

Color: ■ orange

Similar to illustration

Similar to illustration



## Through terminal block, 880 Series, orange

This through terminal block (item number 880-682/999-940) is designed for quick and easy connections. Whether in industrial or building applications, our rail-mount through terminal blocks are the perfect solution to quickly and securely connect electrical conductors. Depending on the version, you can use them for either typical through-wiring or potential distribution. This through rail-mount terminal block has a rated voltage of 800 V and can handle currents up to 25 A. Strip lengths must be between 8 mm and 9 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. This through terminal block is suitable for conductor cross sections ranging from 0.08 mm<sup>2</sup> to 4 mm<sup>2</sup>. It has one level. The single potential can connect using the three clamping points. The orange housing is made of polyamide (PA66) for insulation. An operating tool is used to operate this through rail-mount terminal block. These through rail-mount terminal blocks are mounted using DIN-35 rails. The front-entry wiring allows you to connect copper conductors.

## Electrical data

IEC/EN 60947-7-1		
Overvoltage category	III	III
Pollution degree	3	2
Nominal voltage	800 V	-
Rated surge voltage	8 kV	-
Rated current	25 A	-

## Power Loss

Power loss, per pole (potential)	0.625 W
Rated current $I_N$ for specified power loss	25 A
Resistance value for specified, current-dependent power loss	0.001 $\Omega$

## Connection data

Clamping units	3
Total number of potentials	1
Number of levels	1

## Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Solid conductor	0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor	0.08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 2.5 mm <sup>2</sup> / 22 ... 14 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Wiring direction	Front-entry wiring

**Physical data**

Width	5 mm / 0.197 inches
Height	73 mm / 2.874 inches
Depth from upper-edge of DIN-rail	29 mm / 1.142 inches

**Mechanical data**

Mounting type	DIN-35 rail
Marking level	Center marking

**Material data**

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	orange
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.147 MJ
Weight	8.7 g

**Environmental requirements**

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

**Commercial data**

Product Group	1 (Rail Mounted Terminal Blocks)
eCl@ss 10.0	27-14-11-20
eCl@ss 9.0	27-14-11-20
ETIM 9.0	EC000897
ETIM 8.0	EC000897
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918519984
Customs tariff number	85369010000

**Environmental Product Compliance**

RoHS Compliance Status	Compliant, No Exemption
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**Approvals / Certificates****General approvals****Declarations of conformity and manufacturer's declarations**

Approval	Standard	Certificate Name
CCA	EN 60947	NTR-NL 7339
DEKRA Certification B.V.		
CCA	EN 60947	2174152.01
DEKRA Certification B.V.		
UL	UL 1059	E45172
Underwriters Laboratories Inc.		

Approval	Standard	Certificate Name
EU-Declaration of Conformity	-	-
WAGO GmbH & Co. KG		
UK-Declaration of Conformity	-	-
WAGO GmbH & Co. KG		

## Approvals for marine applications



Approval	Standard	Certificate Name
ABS American Bureau of Shipping	EN 60947	20-HG1941090-PDA
DNV GL Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

## Downloads

## Environmental Product Compliance

## Compliance Search

Environmental Product Compliance  
880-682/999-940



## Documentation

## Additional Information

Technical Section

pdf  
2246.92 KB



## Bid Text

880-682/999-940	19.02.2019	xml 3.43 KB	
880-682/999-940	28.02.2017	doc 24.50 KB	

## CAD/CAE-Data

## CAD data

2D/3D Models  
880-682/999-940



## CAE data

EPLAN Data Portal  
880-682/999-940



WSCAD Universe  
880-682/999-940



ZUKEN Portal  
880-682/999-940



## 1 Compatible Products

### 1.1 Required Accessories

#### 1.1.1 End plate



[Item No.: 880-308](#)

End and intermediate plate; 2.5 mm thick; gray



[Item No.: 880-339](#)

End and intermediate plate; 2.5 mm thick; orange

### 1.2 Optional Accessories

#### 1.2.1 DIN-rail

##### 1.2.1.1 Mounting accessories



[Item No.: 210-196](#)

Aluminum carrier rail; 35 x 8.2 mm; 1.6 mm thick; 2 m long; unslotted; similar to EN 60715; silver-colored



[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

#### 1.2.2 End plate

##### 1.2.2.1 End plate



[Item No.: 880-309](#)

Separator plate; 2 mm thick; oversized; gray



[Item No.: 880-340](#)

Separator plate; 2 mm thick; oversized; orange

#### 1.2.3 Ferrule

##### 1.2.3.1 Ferrule



[Item No.: 216-206](#)

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; blue

## 1.2.4 Installation

### 1.2.4.1 Cover



[Item No.: 709-153](#)

Cover; Type 1; suitable for cover carrier, type 1; 1 m long; transparent

### 1.2.4.2 Cover carrier



[Item No.: 709-167](#)

Cover carrier; Type 1; incl. fixing/retaining screws and knurled nut; suitable for 279 to 282 and 880 Series rail-mounted terminal blocks; suitable for 264 Series miniature rail-mounted terminal blocks; suitable for 270 Series sensor and actuator terminal blocks; gray

## 1.2.4.3 Mounting accessories



[Item No.: 209-106](#)

Mounting carrier; for isolated mounting on DIN 35 rails; gray



[Item No.: 249-116](#)

Screwless end stop; 6 mm wide; for DIN-rail 35 x 15 and 35 x 7.5; gray

## 1.2.5 Insulation stop

### 1.2.5.1 Insulation stop



[Item No.: 280-470](#)

Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white



[Item No.: 280-471](#)

Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray



[Item No.: 280-472](#)

Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; black

## 1.2.6 Jumper

### 1.2.6.1 Jumper



[Item No.: 280-402](#)

Jumper; insulated; gray



[Item No.: 280-409](#)

Jumper; insulated; gray



[Item No.: 280-422](#)

Jumper; insulated; yellow-green



[Item No.: 780-452](#)

Staggered jumper; from 1 to 2; insulated; gray



[Item No.: 780-453](#)

Staggered jumper; from 1 to 3; insulated; gray



[Item No.: 780-454](#)

Staggered jumper; from 1 to 4; insulated; gray



[Item No.: 780-455](#)

Staggered jumper; from 1 to 5; insulated; gray



[Item No.: 780-456](#)

Staggered jumper; from 1 to 6; insulated; gray



[Item No.: 780-457](#)

Staggered jumper; from 1 to 7; insulated; gray



[Item No.: 780-458](#)

Staggered jumper; from 1 to 8; insulated; gray



[Item No.: 709-110](#)

Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black



[Item No.: 709-111](#)

Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; blue



[Item No.: 709-112](#)

Wire commoning chain; 2.5 mm<sup>2</sup>; insulated; black



[Item No.: 210-103](#)

Wire commoning chain; insulated; black



[Item No.: 210-123](#)

Wire commoning chain; insulated; blue

## 1.2.7 Marking

### 1.2.7.1 Group marker carrier

**Item No.: 249-105**

Group marker carrier; gray

### 1.2.7.2 Marker

**Item No.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

**Item No.: 2009-145/000-007**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

**Item No.: 2009-145/000-023**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

**Item No.: 2009-145/000-012**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

**Item No.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

**Item No.: 2009-145/000-024**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet

**Item No.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

**Item No.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

**Item No.: 248-501/000-006**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue

**Item No.: 248-501/000-007**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray

**Item No.: 248-501/000-023**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

**Item No.: 248-501/000-017**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

**Item No.: 248-501/000-012**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange

**Item No.: 248-501/000-005**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red

**Item No.: 248-501/000-024**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

**Item No.: 248-501**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

**Item No.: 248-501/000-002**

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow

**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.: 793-5501/000-007**

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

**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.: 2009-115/000-002**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange

## 1.2.7.2 Marker

**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

## 1.2.8 Protective warning marker

### 1.2.8.1 Cover

**Item No.: 280-415**

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

## 1.2.9 Push-in type wire jumper

### 1.2.9.1 Jumper

**Item No.: 249-126**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; black**Item No.: 249-123**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 180 mm long; black**Item No.: 249-127**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; black**Item No.: 249-125**

Push-in type wire jumper; insulated; 60 mm long; black

## 1.2.10 Test and measurement

### 1.2.10.1 Testing accessories

**Item No.: 249-107**

B-type spacer module; modular; e.g., for bridging commoned terminal blocks; gray

**Item No.: 249-106**B-type test plug module; modular; 1,50 mm<sup>2</sup>; gray**Item No.: 249-147**B-type test plug module; modular; 2,50 mm<sup>2</sup>; gray**Item No.: 280-419**

Spacer module; modular; bridging commoned terminal blocks; gray

**Item No.: 280-404**Test plug adapter; 5 mm wide; for test plug (2.3 mm Ø); suitable for 1.5 mm<sup>2</sup> - 4 mm<sup>2</sup> tbs; gray**Item No.: 209-170**Test plug adapter; 8.3 mm wide; for 4 mm Ø test plugs; suitable for 1.5 mm<sup>2</sup> - 10 mm<sup>2</sup> tbs; gray**Item No.: 280-418**

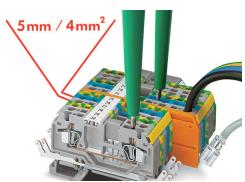
Test plug module; modular; suitable for all WAGO 280 and 780 Series rail-mounted terminal blocks with jumper slots in the current bar; gray

**Item No.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

**Item No.: 281-407**Test plug; 6 mm wide; Nominal current 24 A; for 0.08 mm<sup>2</sup> - 2.5 mm<sup>2</sup>; 2,50 mm<sup>2</sup>; gray

## Installation Notes



### Features

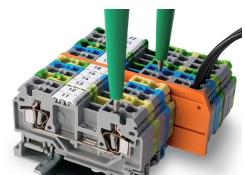
- 2-, 3- and 4-conductor terminal blocks, just 5 mm wide
- Conductor cross-sections up to 4 mm<sup>2</sup> (per VDE 0281), 12 AWG, 2.5 mm<sup>2</sup> with insulated ferrule (Item No. 216-206) or 2.5 mm<sup>2</sup> rubber-insulated conductors with outer diameter up to 4.4 mm
- Test plug, red, 2 mm Ø
- WMB markers
- Mini-WSB markers, on both sides
- Commoning with WAGO jumper systems

## Conductor termination



Connection of a fine-stranded conductor with insulated ferrule (Item No. 216-206).

## Testing



880 Series Terminal Blocks have an additional test slot for voltage tester.