

**Data sheet | Item number: 2050-307**

2-conductor miniature through terminal block; with operating slots; 1 mm<sup>2</sup>;  
End terminal block with mounting flange; side and center marking; with test  
port; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow



[www.wago.com/2050-307](http://www.wago.com/2050-307)



Color:



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

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## Data

### Electrical data

### Ex information

Reference hazardous areas

See "Downloads – Documentation – Additional Information:  
Technical Section; Technical Explications"

### Power Loss

Power loss, per pole (potential)	0.434 W
Rated current $I_N$ for specified power loss	13.5 A
Resistance value for specified, current-dependent power loss	0.002 $\Omega$

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## 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 <sup>2</sup>
Solid conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Solid conductor; push-in termination	0.5 ... 1.5 mm <sup>2</sup> / 20 ... 16 AWG
Fine-stranded conductor	0.14 ... 1.5 mm <sup>2</sup> / 24 ... 16 AWG
Fine-stranded conductor; with insulated ferrule	0.14 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm <sup>2</sup> / 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	green-yellow

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



Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
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
------------------------	-------------------------

### Approvals / Certificates

#### General approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>CCA</b> DEKRA Certification B.V.	EN 60998	NTR NL 7840
	<b>CSA</b> CSA	C22.2 No. 158	80034182
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60998	71- 113957

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>ATEX-Attestation of Conformity</b> WAGO GmbH & Co. KG	-	-

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<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

**Approvals for hazardous areas**

Logo	Approval	Additional Approval Text	Certificate name
	<b>AEx</b> Underwriters Laboratories Inc.	UL 60079	E185892 (AEx eb IIC resp. Ex eb IIC)
	<b>ATEX</b> 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)
	<b>CCC</b> CNEX	GB/T 3836.3	2020312313000289 (Ex eb IIC Gb, Ex eb I Mb)
	<b>IECEX</b> Physikalisch Technische Bundesanstalt	IEC 60079	IECEX PTB 19.0050U (Ex eb IIC Gb or EX eb I Mb)
	<b>INMETRO</b> TÜV Rheinland do Brasil Ltda.	IEC 60079	TÜV 22.0014 U

**Counterpart****Item no.2050-327**

2-conductor miniature through terminal block; with operating slots; 1 mm<sup>2</sup>; Center terminal block without snap-in mounting foot, without mounting flange; side and center marking; with test port; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

[www.wago.com/2050-327](http://www.wago.com/2050-327)

**Required accessories****End plate**

End plate	
<b>Item no.: 2050-381</b> End plate; with fixing flange; 1.3 mm thick; gray	<a href="http://www.wago.com/2050-381">www.wago.com/2050-381</a>

**Optional accessories****Tool**

Operating tool	
<b>Item no.: 210-648</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short	<a href="http://www.wago.com/210-648">www.wago.com/210-648</a>
<b>Item no.: 210-647</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured	<a href="http://www.wago.com/210-647">www.wago.com/210-647</a>

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**Item no.: 210-719**

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

[www.wago.com/210-719](http://www.wago.com/210-719)**Ferrule**

## 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[www.wago.com/216-241](http://www.wago.com/216-241)**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[www.wago.com/216-242](http://www.wago.com/216-242)**Item no.: 216-243**Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red[www.wago.com/216-243](http://www.wago.com/216-243)**Push-in type wire jumper**

## Jumper

**Item no.: 2009-404**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 110 mm long; gray[www.wago.com/2009-404](http://www.wago.com/2009-404)**Item no.: 2009-402**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 60 mm long; gray[www.wago.com/2009-402](http://www.wago.com/2009-402)**Item no.: 2009-406**Push-in type wire jumper; 0.75 mm<sup>2</sup>; insulated; 250 mm long; gray[www.wago.com/2009-406](http://www.wago.com/2009-406)**Mounting**

## Mounting accessories

**Item no.: 209-123**

Mounting foot with screw; can be screwed on terminal blocks with fixing flange; 6.4 mm wide; gray

[www.wago.com/209-123](http://www.wago.com/209-123)**Item no.: 209-137**

Mounting adapter; can be used as end stop; 6.5 mm wide; gray

[www.wago.com/209-137](http://www.wago.com/209-137)**Testing and measuring**

## Testing accessories

**Item no.: 2009-174**

Test plug adapter; for 4 mm Ø test plugs; for testing TOPJOB®S rail-mounted terminal blocks; gray

[www.wago.com/2009-174](http://www.wago.com/2009-174)**Item no.: 2009-182**Testing tap; for max. 2.5 mm<sup>2</sup>; tool-free connection for individual test wires 0.08 - 2.5 mm; gray[www.wago.com/2009-182](http://www.wago.com/2009-182)**Item no.: 210-136**

Test plug; 2 mm Ø; with 500 mm cable; red

[www.wago.com/210-136](http://www.wago.com/210-136)**Jumpers**

## Jumper

**Item no.: 2000-408**

Jumper; 8-way; insulated; light gray

[www.wago.com/2000-408](http://www.wago.com/2000-408)**Item no.: 2000-407**[www.wago.com/2000-407](http://www.wago.com/2000-407)

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Jumper; 7-way; insulated; light gray

**Item no.: 2000-409**

Jumper; 9-way; insulated; light gray

[www.wago.com/2000-409](http://www.wago.com/2000-409)

**Item no.: 2000-408/000-006**

Jumper; 8-way; insulated; blue

[www.wago.com/2000-408/000-006](http://www.wago.com/2000-408/000-006)

**Item no.: 2000-408/000-005**

Jumper; 8-way; insulated; red

[www.wago.com/2000-408/000-005](http://www.wago.com/2000-408/000-005)

**Item no.: 2000-409/000-005**

Jumper; 9-way; insulated; red

[www.wago.com/2000-409/000-005](http://www.wago.com/2000-409/000-005)

**Item no.: 2000-407/000-006**

Jumper; 7-way; insulated; blue

[www.wago.com/2000-407/000-006](http://www.wago.com/2000-407/000-006)

**Item no.: 2000-410**

Jumper; 10-way; insulated; light gray

[www.wago.com/2000-410](http://www.wago.com/2000-410)

**Item no.: 2000-410/000-006**

Jumper; 10-way; insulated; blue

[www.wago.com/2000-410/000-006](http://www.wago.com/2000-410/000-006)

**Item no.: 2000-433/000-005**

Jumper; from 1 to 3; insulated; red

[www.wago.com/2000-433/000-005](http://www.wago.com/2000-433/000-005)

**Item no.: 2000-407/000-005**

Jumper; 7-way; insulated; red

[www.wago.com/2000-407/000-005](http://www.wago.com/2000-407/000-005)

**Item no.: 2000-433/000-006**

Jumper; from 1 to 3; insulated; blue

[www.wago.com/2000-433/000-006](http://www.wago.com/2000-433/000-006)

**Item no.: 2000-410/000-005**

Jumper; 10-way; insulated; red

[www.wago.com/2000-410/000-005](http://www.wago.com/2000-410/000-005)

**Item no.: 2000-435**

Jumper; from 1 to 5; insulated; light gray

[www.wago.com/2000-435](http://www.wago.com/2000-435)

**Item no.: 2000-409/000-006**

Jumper; 9-way; insulated; blue

[www.wago.com/2000-409/000-006](http://www.wago.com/2000-409/000-006)

**Item no.: 2000-436**

Jumper; from 1 to 6; insulated; light gray

[www.wago.com/2000-436](http://www.wago.com/2000-436)

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<b>Item no.: 2000-433</b> Jumper; from 1 to 3; insulated; light gray	<a href="http://www.wago.com/2000-433">www.wago.com/2000-433</a>
<b>Item no.: 2000-434</b> Jumper; from 1 to 4; insulated; light gray	<a href="http://www.wago.com/2000-434">www.wago.com/2000-434</a>
<b>Item no.: 2000-402</b> Jumper; 2-way; insulated; light gray	<a href="http://www.wago.com/2000-402">www.wago.com/2000-402</a>
<b>Item no.: 2000-402/000-006</b> Jumper; 2-way; insulated; blue	<a href="http://www.wago.com/2000-402/000-006">www.wago.com/2000-402/000-006</a>
<b>Item no.: 2000-403</b> Jumper; 3-way; insulated; light gray	<a href="http://www.wago.com/2000-403">www.wago.com/2000-403</a>
<b>Item no.: 2000-402/000-005</b> Jumper; 2-way; insulated; red	<a href="http://www.wago.com/2000-402/000-005">www.wago.com/2000-402/000-005</a>
<b>Item no.: 2000-402/000-018</b> Jumper; 2-way; insulated; yellow-green	<a href="http://www.wago.com/2000-402/000-018">www.wago.com/2000-402/000-018</a>
<b>Item no.: 2000-404</b> Jumper; 4-way; insulated; light gray	<a href="http://www.wago.com/2000-404">www.wago.com/2000-404</a>
<b>Item no.: 2000-403/000-005</b> Jumper; 3-way; insulated; red	<a href="http://www.wago.com/2000-403/000-005">www.wago.com/2000-403/000-005</a>
<b>Item no.: 2000-404/000-006</b> Jumper; 4-way; insulated; blue	<a href="http://www.wago.com/2000-404/000-006">www.wago.com/2000-404/000-006</a>
<b>Item no.: 2000-403/000-006</b> Jumper; 3-way; insulated; blue	<a href="http://www.wago.com/2000-403/000-006">www.wago.com/2000-403/000-006</a>
<b>Item no.: 2000-404/000-005</b> Jumper; 4-way; insulated; red	<a href="http://www.wago.com/2000-404/000-005">www.wago.com/2000-404/000-005</a>
<b>Item no.: 2000-405</b> Jumper; 5-way; insulated; light gray	<a href="http://www.wago.com/2000-405">www.wago.com/2000-405</a>
<b>Item no.: 2000-405/011-000</b> Star point jumper; 3-way; insulated; light gray	<a href="http://www.wago.com/2000-405/011-000">www.wago.com/2000-405/011-000</a>
<b>Item no.: 2000-405/000-006</b> Jumper; 5-way; insulated; blue	<a href="http://www.wago.com/2000-405/000-006">www.wago.com/2000-405/000-006</a>

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

[www.wago.com/2000-406/000-006](http://www.wago.com/2000-406/000-006)

**Item no.: 2000-405/000-005**  
Jumper; 5-way; insulated; red

[www.wago.com/2000-405/000-005](http://www.wago.com/2000-405/000-005)

**Item no.: 2000-406**  
Jumper; 6-way; insulated; light gray

[www.wago.com/2000-406](http://www.wago.com/2000-406)

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

[www.wago.com/2000-406/000-005](http://www.wago.com/2000-406/000-005)

**Item no.: 2000-406/020-000**  
Delta jumper; insulated; light gray

[www.wago.com/2000-406/020-000](http://www.wago.com/2000-406/020-000)

**Item no.: 2000-437**  
Jumper; from 1 to 7; insulated; light gray

[www.wago.com/2000-437](http://www.wago.com/2000-437)

**Item no.: 2000-438**  
Jumper; from 1 to 8; insulated; light gray

[www.wago.com/2000-438](http://www.wago.com/2000-438)

**Item no.: 2000-439**  
Jumper; from 1 to 9; insulated; light gray

[www.wago.com/2000-439](http://www.wago.com/2000-439)

**Item no.: 2000-440**  
Jumper; from 1 to 10; insulated; light gray

[www.wago.com/2000-440](http://www.wago.com/2000-440)

#### Protective warning marker

Cover

**Item no.: 2000-115**  
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

[www.wago.com/2000-115](http://www.wago.com/2000-115)

#### Marking accessories

Marker

**Item no.: 2009-113**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

[www.wago.com/2009-113](http://www.wago.com/2009-113)

**Item no.: 2009-113/000-002**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow

[www.wago.com/2009-113/000-002](http://www.wago.com/2009-113/000-002)

**Item no.: 2009-113/000-012**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange

[www.wago.com/2009-113/000-012](http://www.wago.com/2009-113/000-012)

**Item no.: 2009-113/000-007**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray

[www.wago.com/2009-113/000-007](http://www.wago.com/2009-113/000-007)

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Item no.: 2009-113/000-005

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

[www.wago.com/2009-113/000-005](http://www.wago.com/2009-113/000-005)

Item no.: 2009-113/000-017

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

[www.wago.com/2009-113/000-017](http://www.wago.com/2009-113/000-017)

Item no.: 2009-113/000-006

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

[www.wago.com/2009-113/000-006](http://www.wago.com/2009-113/000-006)

Item no.: 2009-113/000-024

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

[www.wago.com/2009-113/000-024](http://www.wago.com/2009-113/000-024)

Item no.: 2009-113/000-023

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

[www.wago.com/2009-113/000-023](http://www.wago.com/2009-113/000-023)

Item no.: 793-3501

WMB marking card; as card; plain; snap-on type; white

[www.wago.com/793-3501](http://www.wago.com/793-3501)

Group marker carrier

Item no.: 2009-191

Group marker carrier; gray

[www.wago.com/2009-191](http://www.wago.com/2009-191)

## Downloads

### Documentation

#### Additional Information

pdf  
2.2 MB  
Download

## CAD/CAE-Data

### CAD data

2D/3D Models 2050-307

URL  
Download

### CAE data

ZUKEN Portal 2050-307

URL  
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EPLAN Data Portal 2050-307

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2050-307

URL

Download

2-conductor miniature through terminal block; with operating slots; 1 mm<sup>2</sup>; End terminal block with mounting flange; side and center marking; with test port; Push-in CAGE CLAMP®; 1,00 mm<sup>2</sup>; green-yellow

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## Installation Notes

### Installation



### Conductor termination



Insert solid conductors via push-in termination.

Insert ferruled conductors via push-in termination.

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

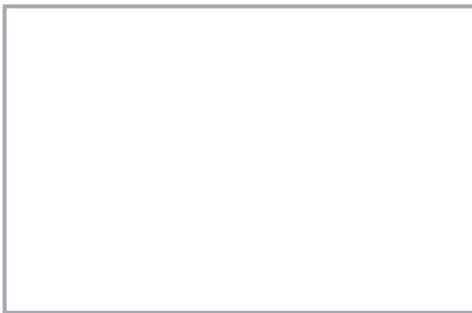


Insert fine-stranded conductors via operating tool.

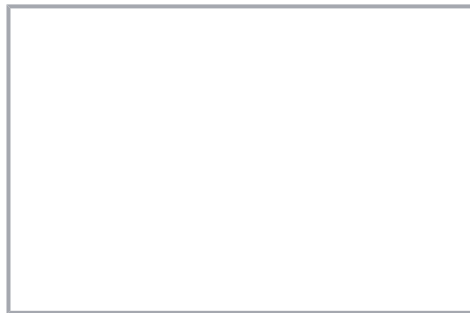


Remove all conductors via operating tool.

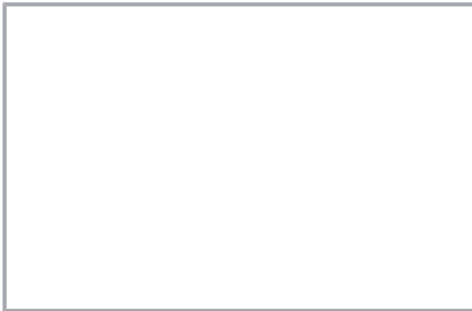
### Commoning



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

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



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.

### Product family

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



### TOPJOB® S

TOPJOB® S: In various industrial applications and modern building installations, WAGO's wide and versatile range of rail-mount terminal blocks provides more than just reliable electrical connections.

[Show all products from the family](#)

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