

**Data sheet | Item number: 883-7001**

2-conductor through terminal block; 70 mm<sup>2</sup>; with screw-type connection;  
70,00 mm<sup>2</sup>; gray

[www.wago.com/883-7001](http://www.wago.com/883-7001)



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	192 A
Current at conductor cross-section (max.) mm <sup>2</sup>	232 A
Legend (ratings)	(III / 3) $\hat{=}$ 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)	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

### Ratings per CSA

Approvals per	CSA 22.2 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

### Power Loss

Power loss, per pole (potential)	6.267 W
Rated current $I_N$ for specified power loss	192 A
Resistance value for specified, current-dependent power loss	0 $\Omega$

### Connection data

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

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



Number of jumper slots	1
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## Connection 1

Connection technology	Screw connection
Actuation type	T-wrench; 6 mm
Connectable conductor materials	Copper Aluminum
Connectable conductor materials (note)	<b>Terminating Aluminum Conductors</b> 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 <sup>2</sup>
Solid conductor	10 ... 95 mm <sup>2</sup> / 8 ... 3/0 AWG
Stranded conductor	10 ... 95 mm <sup>2</sup> / 8 ... 3/0 AWG
Fine-stranded conductor	10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG
Fine-stranded conductor; with insulated ferrule	10 ... 70 mm <sup>2</sup> / 8 ... 2/0 AWG
Strip length	22 mm / 0.87 inches
Wiring direction	Side-entry wiring
Screw thread	M8

## Physical data

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

## Mechanical Data

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

## Material Data

Note (material data)	Information on material specifications can be found here
Color	gray

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



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

ETIM 8.0	EC000897
ETIM 7.0	EC000897
PU (SPU)	10 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143940757
Customs tariff number	85369010000

### Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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### Optional accessories

#### Protective warning marker

Cover		
<b>Item no.: 883-7086</b>		
Protective warning marker; with high-voltage symbol; yellow		<a href="http://www.wago.com/883-7086">www.wago.com/883-7086</a>
<b>Item no.: 883-7088</b>		
Protective warning marker; with high-voltage symbol; white		<a href="http://www.wago.com/883-7088">www.wago.com/883-7088</a>

#### Marking accessories

Marker		
<b>Item no.: 2009-115/000-002</b>		
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow		<a href="http://www.wago.com/2009-115/000-002">www.wago.com/2009-115/000-002</a>
<b>Item no.: 2009-115/000-007</b>		
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray		<a href="http://www.wago.com/2009-115/000-007">www.wago.com/2009-115/000-007</a>
<b>Item no.: 2009-115/000-017</b>		
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; light green		<a href="http://www.wago.com/2009-115/000-017">www.wago.com/2009-115/000-017</a>

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



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**Item no.: 2009-115/000-023** [www.wago.com/2009-115/000-023](http://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

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**Item no.: 2009-115/000-024** [www.wago.com/2009-115/000-024](http://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

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**Item no.: 2009-115** [www.wago.com/2009-115](http://www.wago.com/2009-115)  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

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**Item no.: 793-5501/000-007** [www.wago.com/793-5501/000-007](http://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

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**Item no.: 793-5501/000-012** [www.wago.com/793-5501/000-012](http://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

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**Item no.: 793-5501/000-014** [www.wago.com/793-5501/000-014](http://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

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**Item no.: 793-5501/000-017** [www.wago.com/793-5501/000-017](http://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

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**Item no.: 793-5501/000-023** [www.wago.com/793-5501/000-023](http://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

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**Item no.: 793-5501/000-024** [www.wago.com/793-5501/000-024](http://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

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**Item no.: 793-501/000-002** [www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

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

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

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

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

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



<b>Item no.: 793-501/000-006</b> WMB marking card; as card; not stretchable; plain; snap-on type; blue	<a href="http://www.wago.com/793-501/000-006">www.wago.com/793-501/000-006</a>
<b>Item no.: 793-501/000-005</b> WMB marking card; as card; not stretchable; plain; snap-on type; red	<a href="http://www.wago.com/793-501/000-005">www.wago.com/793-501/000-005</a>
<b>Item no.: 793-501</b> WMB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/793-501">www.wago.com/793-501</a>
<b>Item no.: 793-501/000-024</b> WMB marking card; as card; not stretchable; plain; snap-on type; violet	<a href="http://www.wago.com/793-501/000-024">www.wago.com/793-501/000-024</a>
<b>Item no.: 793-5501/000-005</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a>
<b>Item no.: 793-5501/000-002</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a>
<b>Item no.: 793-5501/000-006</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a>
<b>Item no.: 793-5501</b> WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>
<b>Item no.: 2009-115/000-012</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange	<a href="http://www.wago.com/2009-115/000-012">www.wago.com/2009-115/000-012</a>
<b>Item no.: 2009-115/000-006</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/2009-115/000-006">www.wago.com/2009-115/000-006</a>
<b>Item no.: 2009-115/000-005</b> WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/2009-115/000-005">www.wago.com/2009-115/000-005</a>
<b>Jumpers</b>	
Jumper	
<b>Item no.: 883-7042</b> Jumper; 2-way; unplated; silver-colored	<a href="http://www.wago.com/883-7042">www.wago.com/883-7042</a>
<b>Item no.: 883-7043</b> Jumper; 3-way; unplated; silver-colored	<a href="http://www.wago.com/883-7043">www.wago.com/883-7043</a>
<b>Item no.: 883-7044</b> Jumper; 4-way; unplated; silver-colored	<a href="http://www.wago.com/883-7044">www.wago.com/883-7044</a>

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



## Carrier rail

### Mounting accessories

<b>Item no.: 210-197</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-197">www.wago.com/210-197</a>
<b>Item no.: 210-198</b> Copper carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; copper-colored	<a href="http://www.wago.com/210-198">www.wago.com/210-198</a>
<b>Item no.: 210-504</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; slotted; galvanized; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-504">www.wago.com/210-504</a>
<b>Item no.: 210-505</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; galvanized; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-505">www.wago.com/210-505</a>
<b>Item no.: 210-506</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; galvanized; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-506">www.wago.com/210-506</a>
<b>Item no.: 210-508</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; slotted; galvanized; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-508">www.wago.com/210-508</a>
<b>Item no.: 210-113</b> Steel carrier rail; 35 x 7.5 mm; 1 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-113">www.wago.com/210-113</a>
<b>Item no.: 210-118</b> Steel carrier rail; 35 x 15 mm; 2.3 mm thick; 2 m long; unslotted; according to EN 60715; silver-colored	<a href="http://www.wago.com/210-118">www.wago.com/210-118</a>
<b>Item no.: 210-112</b> 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	<a href="http://www.wago.com/210-112">www.wago.com/210-112</a>
<b>Item no.: 210-114</b> Steel carrier rail; 35 x 15 mm; 1.5 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored	<a href="http://www.wago.com/210-114">www.wago.com/210-114</a>
<b>Item no.: 210-115</b> 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	<a href="http://www.wago.com/210-115">www.wago.com/210-115</a>

## Tool

### Operating tool

<b>Item no.: 855-8000</b> Allen wrench; with a partially insulated shaft	<a href="http://www.wago.com/855-8000">www.wago.com/855-8000</a>
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## Mounting

### Mounting accessories

<b>Item no.: 249-117</b> Screwless end stop; 10 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	<a href="http://www.wago.com/249-117">www.wago.com/249-117</a>
<b>Item no.: 249-197</b> Screwless end stop; 14 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray	<a href="http://www.wago.com/249-197">www.wago.com/249-197</a>

## Voltage tap

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



Power tap

**Item no.: 883-7030**  
Power tap; 10,00 mm<sup>2</sup>; beige

[www.wago.com/883-7030](http://www.wago.com/883-7030)

Connector

Insertion plate

**Item no.: 883-7099**  
Insertion plate for flat cables; for 883 Series; 70 mm<sup>2</sup>; silver-colored

[www.wago.com/883-7099](http://www.wago.com/883-7099)

**Downloads**

**Documentation**

**Bid Text**

883-7001	xml	Download
X81 - Datei	5.8 kB	

883-7001	docx	Download
docx - Datei	14.8 kB	

**Additional Information**

	pdf	Download
	2.2 MB	

Aluminum Conductors	pdf	Download
Terminating Aluminum Conductors	85.1 kB	

**CAD/CAE-Data**

**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**

Environmental Product Compliance 883-7001	URL	Download
2-conductor through terminal block; 70 mm <sup>2</sup> ; with screw-type connection; 70,00 mm <sup>2</sup> ; gray		

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



## 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

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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.



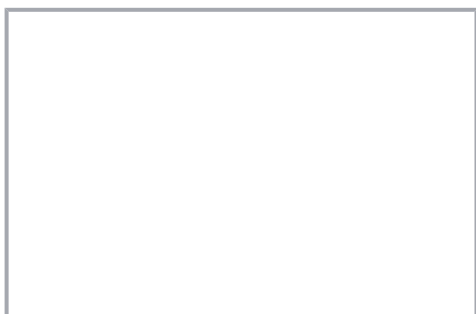
**Insertion Plate**

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**

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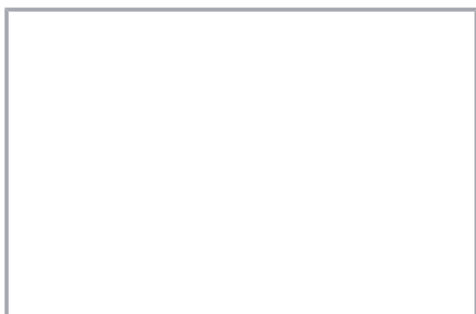
Subject to changes. Please also observe the further product documentation!



#### 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

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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!