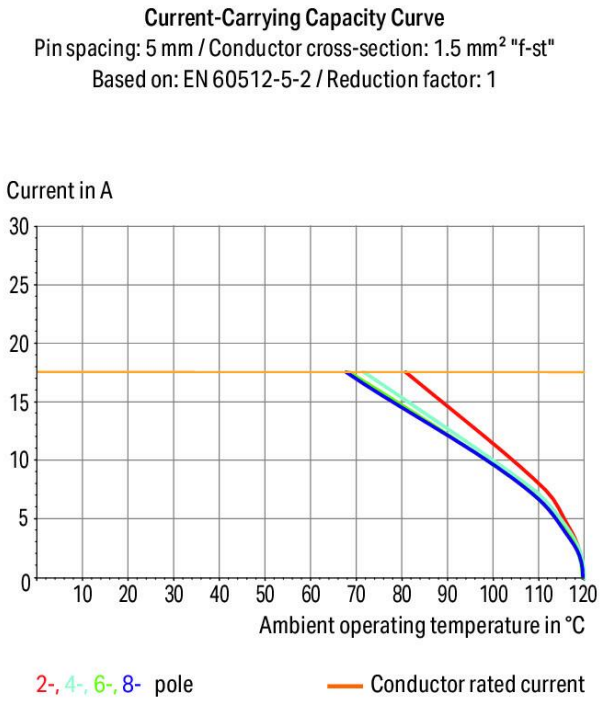
THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 5 mm; 6-pole; Push-in CAGE CLAMP®; Solder pin length 1.5 mm; 1,50 mm²; black

www.wago.com/2086-3106/300-000



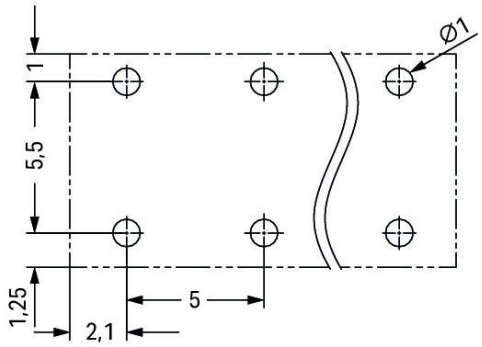
Color:



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

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Dimensions in mm
L = (pole no. – 1) x pin spacing + 4.2 mm

Item description

- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® allows push-in termination of solid and fine-stranded conductors with ferrules
- SMD and THR variants available
- Delivery in tape-and-reel packaging for full integration into SMT soldering process
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction both parallel and perpendicular to the PCB
- Choice of double pin spacing or alternating pin spacing, 3.5 and 5 mm pin spacing

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Data
Electrical data

IEC Approvals

Ratings per	IEC/EN 60664-1
Rated voltage (III / 3)	320 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	320 V
Rated surge voltage (III/2)	4 kV
Nominal voltage (II/2)	630 V
Rated surge voltage (II/2)	4 kV
Rated current	17.5 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

UL Approvals

Approvals per	UL 1059
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
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

CSA Approvals

Approvals per	CSA
Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	10 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	10 A

Connection data

Total number of potentials	6
Number of connection types	1
Number of levels	1

Connection 1

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor	0.14 … 1.5 mm² / 24 … 16 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Conductor connection direction to PCB	90 °
Number of poles	6

Physical data

Pin spacing	5 mm / 0.197 inch
Width	29.2 mm / 1.15 inch
Height	15.1 mm / 0.594 inch
Height from the surface	13.6 mm / 0.535 inch
Depth	7.8 mm / 0.307 inch
Solder pin length	1.5 mm
Solder pin dimensions	0.3 x 0.8 mm
Plated through-hole diameter (THR)	1 $^{(+0.1)}$ mm

PCB contact

PCB Contact	THR
Solder pin arrangement	over the entire terminal strip (in-line)
Number of solder pins per potential	2

Material data

Color	black
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Weight	3.7 g

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Environmental requirements

Limit temperature range	-60 … +105 °C

Commercial data

PU (SPU)	108 Stück
Packaging type	BOX
Country of origin	CH
GTIN	4055144090529
Customs tariff number	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 60947-7-4	NL-74022
	CSA DEKRA Certification B.V.	C22.2	80060692
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-119449

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1059	E45172

Optional accessories

Tools

Operating tool

Item no.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft
www.wago.com/210-719

Testing accessories

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

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Testing accessories



Item no.: 735-500
Test pin; 1 mm Ø; with solder connection for test wire
www.wago.com/735-500



Item no.: 859-500
Test pin; 1 mm Ø; with solder connection for test wire
www.wago.com/859-500

Ferrules

Ferrule

Item no.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-101

Item no.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-104

Item no.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-102

Item no.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated
www.wago.com/216-103

Item no.: 216-142
Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
www.wago.com/216-142

Item no.: 216-132
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated
www.wago.com/216-132

Item no.: 216-121
Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-121

Item no.: 216-143
Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
www.wago.com/216-143

Item no.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored
www.wago.com/216-131

Item no.: 216-141
Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92
www.wago.com/216-141

Item no.: 216-152
Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated
www.wago.com/216-152

Item no.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray
www.wago.com/216-202

Item no.: 216-151
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated
www.wago.com/216-151

Item no.: 216-144
Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored
www.wago.com/216-144

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

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	Item no.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white	www.wago.com/216-201
	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	www.wago.com/216-241
	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	www.wago.com/216-242
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	www.wago.com/216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; green	www.wago.com/216-302

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.0 MB	Download
THR Soldering Process		pdf 548.2 kB	Download

CAD files

CAE data

ZUKEN Portal 2086-3106/300-000	URL	Download

CAD data

2D/3D Models 2086-3106/300-000	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2086-3106/300-000 THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 5 mm; 6-pole; Push-in CAGE CLAMP®; Solder pin length 1.5 mm; 1,50 mm²; black	URL	Download

Installation Notes

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

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Conductor termination



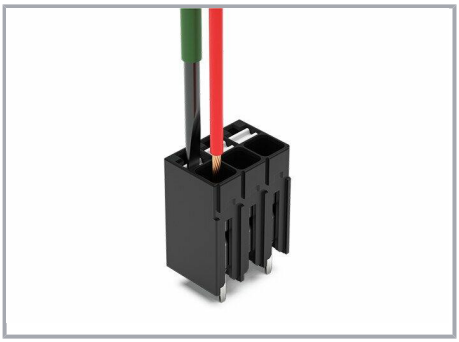
Inserting solid conductor via push-in termination.

Conductor removal



Removing fine-stranded conductors via push-buttons.

Conductor termination



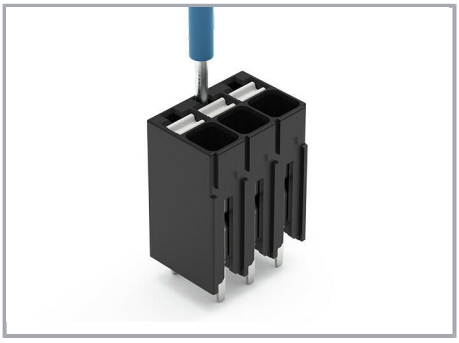
Inserting and removing fine-stranded conductors via push-buttons.

Testing

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

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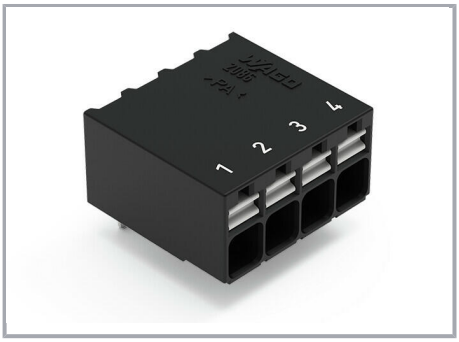
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Testing via 1 mm Ø test pin.

Touch contact with current bar.

Marking



Pole marking via direct marking
perpendicular to conductor entry.

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WAGO:

2002-1207 207-4301 261-402 2636-1355 750-1405/040-000 751-9301 859-798 885-566 2010-1205
236-424 759-302 769-428 855-3001/250-001 2624-3502 2636-3108/020-000 750-638/025-000 852-1322
859-354 2102-1204 236-506 235-502 260-105 2606-3353 2624-1312 769-131 890-503 2086-1107
233-508 2787-2144 769-413