

## Data Sheet | Item Number: 2250-317

2-conductor miniature through terminal block; with push-button; 1 mm<sup>2</sup>; with snap-in mounting foot; side and center marking; with test port; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

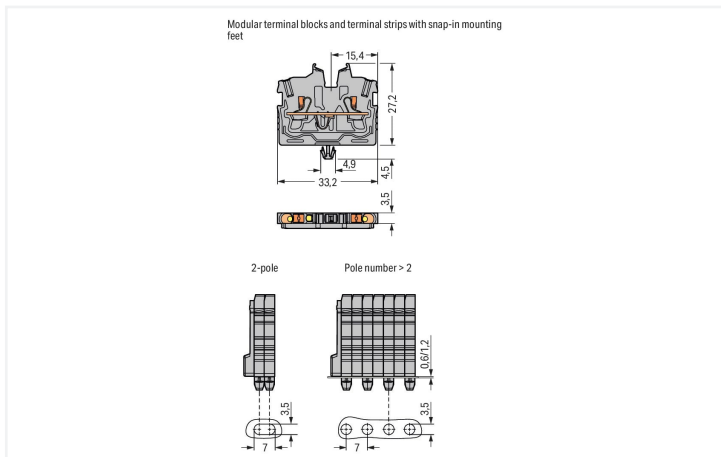
<https://www.wago.com/2250-317>



Color: green-yellow



Similar to illustration



### Electrical data

#### Ex information

Reference hazardous areas See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations"

#### Power loss

Power loss, per pole (potential)	0.4338 W
Rated current $I_N$ for specified power loss	13.5 A
Resistance value for specified, current-dependent power loss	0.00238 $\Omega$

### Connection data

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

#### Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Connectable conductor materials	Copper
Nominal cross-section	1 mm <sup>2</sup>
Solid conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm <sup>2</sup> / 20 ... 18 AWG

### Connection 1

Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Strip length	9 ... 11 mm / 0.35 ... 0.43 inches
Wiring direction	Front-entry wiring

### Physical data

Width	3.5 mm / 0.138 inches
Height from the surface	27.2 mm / 1.071 inches
Depth	33.2 mm / 1.307 inches

### Mechanical data

Mounting type	Snap-in foot
Marking level	Center/side marking

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	green-yellow
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.018 MJ
Weight	2.4 g

### Environmental requirements

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

### Commercial data

ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4055143965644
Customs tariff number	85369010000

### Approvals / Certificates

#### General approvals



#### General approvals

KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-113957
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Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60998	NTR NL 7840
CSA CSA	C22.2 No. 158	80034182
cURus Underwriters Laboratories Inc.	UL 1059	E45172

Declarations of conformity and manufacturer's declarations

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

Approvals for hazardous areas



Approval	Standard	Certificate Name
ATEX Physikalisch Technische Bundesanstalt	EN IEC 60079-0	PTB 19 ATEX 1019 U (II 2G Ex eb IIC Gb or I M 2 Ex eb I Mb)
CCC CNEX	GB/T 3836.3	2020312313000289 (Ex eb IIC Gb, Ex eb I Mb)
IECEX Physikalisch Technische Bundesanstalt	IEC 60079	IECEX PTB 19.0050U (Ex eb IIC Gb or EX eb I Mb)
INMETRO TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 22.0014 U

Downloads

Environmental Product Compliance

Compliance Search
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Documentation

Additional Information
Technical Section pdf 2142.18 KB

CAD/CAE-Data

CAD data
2D/3D Models 2250-317

CAE data
EPLAN Data Portal 2250-317
WSCAD Universe 2250-317
ZUKEN Portal 2250-317

1 Compatible Products

1.1 System counterpart

### 1.1.1 Through terminal block



**Item No.: 2250-327**

2-conductor miniature through terminal block; with push-button; 1 mm<sup>2</sup>; Center terminal block without snap-in mounting foot, without mounting flange; side and center marking; with test port; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

### 1.2 Required Accessories

#### 1.2.1 End plate

##### 1.2.1.1 End plate



**Item No.: 2050-391**

End plate; for terminal blocks with snap-in mounting foot; 3.4 mm thick; gray

### 1.3 Optional Accessories

#### 1.3.1 DIN-rail

##### 1.3.1.1 Mounting accessories



**Item No.: 210-154**

Aluminum carrier rail; 1000 mm long; 18 mm wide; 7 mm high; silver-colored

#### 1.3.2 Ferrule

##### 1.3.2.1 Ferrule



**Item No.: 216-241**

Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white



**Item No.: 216-242**

Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray



**Item No.: 216-243**

Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red

#### 1.3.3 Installation

##### 1.3.3.1 Mounting accessories



**Item No.: 209-137**

Mounting adapter; can be used as end stop; 6.5 mm wide; gray



**Item No.: 209-120**

Mounting foot; can be snapped on terminal blocks with snap-in mounting foot; for mounting on relay-modules; 6.4 mm wide; gray


#### 1.3.4 Jumper

1.3.4.1 Jumper

 <b>Item No.: 2000-406/020-000</b> Delta jumper; insulated; light gray	 <b>Item No.: 2000-410/000-006</b> Jumper; 10-way; insulated; blue	 <b>Item No.: 2000-410</b> Jumper; 10-way; insulated; light gray	 <b>Item No.: 2000-410/000-005</b> Jumper; 10-way; insulated; red
 <b>Item No.: 2000-402/000-006</b> Jumper; 2-way; insulated; blue	 <b>Item No.: 2000-402</b> Jumper; 2-way; insulated; light gray	 <b>Item No.: 2000-402/000-005</b> Jumper; 2-way; insulated; red	 <b>Item No.: 2000-402/000-018</b> Jumper; 2-way; insulated; yellow-green
 <b>Item No.: 2000-403/000-006</b> Jumper; 3-way; insulated; blue	 <b>Item No.: 2000-403</b> Jumper; 3-way; insulated; light gray	 <b>Item No.: 2000-403/000-005</b> Jumper; 3-way; insulated; red	 <b>Item No.: 2000-404/000-006</b> Jumper; 4-way; insulated; blue
 <b>Item No.: 2000-404</b> Jumper; 4-way; insulated; light gray	 <b>Item No.: 2000-404/000-005</b> Jumper; 4-way; insulated; red	 <b>Item No.: 2000-405/000-006</b> Jumper; 5-way; insulated; blue	 <b>Item No.: 2000-405</b> Jumper; 5-way; insulated; light gray
 <b>Item No.: 2000-405/000-005</b> Jumper; 5-way; insulated; red	 <b>Item No.: 2000-406/000-006</b> Jumper; 6-way; insulated; blue	 <b>Item No.: 2000-406</b> Jumper; 6-way; insulated; light gray	 <b>Item No.: 2000-406/000-005</b> Jumper; 6-way; insulated; red
 <b>Item No.: 2000-407/000-006</b> Jumper; 7-way; insulated; blue	 <b>Item No.: 2000-407</b> Jumper; 7-way; insulated; light gray	 <b>Item No.: 2000-407/000-005</b> Jumper; 7-way; insulated; red	 <b>Item No.: 2000-408/000-006</b> Jumper; 8-way; insulated; blue
 <b>Item No.: 2000-408</b> Jumper; 8-way; insulated; light gray	 <b>Item No.: 2000-408/000-005</b> Jumper; 8-way; insulated; red	 <b>Item No.: 2000-409/000-006</b> Jumper; 9-way; insulated; blue	 <b>Item No.: 2000-409</b> Jumper; 9-way; insulated; light gray
 <b>Item No.: 2000-409/000-005</b> Jumper; 9-way; insulated; red	 <b>Item No.: 2000-440</b> Jumper; from 1 to 10; insulated; light gray	 <b>Item No.: 2000-433/000-006</b> Jumper; from 1 to 3; insulated; blue	 <b>Item No.: 2000-433</b> Jumper; from 1 to 3; insulated; light gray
 <b>Item No.: 2000-433/000-005</b> Jumper; from 1 to 3; insulated; red	 <b>Item No.: 2000-434</b> Jumper; from 1 to 4; insulated; light gray	 <b>Item No.: 2000-435</b> Jumper; from 1 to 5; insulated; light gray	 <b>Item No.: 2000-436</b> Jumper; from 1 to 6; insulated; light gray
 <b>Item No.: 2000-437</b> Jumper; from 1 to 7; insulated; light gray	 <b>Item No.: 2000-438</b> Jumper; from 1 to 8; insulated; light gray	 <b>Item No.: 2000-439</b> Jumper; from 1 to 9; insulated; light gray	 <b>Item No.: 2000-405/011-000</b> Star point jumper; 3-way; insulated; light gray

1.3.5 Marking

1.3.5.1 Group marker carrier

 <b>Item No.: 2009-191</b> Group marker carrier; gray
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**1.3.5.2 Marker**



**Item No.: 793-3501**  
WMB marking card; as card; plain; snap-on type; white



**Item No.: 2009-113/000-006**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue



**Item No.: 2009-113/000-007**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray



**Item No.: 2009-113/000-023**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green



**Item No.: 2009-113/000-017**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green



**Item No.: 2009-113/000-012**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange



**Item No.: 2009-113/000-005**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red



**Item No.: 2009-113/000-024**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet



**Item No.: 2009-113**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white



**Item No.: 2009-113/000-002**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow

**1.3.5.3 Marking strip**



**Item No.: 2009-110**  
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

**1.3.6 Push-in type wire jumper**

**1.3.6.1 Jumper**



**Item No.: 2009-404**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; gray



**Item No.: 2009-406**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; gray



**Item No.: 2009-402**  
Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 60 mm long; gray

**1.3.7 Test and measurement**

**1.3.7.1 Testing accessories**



**Item No.: 2009-174**  
Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray



**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red



**Item No.: 2009-182**  
Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

**1.3.8 Tool**

**1.3.8.1 Operating tool**



**Item No.: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



**Item No.: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

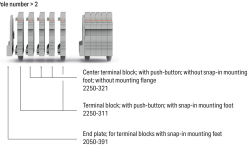


**Item No.: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

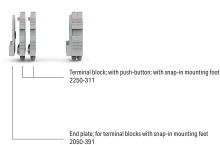
**Installation Notes**

## Installation

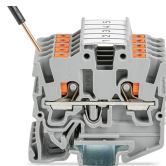
Example of a 5-pole terminal strip; with push-buttons; with snap-in mounting feet  
Part number: 2



Example of a 2-pole terminal strip; with push-buttons; with snap-in mounting feet



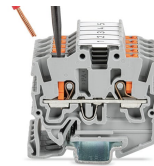
## Conductor termination



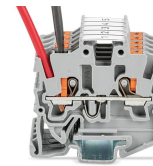
Insert solid conductors via push-in termination.



Insert ferruled conductors via push-in termination.



Insert fine-stranded conductors via operating tool.

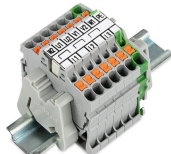


Remove all conductors via operating tool.

## Commoning



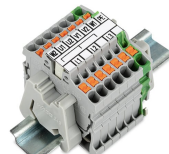
Insert a delta jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (delta jumper) (example shows terminal blocks with push-buttons)



Insert a star point jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (2009-110) inserted in the marking slot with jumper symbols of the inserted jumper (2000-405/011-000 Delta Jumper) (example shows terminal blocks with push-buttons)

## Testing



Testing with a 2 mm Ø 210-136 Test Plug (max. 42 V).

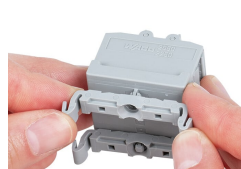
## Installation



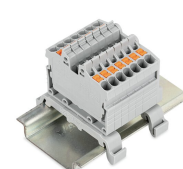
Mounting a terminal strip with snap-in feet into holes.



Mounting a terminal strip with snap-in feet onto aluminum rail.



Snapping a mounting foot (209-120) to a terminal strip with snap-in mounting feet.  
(Distance between mounting feet: approx. 20 ... 25 mm)



Terminal strip; with snap-in mounting feet; for DIN-35 rail (209-120 Mounting Foot) (example shows terminal blocks with push-buttons)

Marking



Snapping a marking strip into the marker slot.



Snapping a marking strip (2009-110) into a marker slot.