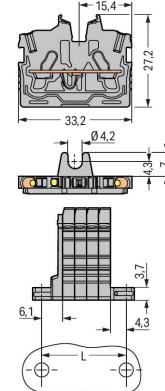


Color: orange

Modular terminal blocks and terminal strips with mounting flanges  
L = (pole no. x 3.5 mm) + 4.3 mm + 6.1 mm

Similar to illustration

**Electrical data**

Ratings per			IEC/EN 60998-2-2		
Overvoltage category	III	III	II		
Pollution degree	3	2	2		
Nominal voltage	500 V	-	-		
Rated surge voltage	6 kV	-	-		
Rated current	13.5 A	-	-		
Current at conductor cross-section (max.) mm <sup>2</sup>	17.5 A	-	-		

Approvals per			UL 1059		
Use group	B	C	D		
Rated voltage	300 V	300 V	-		
Rated current	10 A	10 A	-		

Approvals per			CSA 22.2 No 158		
Use group	B	C	D		
Rated voltage	300 V	300 V	-		
Rated current	10 A	10 A	-		

Ex information		
Reference hazardous areas	See "Downloads – Documentation – Additional Information: Technical Section; Technical Explications"	
Ratings per	ATEX: PTB 19 ATEX 1019 U / IECEx: PTB 19.0050U (Ex eb IIC Gb)	
Rated voltage EN (Ex e II)	352 V	
Rated current (Ex e II)	13.5 A	
Rated current (Ex e II) with jumper	12 A	

**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	Connection 1	
Total number of potentials	1	Connection technology	Push-in CAGE CLAMP®
Number of levels	1	Actuation type	Operating tool
Number of jumper slots	1	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
		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	Mounting flange
Marking level	Center/side marking

**Material data**

Note (material data)	<a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a>
Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.051 MJ
Weight	2.5 g

## Environmental requirements

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

## Commercial data

PU (SPU)	100 pcs
Country of origin	IN
GTIN	4066966311983
Customs tariff number	85369010000

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### 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	-	-

## Downloads

### Environmental Product Compliance

#### Compliance Search

Environmental Product  
Compliance 2050-302



## Documentation

### Additional Information

Technical Section	pdf 2240.62 KB
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## CAD/CAE-Data

### CAD data

2D/3D Models  
2050-302



## 1 Compatible Products

### 1.1 System counterpart

#### 1.1.1 Through terminal block



##### [Item No.: 2050-321](#)

2-conductor miniature through terminal block; with operating slots; 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 CA-GE CLAMP®; 1,00 mm<sup>2</sup>; gray

## 1.2 Required Accessories

### 1.2.1 End plate

#### 1.2.1.1 End plate



##### [Item No.: 2050-381](#)

End plate; with fixing flange; 1.3 mm thick; gray

## 1.3 Optional Accessories

### 1.3.1 Ferrule

#### 1.3.1.1 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

## 1.3.2 Installation

### 1.3.2.1 Mounting accessories



##### [Item No.: 209-137](#)

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



##### [Item No.: 209-123](#)

Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray

## 1.3.3 Jumper

## 1.3.3.1 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

## 1.3.4 Marking

## 1.3.4.1 Group marker carrier



**Item No.: 2009-191**  
Group marker carrier; gray

## 1.3.4.2 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

## 1.3.4.3 Marking strip

Item No.: 2009-110

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

## 1.3.5 Protective warning marker

## 1.3.5.1 Cover

Item No.: 2000-115

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

## 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**

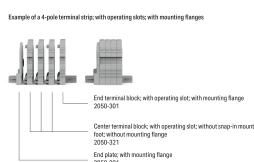
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

**Item No.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

### Installation Notes

#### Installation



### 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 and securing a terminal strip directly to the plate via screw-type flanges (example shows terminal blocks with push-buttons).

Terminal strip; with mounting flanges; screw mounting (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.