIM 8.0	EC000897
ECCN	NO US CLASSIFICATION

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 883-1201

Documentation

Additional Information

Aluminum Conductors	pdf 83.11 KB	

Bid Text

883-1201	xml 5.71 KB	
883-1201	docx 14.21 KB	

CAD/CAE-Data

CAD data

2D/3D Models 883-1201

CAE data

ZUKEN Portal 883-1201

1 Compatible Products

1.1 Optional Accessories

1.1.1 Connector

1.1.1.1 Insertion plate

Item No.: 883-1299
Insertion plate for flat cables; for 883 Series; 120 mm²; silver-colored

1.1.2 DIN-rail

1.1.2.1 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

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

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

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

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

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

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

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

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

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

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

1.1.3 Installation

1.1.3.1 Mounting accessories

Item No.: 249-117
Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

Item No.: 249-197
Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

1.1.4 Jumper

1.1.4.1 Jumper

Item No.: 883-1242
Jumper; 2-way; unplated; silver-colored

Item No.: 883-1243
Jumper; 3-way; unplated; silver-colored

Item No.: 883-1244
Jumper; 4-way; unplated; silver-colored

1.1.5 Marking

1.1.5.1 Marker

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

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

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

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

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

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

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

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

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

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

Item No.: 793-501/000-006
WMB marking card; as card; not stretchable; plain; snap-on type; blue

Item No.: 793-501/000-007
WMB marking card; as card; not stretchable; plain; snap-on type; gray

Continued on next page

1.1.5.1 Marker

Item No.: 793-501/000-023
WMB marking card; as card; not stretchable; plain; snap-on type; green

Item No.: 793-501/000-017
WMB marking card; as card; not stretchable; plain; snap-on type; light green

Item No.: 793-501/000-012
WMB marking card; as card; not stretchable; plain; snap-on type; orange

Item No.: 793-501/000-005
WMB marking card; as card; not stretchable; plain; snap-on type; red

Item No.: 793-501/000-024
WMB marking card; as card; not stretchable; plain; snap-on type; violet

Item No.: 793-501
WMB marking card; as card; not stretchable; plain; snap-on type; white

Item No.: 793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

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

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

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

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

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

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

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

Item No.: 2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

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

1.1.6 Power tap

1.1.6.1 Power tap

Item No.: 883-1230
Power tap; 10,00 mm²; beige

1.1.7 Protective warning marker

1.1.7.1 Cover

Item No.: 883-1288
Protective warning marker; with high-voltage symbol; white

Item No.: 883-1286
Protective warning marker; with high-voltage symbol; yellow

1.1.8 Tool

1.1.8.1 Operating tool

Item No.: 855-8000
Allen wrench; with a partially insulated shaft

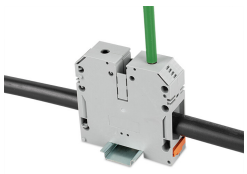
 Continued on next page

Installation Notes

Installation

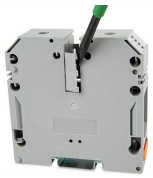
Mounting and Removing Through Terminal Blocks
Mounting is performed by simply snapping the terminal block onto the DIN-rail. The pins in the housing increase mechanical stability in the terminal block assembly when the rail-mount terminal blocks are pushed together.
Removal is performed by pushing back one of the locking elements on both sides and simultaneously tilting it off the DIN-rail.

Conductor termination



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 (a cutting tool may be required to cut off the partitions).

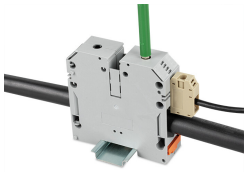
Commoning
Step 2: Insert the jumper into the jumper slot and tighten the screws with a slotted screwdriver. The jumpers are designed for the rated current of the screw terminal block.

 Continued on next page

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.

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.

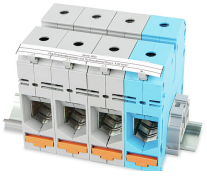
Insertion Plate
To connect flat cables, the insertion plates are mounted into the clamping bracket to compensate for the V-shaped geometry and provide a secure conductor connection.

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

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.



Marking
The 2009-198 Marker Carrier allows marking strips to be used.