

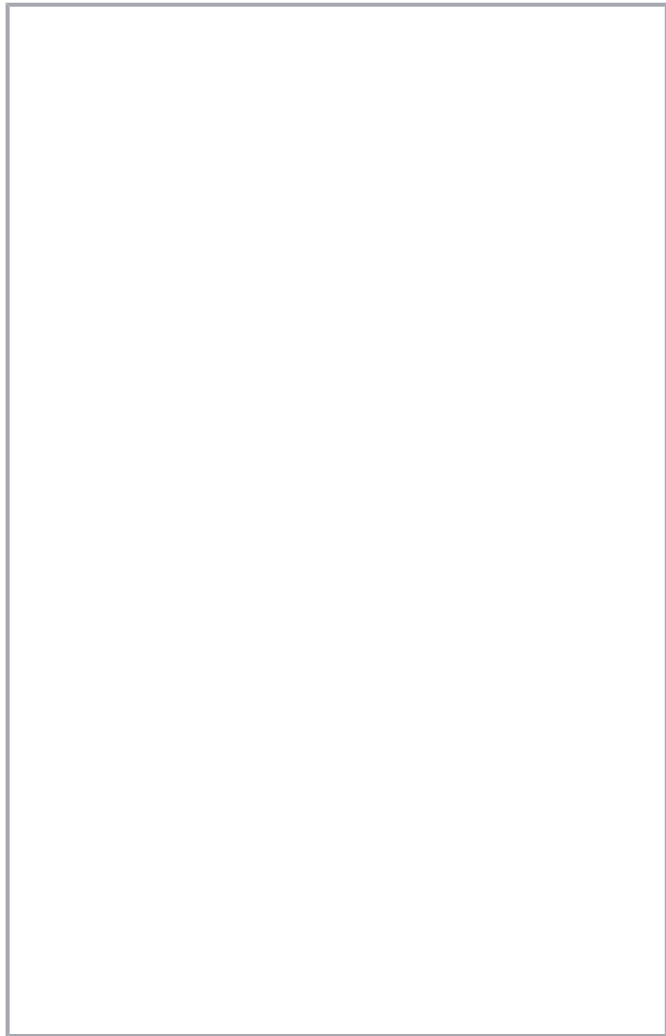
Data sheet | Item number: 883-2401

2-conductor through terminal block; 240 mm²; with screw-type connection;
240,00 mm²; gray

www.wago.com/883-2401



Color:



Data

Electrical data

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Ratings per IEC/EN

Ratings per	IEC/EN 60947-7-1
Nominal voltage (III/3)	1000 V
Rated impulse voltage (III/3)	8 kV
Rated current	380 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Ratings per UL

Approvals per	UL 1059
Rated voltage UL (Use Group B)	600 V
Rated current UL (Use Group B)	370 A
Rated voltage UL (Use Group C)	600 V
Rated current UL (Use Group C)	370 A

Ratings per CSA

Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group C)	600 V
Rated current CSA (Use Group C)	370 A

Power Loss

Power loss, per pole (potential)	11.552 W
Rated current I_N for specified power loss	380 A
Resistance value for specified, current-dependent power loss	8 Ω

Connection data

Connection points	2
Total number of potentials	1
Number of levels	1
Number of jumper slots	2

Connection 1

Connection technology	Screw connection
Actuation type	T-wrench; 8 mm
Connectable conductor materials	Copper

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



Aluminum

Connectable conductor materials (note)	<p>Terminating Aluminum Conductors</p> <p>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."</p>
Nominal cross-section	240 mm ²
Solid conductor	70 ... 240 mm ² / 2/0 AWG ... 500 kcmil
Stranded conductor	70 ... 240 mm ² / 2/0 AWG ... 500 kcmil
Fine-stranded conductor	70 ... 240 mm ² / 2/0 AWG ... 500 kcmil
Fine-stranded conductor; with insulated ferrule	70 ... 185 mm ² / 2/0 AWG ... 350 kcmil
Strip length	38 mm / 1.5 inches
Wiring direction	Side-entry wiring
Screw thread	M10

Physical data

Width	36 mm / 1.417 inches
Height	93 mm / 3.661 inches
Depth from upper-edge of DIN-rail	126.3 mm / 4.972 inches

Mechanical Data

Tightening torque	10 ... 20 Nm
Mounting type	DIN-35 rail DIN-35/32 rail
Marking level	Side marking

Material Data

Note (material data)	Information on material specifications can be found here
Color	gray
Insulation material	Polyamide (PA66)
Flammability class per UL94	V2
Weight	352.4 g

Environmental requirements

Continuous operating temperature	-35 ... +105 °C
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Subject to changes. Please also observe the further product documentation!



Commercial data

ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	5 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143940641
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Optional accessories

Connector

Insertion plate		
Item no.: 883-2499		www.wago.com/883-2499
Insertion plate for flat cables; for 883 Series; 240 mm ² ; silver-colored		

Jumpers

Jumper		
Item no.: 883-2442		www.wago.com/883-2442
Jumper; 2-way; insulated; yellow		
Item no.: 883-2443		www.wago.com/883-2443
Jumper; 3-way; insulated; yellow		

Marking accessories

Marker		
Item no.: 2009-115/000-002		www.wago.com/2009-115/000-002
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow		
Item no.: 2009-115/000-007		www.wago.com/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.: 2009-115/000-017		www.wago.com/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.: 2009-115/000-023		www.wago.com/2009-115/000-023
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green		

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



Item no.: 2009-115/000-024 www.wago.com/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 www.wago.com/2009-115
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

Item no.: 793-5501/000-007 www.wago.com/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.: 793-5501/000-012 www.wago.com/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.: 793-5501/000-014 www.wago.com/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.: 793-5501/000-017 www.wago.com/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.: 793-5501/000-023 www.wago.com/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.: 793-5501/000-024 www.wago.com/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.: 793-501/000-002 www.wago.com/793-501/000-002
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

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

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

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

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

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

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



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

Protective warning marker

Cover

Item no.: 883-2486 Protective warning marker; with high-voltage symbol; yellow	www.wago.com/883-2486
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Voltage tap

Power tap

Item no.: 883-1230 Power tap; 10,00 mm ² ; beige	www.wago.com/883-1230
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Carrier rail

Mounting accessories

Item no.: 210-197

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



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

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.: 210-118

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.: 210-112

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.: 210-114

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

Tool

Operating tool

Item no.: 285-172

Allen wrench; with a partially insulated shaft; green www.wago.com/285-172

Item no.: 285-173

Allen wrench; with a partially insulated shaft; with anti-rotation protection; green www.wago.com/285-173

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

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

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Downloads

Documentation

Bid Text

883-2499 docx - Datei	xml 5.3 kB	Download
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883-2401 X81 - Datei	docx 14.1 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

CAE data

ZUKEN Portal 883-2401	URL	Download
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EPLAN Data Portal 883-2401	URL	Download
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CAD data

2D/3D Models 883-2401	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 883-2401 2-conductor through terminal block; 240 mm ² ; with screw-type connection; 240,00 mm ² ; gray	URL	Download
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Installation Notes

Installation

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Mounting and Removing Through Terminal Blocks

Mounting is performed by simply snapping the terminal block onto the DIN-rail. The fixed snap-in foot is put on first.

Removal is performed by pushing back the movable snap-in foot and simultaneously tilting it off the 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 8 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: Insert the 2- or 3-way jumper into the conductor entry to connect adjacent terminal blocks.



Commoning

Step 2: Mount the yellow insulating cap and snap it to the housing to position the jumper in the clamping unit.



Commoning

Step 3: By tightening the screw in the actuation slot, the jumper is secured in the conductor entry. If required, a conductor can also be inserted into the conductor entry and clamped together with the jumper. A multiple potential distribution is possible due to the conductor entry on both sides. The jumpers are designed for the rated current of the screw terminal block.

Cover

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



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. The power tap is pressed indirectly against the current bar via the clamping bracket when the clamping point is actuated.

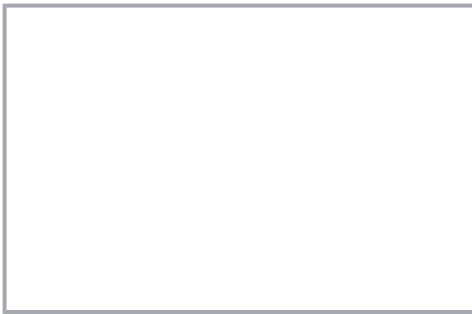
Subject to changes. Please also observe the further product documentation!



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



Testing

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

Marking

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



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.

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