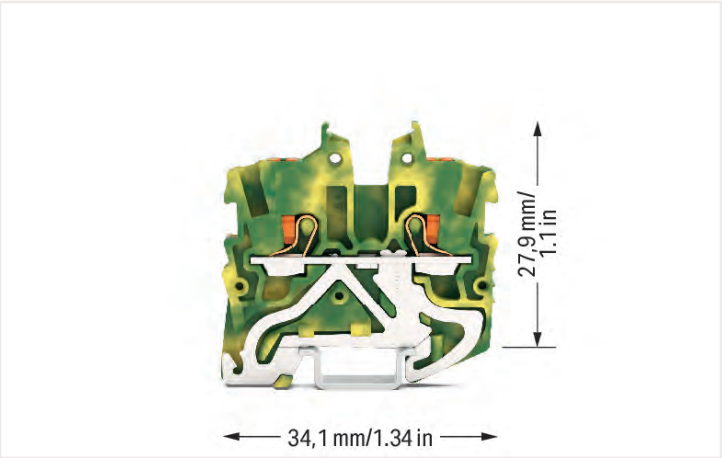
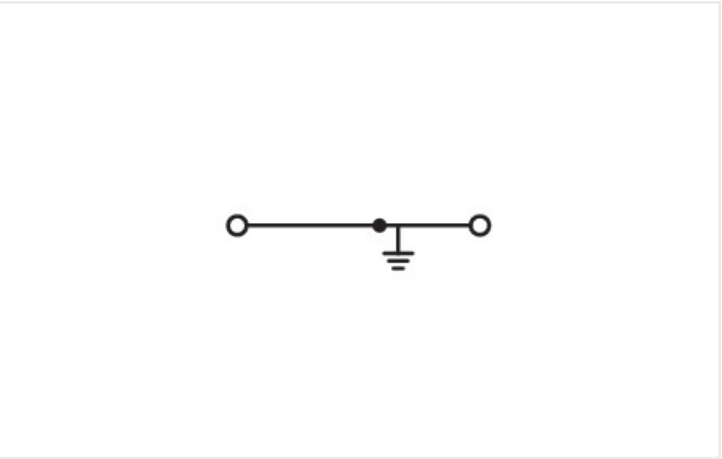


Data sheet | Item number: 2250-1207
2-conductor miniature ground terminal block; with push-button; 1 mm²; side and center marking; for DIN-15 rail; Push-in CAGE CLAMP®; 1,00 mm²; green-yellow



Color:  green-yellow



Similar to illustration

Electrical data		
Ratings per IEC/EN		Ex information
Ratings per	IEC/EN 60947-7-2	
		Reference hazardous areas
		See "Downloads – Documentation – Additional Information: Technical Section; Technical Explanations"

Connection data		
Connection points	2	Connection 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 ... 0.75 mm² / 24 ... 18 AWG Fine-stranded conductor; with ferrule; push-in termination 0.5 ... 0.75 mm² / 20 ... 18 AWG
Total number of potentials	1	
Number of levels	1	
Number of jumper slots	1	

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	green-yellow
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.047 MJ
Weight	3.8 g

Environmental requirements

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

Commercial data

ETIM 8.0	EC000901
ETIM 7.0	EC000901
PU (SPU)	100 pcs
Country of origin	DE
GTIN	4055143981729
Customs tariff number	85369010000

Approvals and certificates

General approvals



Approval	Standard	Certificate name
CCA DEKRA Certification B.V.	EN 60947	NTR NL 7839
CCA DEKRA Certification B.V.	EN 60998	NTR NL 7840
CSA CSA	C22.2 No. 158	80034182

General approvals

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

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Compliance 2250-1207



Documentation

Additional Information

Technical Section

pdf
2142.18 KB



CAD/CAE-Data

CAD data

2D/3D Models
2250-1207



CAE data

EPLAN Data Portal
2250-1207



WSCAD Universe
2250-1207



ZUKEN Portal
2250-1207



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.: 210-296

Aluminum carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; unslopped; similar to EN 60715; silver-colored



Item no.: 210-111

Steel carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; slopped; according to EN 60715; silver-colored



Item no.: 210-295

Steel carrier rail; 15 x 5.5 mm; 1 mm thick; 2 m long; unslopped; 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; 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

1.2.3 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; 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



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 (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).

Marking

Snapping a marking strip into the marker slot.

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