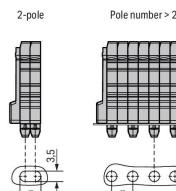
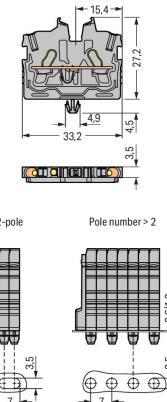
Color: ■ orange

Modular terminal blocks and terminal strips with snap-in mounting feet



Similar to illustration

Electrical data

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

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

Approvals per CSA 22.2 No 158		
Use group	B	C
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 Ω

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 ²
		Solid conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
		Solid conductor; push-in termination	0.5 ... 1.5 mm ² / 20 ... 16 AWG
		Fine-stranded conductor	0.14 ... 1.5 mm ² / 24 ... 16 AWG
		Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm ² / 24 ... 18 AWG
		Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm ² / 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	Snap-in foot
Marking level	Center/side marking

Material data

Note (material data)	Information on material specifications can be found here
Color	orange
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.047 MJ
Weight	2.4 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	4066966312454
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 2050-312	
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Documentation**Additional Information**

Technical Section	pdf 2240.62 KB	
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CAD/CAE-Data**CAD data**

2D/3D Models 2050-312	
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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 mm²; 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 mm²; gray

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 mm² / 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 mm² / 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 mm² / 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

[Item No.: 2000-406/020-000](#)

Delta jumper; insulated; light gray

[Item No.: 2000-410/000-006](#)

Jumper; 10-way; insulated; blue

[Item No.: 2000-410](#)

Jumper; 10-way; insulated; light gray

[Item No.: 2000-410/000-005](#)

Jumper; 10-way; insulated; red

[Item No.: 2000-402/000-006](#)

Jumper; 2-way; insulated; blue

[Item No.: 2000-402](#)

Jumper; 2-way; insulated; light gray

[Item No.: 2000-402/000-005](#)

Jumper; 2-way; insulated; red

[Item No.: 2000-402/000-018](#)

Jumper; 2-way; insulated; yellow-green

[Item No.: 2000-403/000-006](#)

Jumper; 3-way; insulated; blue

[Item No.: 2000-403](#)

Jumper; 3-way; insulated; light gray

[Item No.: 2000-403/000-005](#)

Jumper; 3-way; insulated; red

[Item No.: 2000-404/000-006](#)

Jumper; 4-way; insulated; blue

[Item No.: 2000-404](#)

Jumper; 4-way; insulated; light gray

[Item No.: 2000-404/000-005](#)

Jumper; 4-way; insulated; red

[Item No.: 2000-405/000-006](#)

Jumper; 5-way; insulated; blue

[Item No.: 2000-405](#)

Jumper; 5-way; insulated; light gray

[Item No.: 2000-405/000-005](#)

Jumper; 5-way; insulated; red

[Item No.: 2000-406/000-006](#)

Jumper; 6-way; insulated; blue

[Item No.: 2000-406](#)

Jumper; 6-way; insulated; light gray

[Item No.: 2000-406/000-005](#)

Jumper; 6-way; insulated; red

[Item No.: 2000-407/000-006](#)

Jumper; 7-way; insulated; blue

[Item No.: 2000-407](#)

Jumper; 7-way; insulated; light gray

[Item No.: 2000-407/000-005](#)

Jumper; 7-way; insulated; red

[Item No.: 2000-408/000-006](#)

Jumper; 8-way; insulated; blue

[Item No.: 2000-408](#)

Jumper; 8-way; insulated; light gray

[Item No.: 2000-408/000-005](#)

Jumper; 8-way; insulated; red

[Item No.: 2000-409/000-006](#)

Jumper; 9-way; insulated; blue

[Item No.: 2000-409](#)

Jumper; 9-way; insulated; light gray

[Item No.: 2000-409/000-005](#)

Jumper; 9-way; insulated; red

[Item No.: 2000-440](#)

Jumper; from 1 to 10; insulated; light gray

[Item No.: 2000-433/000-006](#)

Jumper; from 1 to 3; insulated; blue

[Item No.: 2000-433](#)

Jumper; from 1 to 3; insulated; light gray

[Item No.: 2000-433/000-005](#)

Jumper; from 1 to 3; insulated; red

[Item No.: 2000-434](#)

Jumper; from 1 to 4; insulated; light gray

[Item No.: 2000-435](#)

Jumper; from 1 to 5; insulated; light gray

[Item No.: 2000-436](#)

Jumper; from 1 to 6; insulated; light gray

[Item No.: 2000-437](#)

Jumper; from 1 to 7; insulated; light gray

[Item No.: 2000-438](#)

Jumper; from 1 to 8; insulated; light gray

[Item No.: 2000-439](#)

Jumper; from 1 to 9; insulated; light gray

[Item No.: 2000-405/011-000](#)

Star point jumper; 3-way; insulated; light gray

1.3.5 Marking

1.3.5.1 Group marker carrier

[Item No.: 2009-191](#)

Group marker carrier; gray

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.: 2009-113/000-023](#)

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 Protective warning marker

1.3.6.1 Cover

[Item No.: 2000-115](#)

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

1.3.7 Push-in type wire jumper

1.3.7.1 Jumper

[Item No.: 2009-404](#)Push-in type wire jumper; 0.75 mm²; insulated; 110 mm long; gray[Item No.: 2009-406](#)Push-in type wire jumper; 0.75 mm²; insulated; 250 mm long; gray[Item No.: 2009-402](#)Push-in type wire jumper; 0.75 mm²; insulated; 60 mm long; gray

1.3.8 Test and measurement

1.3.8.1 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 mm²; tool-free connection for individual test wires 0.08 - 2.5 mm; gray

1.3.9 Tool

1.3.9.1 Operating tool

Item No.: 210-719

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

Item No.: 210-648

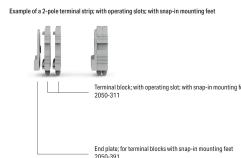
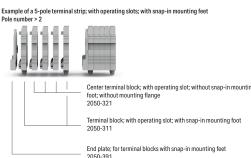
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

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 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.