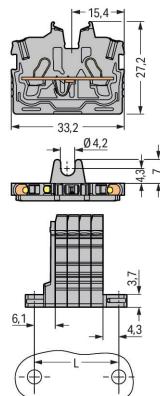


Color: ■ green-yellow

Similar to illustration

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

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 Ω

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	Operating tool
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

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	Mounting flange
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 MJ
Weight	2.5 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	4055143965125
Customs tariff number	85369010000

Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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Approvals / Certificates

General approvals



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
KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-113957

Declarations of conformity and manufacturer's declarations

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

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 2050-307

Documentation

Additional Information

Technical Section

pdf
2240.62 KB

CAD/CAE-Data

CAD data

2D/3D Models
2050-307



CAE data

EPLAN Data Portal
2050-307



WSCAD Universe
2050-307



ZUKEN Portal
2050-307



1 Compatible Products

1.1 System counterpart

1.1.1 Through terminal block



[Item No.: 2050-327](#)

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; green-yellow

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 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

1.3.2 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

[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](#)

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](#)

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

1.3.4 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.: 2009-113/000-024](#)

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 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

1.3.7 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 mm²; 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

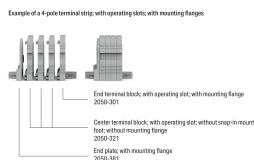
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

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.