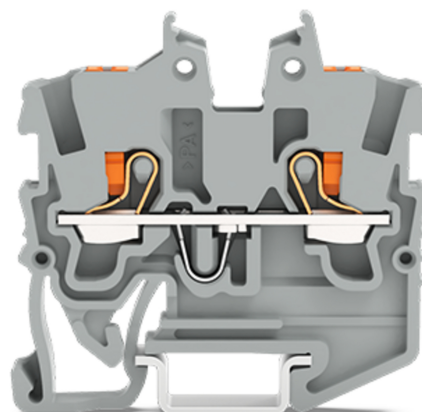
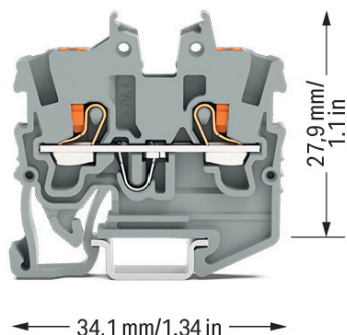


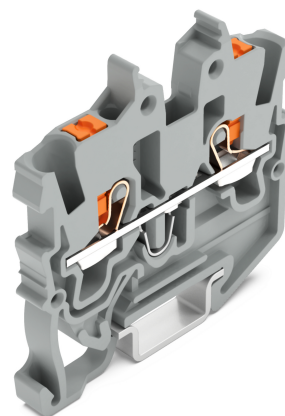
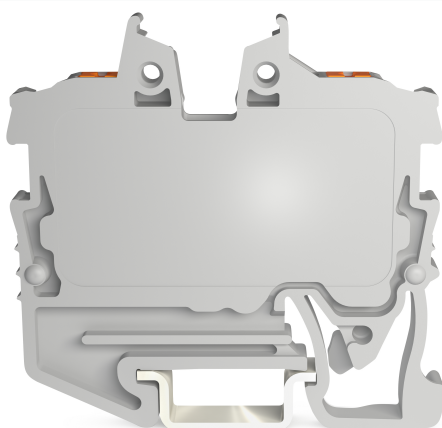
Data Sheet | Item Number: 2250-1201

2-conductor miniature through terminal block; with push-button; 1 mm²; with test port; side and center marking; for DIN-15 rail; Push-in CAGE CLAMP®; 1,00 mm²; gray

<https://www.wago.com/2250-1201>



Color: ■ gray



Similar to illustration



Through terminal block, 2250 Series, gray

Our through terminal block (item number 2250-1201) is designed for seamless electrical installations. Our mini rail-mount terminal blocks are the perfect choice for working in confined spaces. A large selection of mounting and actuation variants means you can find a suitable mini terminal block for every purpose. This also means you can adapt the terminal blocks to your unique requirements. Our mini rail-mount terminal block is rated for 500 V and is designed to handle a rated current of up to 13.5 A. Strip lengths must be between 9 mm and 11 mm when connecting conductors to this through terminal block. This product features conductor terminals and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. This through terminal block is suitable for conductor cross sections ranging from 0.14 mm² to 1.5 mm². It has one level. You can connect a single potential using the two clamping points. The gray housing is made of polyamide (PA66) for insulation. A push-button is used to operate this mini rail-mount terminal block. Our TOPJOB® S rail-mount terminal blocks guarantee reliable electrical connections across many industrial applications and modern building installations. They simplify wiring, as you can quickly plug in solid, stranded, and fine-stranded conductors with ferrules. These mini rail-mount terminal blocks are mounted using DIN-15 rails.. The front-entry wiring makes it possible to connect copper conductors. The one jumper slot enables potential distribution to other clamping points. This product is designed for specific Ex applications (please refer to the product datasheet).

Electrical data

Ratings per				IEC/EN 60947-7-1				Approvals per				UL 1059			
Overvoltage category				III				Use group				B			
Pollution degree				3				Rated voltage				300 V			
Nominal voltage				500 V				Rated current				10 A			
Rated impulse withstand voltage				6 kV											
Rated current				13.5 A											
Current at conductor cross-section (max.) mm²				17.5 A											

Approvals per				CSA 22.2 No 158			
Use group				B			
Rated voltage				300 V			
Rated current				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	
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 1	
Clamping units	2
Total number of potentials	1
Number of levels	1
Number of jumper slots	1
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Connectable conductor materials	Copper
Nominal cross-section	1 mm²
Solid conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm² / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm² / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 1 mm² / 24 ... 18 AWG
Fine-stranded conductor; with uninsulated ferrule	0.14 ... 1 mm² / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 1 mm² / 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	34.1 mm / 1.343 inches
Depth from upper-edge of DIN-rail	27.9 mm / 1.098 inches

Mechanical data	
Mounting type	DIN-15 rail
Marking level	Center/side marking

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.064 MJ
Weight	2.5 g


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

Commercial data	
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	IN
GTIN	4055143965200
Customs tariff number	85369010000


Product classification	
UNSPSC	39121410
ETIM 9.0	EC000897
ETIM 8.0	EC000897
ECCN	NO US CLASSIFICATION

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption


Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
					
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7839	ATEX-Attestation of Con- formity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 60998	NTR NL 7840	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CSA CSA	C22.2 No. 158	80034182	UK-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
cURus Underwriters Laboratories Inc.	UL 1059	E45172			
KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-113930			
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-113957			





Approvals for hazardous areas

		
Approval	Standard	Certificate Name
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
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	
Environmental Product Compliance 2250-1201	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 2250-1201	EPLAN Data Portal 2250-1201
	
	WSCAD Universe 2250-1201
	
	ZUKEN Portal 2250-1201
	

1 Compatible Products
1.1 Required Accessories
1.1.1 End plate
1.1.1.1 End plate



[Item No.: 2050-1291](#)
End and intermediate plate; 1.1 mm thick;
gray

1.2 Optional Accessories
1.2.1 DIN-rail
1.2.1.1 Mounting accessories



[Item No.: 210-111](#)
Steel carrier rail; 15 x 5.5 mm; 1 mm thick;
2 m long; slotted; according to EN 60715;
silver-colored



[Item No.: 210-295](#)
Steel carrier rail; 15 x 5.5 mm; 1 mm thick;
2 m long; unslotted; according to EN
60715; silver-colored

1.2.2 Ferrule
1.2.2.1 Ferrule



[Item No.: 216-241](#)
Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-
sulated; 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; in-
sulated; 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; insu-
lated; electro-tin plated; electrolytic cop-
per; gastight crimped; acc. to DIN 46228,
Part 4/09.90; red



1.2.3 Installation

1.2.3.1 Cover



Item No.: 709-156
Cover; Type 3; suitable for cover carrier, type 3; 1 m long; transparent

1.2.3.2 Cover carrier



Item No.: 709-169
Cover carrier; Type 3; 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

1.2.3.3 Mounting accessories



Item No.: 249-101
Screwless end stop; 6 mm wide; for WMB markers; gray

1.2.4 Jumper

1.2.4.1 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



1.2.4.1 Jumper



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



Item No.: [210-103](#)
Wire commoning chain; insulated; black



Item No.: [210-123](#)
Wire commoning chain; insulated; blue

1.2.5 Marking

1.2.5.1 Group marker carrier



Item No.: [2009-191](#)
Group marker carrier; gray

1.2.5.2 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

1.2.5.3 Marking strip



Item No.: [2009-110](#)
Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

1.2.6 Push-in type wire jumper

1.2.6.1 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

1.2.7 Test and measurement

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

1.2.8 Tool

1.2.8.1 Operating tool



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



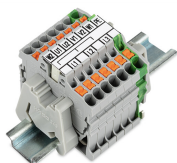
Item No.: 210-648
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short



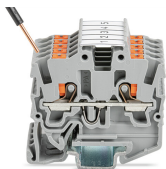
Item No.: 210-647
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

Installation Notes

Installation



Conductor termination



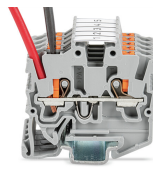
Insert solid conductors via push-in termination.



Insert ferruled conductors via push-in termination.

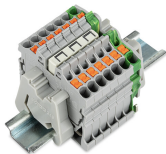


Insert fine-stranded conductors via operating tool.

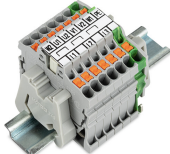


Remove all conductors via operating tool.

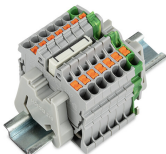
Commoning



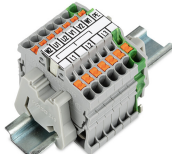
Insert a delta jumper and push down until it hits the backstop (example shows terminal blocks with push-buttons).



Marking strip (Item No. 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 (Item No. 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).

Marking



Snapping a marking strip into the marker slot.



Snapping a marking strip (Item No. 2009-110) into a marker slot.