2-conductor miniature through terminal block; with operating slots; 1 mm²; End terminal block with mounting flange; side and center marking; with test port; Push-in CAGE CLAMP®; 1,00 mm²; blue

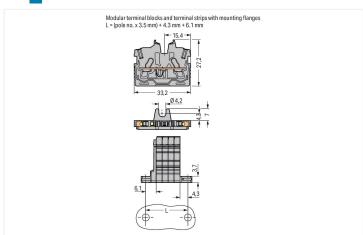


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Color: blue Similar to illustration



Electrical data			
Ratings per IEC/EN		Ratings per UL 1059	
Ratings per	IEC/EN 60998-2-2	Approvals per	UL 1059
Nominal voltage (III/3)	500 V	Rated voltage UL (Use Group B)	300 V
Rated impulse voltage (III/3)	6 kV	Rated current UL (Use Group B)	10 A
Rated current	13.5 A	Rated voltage UL (Use Group C)	300 V
Current at conductor cross-section (max.) mm <sup>2</sup>	17.5 A	Rated current UL (Use Group C)	10 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Polluti-		

Ratings per CSA	
Approvals per	CSA 22.2 No 158
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group C)	300 V
Rated current CSA (Use Group C)	10 A

on degree 3

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

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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 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
		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	blue
Material group	1
Insulation material	Polyamide (PA66)
Flammability class per UL94	VO
Fire load	0.051 MJ
Weight	2.5 g

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#### **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	4055143964968
Customs tariff number	85369010000

# 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
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

# Approvals for hazardous areas





# **IECE**x

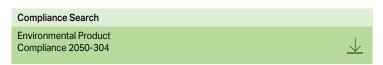
Approval	Standard	Certificate Name
AEx Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
ATEX Physikalisch Technische Bundesanstalt	EN IEC 60079-0	PTB 19 ATEX 1019 U (II 2G Ex eb IIC Gb or I M 2 Ex eb I Mb)
CCC CNEX	GB/T 3836.3	2020312313000289 (Ex eb IIC Gb, Ex eb I Mb)
IECEx 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

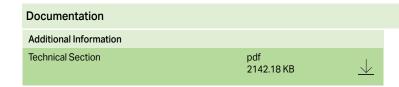
### Downloads

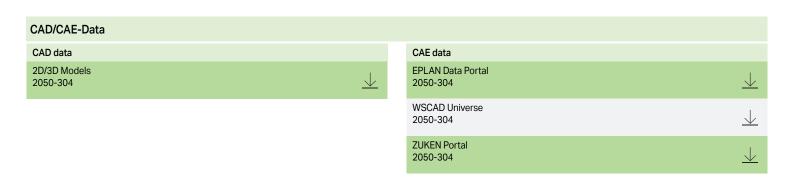
# **Environmental Product Compliance**

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### 1 Compatible Products

### 1.1 System counterpart

### 1.1.1 Through terminal block



### Item No.: 2050-324

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; blue

### 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

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#### 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 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.: 2000-402

Item No.: 2000-410/000-006



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.: 2000-402/000-005 Jumper; 2-way; insulated; light gray Jumper; 2-way; insulated; red



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.: 2000-404/000-006 Jumper; 4-way; insulated; blue



Item No.: 2000-404

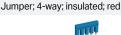
Jumper; 4-way; insulated; light gray



Item No.: 2000-405/000-006

Item No.: 2000-405 Jumper; 5-way; insulated; light gray





Jumper; 5-way; insulated; blue



Item No.: 2000-405/000-005

Jumper; 5-way; insulated; red

Item No.: 2000-406/000-006 Jumper; 6-way; insulated; blue

Item No.: 2000-407

Item No.: 2000-406

Jumper; 6-way; insulated; light gray

Item No.: 2000-406/000-005 Jumper; 6-way; insulated; red



Jumper; 7-way; insulated; blue





Item No.: 2000-407/000-006



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



Item No.: 2000-408/000-005

Jumper; 8-way; insulated; red



Jumper; 8-way; insulated; light gray

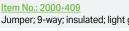


Item No.: 2000-409/000-006 Jumper; 9-way; insulated; blue

Jumper; 9-way; insulated; light gray

Item No.: 2000-433

Item No.: 2000-436



Item No.: 2000-409/000-005

Jumper; 9-way; insulated; red



Item No.: 2000-433/000-006

Jumper; from 1 to 3; insulated; blue

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

Jumper; from 1 to 6; insulated; light gray

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#### 1.3.3.1 Jumper

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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

TITLE

Item No.: 793-3501 WMB marking card; as card; plain; snapon type; white

Item No.: 2009-113/000-006

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue

4

Item No.: 2009-113/000-007

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray

4

Item No.: 2009-113/000-023

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green

9

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

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#### 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 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;

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

<u>Item No.: 210-719</u> Operating tool; Blade: 2.5 x 0.4 mm; with a 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**

partially insulated shaft

#### Installation

xample of a 4-pole terminal strig; with operating slots; with mounting flanges



### **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.

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#### 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  $\emptyset$  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.

Subject to changes. Please also observe the further product documentation!

Current addresses can be found at::  $\underline{www.wago.com}$ 

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