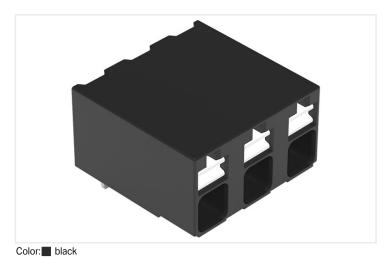
THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 5 mm; 3-pole; Push-in CAGE CLAMP®; 1,50 mm²; black

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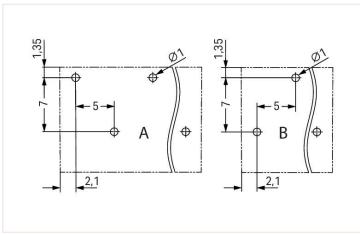


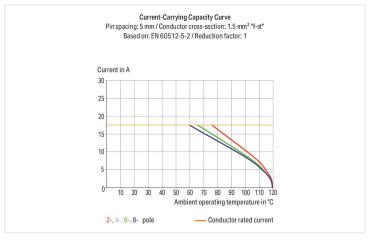


0,3

Dimensions in mm

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





Dimensions in mm

- A = Even pole numbers
- B = Odd pole numbers
- · Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® termination of solid and ferruled conductors
- 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
- Optionally available with in-line or staggered pins (3.5 and 5 mm pin spacing)

Electrical data	
Ratings per IEC/EN	
Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated impulse voltage (III/2)	6 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	17.5 A
Legend (ratings)	(III / 2)

Ratings per UL	
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

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Ratings per CSA	
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	3	Connection 1	
Number of connection types	1	Connection technology	Push-in CAGE CLAMP®
Number of levels	1	Actuation type	Push-button
		Solid conductor	0.14 1.5 mm² / 28 16 AWG
		Fine-stranded conductor	0.14 1.5 mm² / 26 14 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 0.75 mm ²
		Fine-stranded conductor; with uninsulated ferrule	0.25 1.5 mm ²
		Strip length	8 9 mm / 0.31 0.35 inch
		Conductor connection direction to PCB	0°
		Pole number	3

D		
Physical data		
Pin spacing	5 mm / 0.197 inch	
Width	14.2 mm / 0.559 inch	
Depth	13.6 mm / 0.535 inch	
Solder pin length	2.4 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 (staggered)
Number of solder pins per potential	1

Material data	
Note (material data)	Information on material data can be found here
Color	black
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	VO
Clamping spring material	Chrome-nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	Tin
Fire load	0.049 MJ
Weight	1.9 g

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Environmental requirements

-60 ... +105 °C Limit temperature range

Commercial data	
PU (SPU)	228 Pieces
Country of origin VKOrg Germany	CH
GTIN	4055144089684
Customs tariff number VKOrg Germany	85369010000

Approvals and certificates

Country specific Approvals





Approval	Standard	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



Approval	Standard	Certificate name
UL Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2086-3223



Documentation

Additional Information			
Technical Section	03.04.2019	pdf 1949.09 KB	\perp
		pdf 535.32 KB	$\overline{\downarrow}$

CAD/CAE-Data

CAD data

2D/3D Models 2086-3223

CAE data

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1 Compatible products 1.1 Optional accessories 1.1.1 Ferrule 1.1.1.1 Ferrule Item no.: 216-301 Item no.: 216-151 Item no.: 216-131 Item no.: 216-302 Ferrule; Sleeve for 0.25 mm² / AWG 24: Ferrule; Sleeve for 0.34 mm² / 22 AWG; in-Ferrule; Sleeve for 0.25 mm² / AWG 24; in-Ferrule; Sleeve for 0.25 mm² / AWG 24; sulated; electro-tin plated; yellow uninsulated; electro-tin plated uninsulated; electro-tin plated; silver-cosulated; electro-tin plated; light turquoise Item no.: 216-132 Item no.: 216-241 Item no.: 216-201 Item no.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; Ferrule; Sleeve for 0.34 mm² / AWG 24; Ferrule; Sleeve for 0.5 mm² / 20 AWG; in-Ferrule; Sleeve for 0.5 mm² / 20 AWG; inuninsulated; electro-tin plated uninsulated; electro-tin plated sulated; electro-tin plated; electrolytic sulated; electro-tin plated; white copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-Ferrule; Sleeve for 0.5 mm² / AWG 22; un-Ferrule; Sleeve for 0.5 mm² / AWG 22; un-Ferrule; Sleeve for 0.75 mm² / 18 AWG; ininsulated; electro-tin plated; electrolytic insulated; electro-tin plated; silver-coloinsulated; electro-tin plated; silver-colosulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN copper; gastight crimped; acc. to DIN red red 46228, Part 1/08.92 46228, Part 4/09.90; gray Item no.: 216-142 Item no.: 216-103 Item no.: 216-202 Item no.: 216-102 Ferrule; Sleeve for 0.75 mm² / 18 AWG; in-Ferrule; Sleeve for 0.75 mm² / 18 AWG; Ferrule; Sleeve for 0.75 mm² / AWG 20; Ferrule; Sleeve for 1 mm² / AWG 18; uninuninsulated; electro-tin plated; electrolysulated; electro-tin plated; gray uninsulated; electro-tin plated; silver-cosulated; electro-tin plated tic copper; gastight crimped; acc. to DIN

<u>Item no.: 216-143</u>

Ferrule; Sleeve for 1 mm2 / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

46228, Part 1/08.92

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

Item no.: 216-104

Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored

1.1.2 Test and measurement

1.1.2.1 Testing accessories

Item no.: 859-500

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to 0,5mm²

Item no.: 735-500

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CATO; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm2

1.1.3 Tool

1.1.3.1 Operating tool



Item no.: 210-719

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

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Installation notes

Conductor termination



Inserting solid conductor via push-in termination.

Conductor termination



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

Conductor removal



Removing a conductor via push-button.

Testing



Testing via 1 mm Ø test pin.
Touch contact with current bar

Marking



Pole marking via direct marking perpendicular to conductor entry.

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

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

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