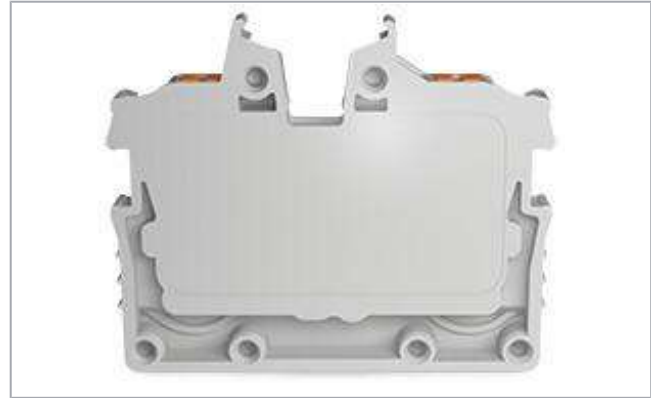
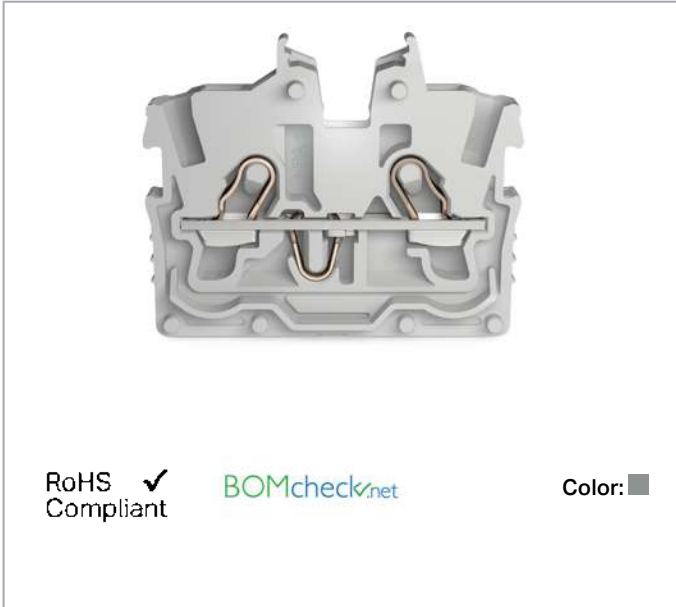


Data sheet | Item number: 2050-321 **NEW**



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

[www.wago.com/2050-321](http://www.wago.com/2050-321)



**Data**

**Electrical data**

**Ratings per IEC/EN 60664-1**

Ratings per	IEC/EN 60947-7-1
Rated voltage (III / 3)	500 V
Rated surge voltage (III/3)	6 kV
Rated current	13.5 A
Rated current 2	17.5 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

**Ratings per UL 1059**

Approvals per	E45172
Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group C)	300 V
Rated current UL (Use Group C)	10 A

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

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## Ratings per CSA

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

## Ex information

Rated voltage EN (Ex e II)	353 V
Rated current (Ex e II)	13.5 A
Rated current (Ex e II) with jumper	12 A

## Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-in 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	0.5 ... / 20 ... 18 AWG
Fine-stranded conductor; with ferrule; push-in termination	0.5 ... 0.75 mm <sup>2</sup> / 20 ... 18 AWG
Strip length	9 ... 11 mm / 0.35 ... 0.43 inch
Total number of connection points	2
Total number of potentials	1
Number of levels	1
Wiring type	Front-entry wiring
Note (conductor cross-section)	Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination.
Number of jumper slots	1

## Physical data

Width	3.5 mm / 0.138 inch
Height from the surface	27.2 mm / 1.071 inch
Depth	33.2 mm / 1.307 inch

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

## Mechanical data

Design	horizontal type
Marking level	Center/side marking

## Material Data



Color	gray
Insulation material	Polyamide (PA66)
Weight	2.3 g

## Commercial data


Packaging type	BOX
Country of origin	DE
GTIN	4055143964784
Customs tariff number	85369010000

## Approvals / Certificates

### Ex-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	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)
	IECEX Physikalisch Technische Bundesanstalt	IEC 60079	IECEX PTB 19.0050U (Ex eb IIC Gb or EX eb I Mb)

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60998	NTR NL 7840
	CSA	C22.2 No. 158	80034182

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



CSA



KEMA/KEUR  
DEKRA Certification B.V.

EN 60998

71-  
113957

#### UL-Approvals

Logo

Approval

Additional Approval Text

Certificate  
name



cURus  
Underwriters Laboratories Inc.

UL 1059

E45172-  
20200212

#### Counterpart



**Item no.2050-301**

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

[www.wago.com/2050-301](http://www.wago.com/2050-301)



**Item no.2050-311**

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

[www.wago.com/2050-311](http://www.wago.com/2050-311)

#### Compatible products

##### 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

[www.wago.com/216-243](http://www.wago.com/216-243)

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



crimped; acc. to DIN 46228, Part 4/09.90; red

**Protective Warning Marker****Item no.: 2000-115**

TOPJOB®S protective warning marker; with high-voltage symbol, for 2000 series terminal blocks; for 5 terminal blocks

[www.wago.com/2000-115](http://www.wago.com/2000-115)**Marking accessories****Item no.: 2009-110**

Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white

[www.wago.com/2009-110](http://www.wago.com/2009-110)**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.: 2009-113/000-005**

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.: 2009-113/000-006**

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.: 2009-113/000-007**

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)**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.: 2009-113/000-017**

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.: 2009-113/000-023**

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.: 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.: 2009-191**







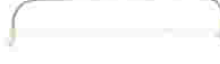








Group marker carrier

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
















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

	<b>Item no.: 2009-174</b> TOPJOB®S test plug adapter; for test plug 4 mm Ø; for testing TOPJOB®S terminal blocks; gray	<a href="http://www.wago.com/2009-174">www.wago.com/2009-174</a>
	<b>Item no.: 2009-182</b> TOPJOB®S testing tap; tool-free; 12 AWG max; for testing TOPJOB®S terminal blocks; gray	<a href="http://www.wago.com/2009-182">www.wago.com/2009-182</a>
	<b>Item no.: 210-136</b> Test plug; 2 mm Ø; with 500 mm cable	<a href="http://www.wago.com/210-136">www.wago.com/210-136</a>
	<b>Item no.: 210-137</b> Test plug; 2.3 mm Ø; with 500 mm cable	<a href="http://www.wago.com/210-137">www.wago.com/210-137</a>
<b>Push-In type wire jumper</b>		
	<b>Item no.: 2009-402</b> TOPJOB®S wire jumper; insulated; 60 mm long; conductor cross section 0.75 mm <sup>2</sup> ; suitable for 2000 and 2020 series terminal blocks; gray	<a href="http://www.wago.com/2009-402">www.wago.com/2009-402</a>
	<b>Item no.: 2009-404</b> TOPJOB®S wire jumper; insulated; 110 mm long; conductor cross section 0.75 mm <sup>2</sup> ; suitable for 2000 and 2020 series terminal blocks; gray	<a href="http://www.wago.com/2009-404">www.wago.com/2009-404</a>
	<b>Item no.: 2009-406</b> TOPJOB®S wire jumper; insulated; 250 mm long; conductor cross section 0.75 mm <sup>2</sup> ; suitable for 2000 and 2020 series terminal blocks; gray	<a href="http://www.wago.com/2009-406">www.wago.com/2009-406</a>
<b>tools</b>		
	<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>
	<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.: 210-719</b> Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-719">www.wago.com/210-719</a>
<b>Jumper</b>		
	<b>Item no.: 2000-402</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way; light-gray	<a href="http://www.wago.com/2000-402">www.wago.com/2000-402</a>
	<b>Item no.: 2000-402/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way; red	<a href="http://www.wago.com/2000-402/000-005">www.wago.com/2000-402/000-005</a>
	<b>Item no.: 2000-402/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way; blue	<a href="http://www.wago.com/2000-402/000-006">www.wago.com/2000-402/000-006</a>
	<b>Item no.: 2000-402/000-018</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way; green-yellow	<a href="http://www.wago.com/2000-402/000-018">www.wago.com/2000-402/000-018</a>
	<b>Item no.: 2000-403</b> TOPJOB®S jumper; for 2000 series; insulated; 3-way; light-gray	<a href="http://www.wago.com/2000-403">www.wago.com/2000-403</a>

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

	<p><b>Item no.: 2000-403/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 3-way; red</p>	<a href="http://www.wago.com/2000-403/000-005">www.wago.com/2000-403/000-005</a>
	<p><b>Item no.: 2000-403/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 3-way; blue</p>	<a href="http://www.wago.com/2000-403/000-006">www.wago.com/2000-403/000-006</a>
	<p><b>Item no.: 2000-404</b> TOPJOB®S jumper; for 2000 series; insulated; 4-way; light-gray</p>	<a href="http://www.wago.com/2000-404">www.wago.com/2000-404</a>
	<p><b>Item no.: 2000-404/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 4-way; red</p>	<a href="http://www.wago.com/2000-404/000-005">www.wago.com/2000-404/000-005</a>
	<p><b>Item no.: 2000-404/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 4-way; blue</p>	<a href="http://www.wago.com/2000-404/000-006">www.wago.com/2000-404/000-006</a>
	<p><b>Item no.: 2000-405</b> TOPJOB®S jumper; for 2000 series; insulated; 5-way; light-gray</p>	<a href="http://www.wago.com/2000-405">www.wago.com/2000-405</a>
	<p><b>Item no.: 2000-405/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 5-way; red</p>	<a href="http://www.wago.com/2000-405/000-005">www.wago.com/2000-405/000-005</a>
	<p><b>Item no.: 2000-405/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 5-way; blue</p>	<a href="http://www.wago.com/2000-405/000-006">www.wago.com/2000-405/000-006</a>
	<p><b>Item no.: 2000-405/011-000</b> TOPJOB®S jumper; Wye configuration; for 2000 series; insulated; 3-way (1-3-5); light-gray</p>	<a href="http://www.wago.com/2000-405/011-000">www.wago.com/2000-405/011-000</a>
	<p><b>Item no.: 2000-406</b> TOPJOB®S jumper; for 2000 series; insulated; 6-way; light-gray</p>	<a href="http://www.wago.com/2000-406">www.wago.com/2000-406</a>
	<p><b>Item no.: 2000-406/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 6-way; red</p>	<a href="http://www.wago.com/2000-406/000-005">www.wago.com/2000-406/000-005</a>
	<p><b>Item no.: 2000-406/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 6-way; blue</p>	<a href="http://www.wago.com/2000-406/000-006">www.wago.com/2000-406/000-006</a>
	<p><b>Item no.: 2000-406/020-000</b> TOPJOB®S jumper; Delta configuration; for 2000 series; insulated; 6-way (1-2, 3-4, 5-6); light-gray</p>	<a href="http://www.wago.com/2000-406/020-000">www.wago.com/2000-406/020-000</a>
	<p><b>Item no.: 2000-407</b> TOPJOB®S jumper; for 2000 series; insulated; 7-way; light-gray</p>	<a href="http://www.wago.com/2000-407">www.wago.com/2000-407</a>
	<p><b>Item no.: 2000-407/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 7-way; red</p>	<a href="http://www.wago.com/2000-407/000-005">www.wago.com/2000-407/000-005</a>







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

		
	<b>Item no.: 2000-407/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 7-way; blue	<a href="http://www.wago.com/2000-407/000-006">www.wago.com/2000-407/000-006</a>
	<b>Item no.: 2000-408</b> TOPJOB®S jumper; for 2000 series; insulated; 8-way; light-gray	<a href="http://www.wago.com/2000-408">www.wago.com/2000-408</a>
	<b>Item no.: 2000-408/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 8-way; red	<a href="http://www.wago.com/2000-408/000-005">www.wago.com/2000-408/000-005</a>
	<b>Item no.: 2000-408/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 8-way; blue	<a href="http://www.wago.com/2000-408/000-006">www.wago.com/2000-408/000-006</a>
	<b>Item no.: 2000-409</b> TOPJOB®S jumper; for 2000 series; insulated; 9-way; light-gray	<a href="http://www.wago.com/2000-409">www.wago.com/2000-409</a>
	<b>Item no.: 2000-409/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 9-way; red	<a href="http://www.wago.com/2000-409/000-005">www.wago.com/2000-409/000-005</a>
	<b>Item no.: 2000-409/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 9-way; blue	<a href="http://www.wago.com/2000-409/000-006">www.wago.com/2000-409/000-006</a>
	<b>Item no.: 2000-410</b> TOPJOB®S jumper; for 2000 series; insulated; 10-way; light-gray	<a href="http://www.wago.com/2000-410">www.wago.com/2000-410</a>
	<b>Item no.: 2000-410/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 10-way; red	<a href="http://www.wago.com/2000-410/000-005">www.wago.com/2000-410/000-005</a>
	<b>Item no.: 2000-410/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 10-way; blue	<a href="http://www.wago.com/2000-410/000-006">www.wago.com/2000-410/000-006</a>
	<b>Item no.: 2000-433</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); light-gray	<a href="http://www.wago.com/2000-433">www.wago.com/2000-433</a>
	<b>Item no.: 2000-433/000-005</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); red	<a href="http://www.wago.com/2000-433/000-005">www.wago.com/2000-433/000-005</a>
	<b>Item no.: 2000-433/000-006</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-3); blue	<a href="http://www.wago.com/2000-433/000-006">www.wago.com/2000-433/000-006</a>
	<b>Item no.: 2000-434</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-4); light-gray	<a href="http://www.wago.com/2000-434">www.wago.com/2000-434</a>

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





	<b>Item no.: 2000-435</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-5); light-gray	<a href="http://www.wago.com/2000-435">www.wago.com/2000-435</a>
	<b>Item no.: 2000-436</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-6); light-gray	<a href="http://www.wago.com/2000-436">www.wago.com/2000-436</a>
	<b>Item no.: 2000-437</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-7); light-gray	<a href="http://www.wago.com/2000-437">www.wago.com/2000-437</a>
	<b>Item no.: 2000-438</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-8); light-gray	<a href="http://www.wago.com/2000-438">www.wago.com/2000-438</a>
	<b>Item no.: 2000-439</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-9); light-gray	<a href="http://www.wago.com/2000-439">www.wago.com/2000-439</a>
	<b>Item no.: 2000-440</b> TOPJOB®S jumper; for 2000 series; insulated; 2-way (1-10); light-gray	<a href="http://www.wago.com/2000-440">www.wago.com/2000-440</a>

## Downloads

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2.2 MB	Download
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## CAD files

### CAD data

2D/3D Models 2050-321	URL	Download
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### CAE data

ZUKEN Portal 2050-321	URL	Download
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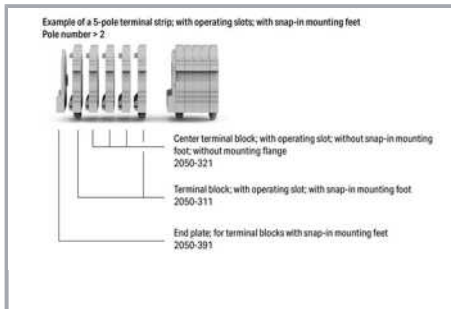
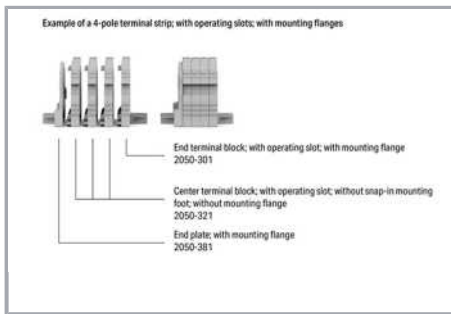
EPLAN Data Portal 2050-321		Download
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## Installation Notes

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

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 Email: [info.us@wago.com](mailto:info.us@wago.com) | Web: [www.wago.us](http://www.wago.us)

Do you have any questions about our products?  
 We are always happy to take your call at {0}.



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