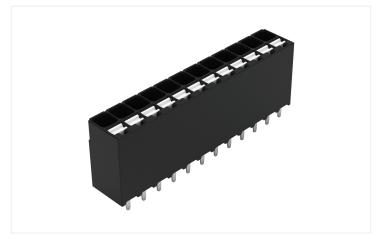
THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 3.5 mm; 12-pole; Push-in CAGE CLAMP®; 1,50 mm²; black







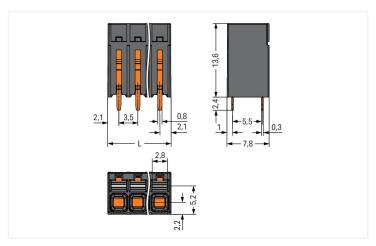


Color: ■ black



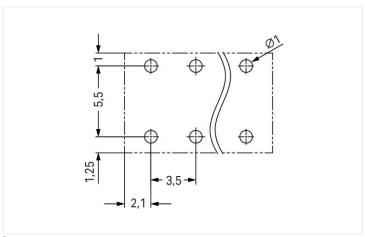




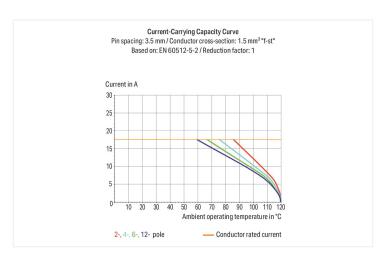


Dimensions in mm L = (pole no. – 1) x pin spacing + 4.2 mm









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- Ideal for compact device connection, panel feedthrough and tight spaces
- Push-in CAGE CLAMP® termination of solid and ferruled fine-stranded conductors
- SMD and THR variants available
- Push-button moves in direction of conductor connection
- Conductor connection and mating direction parallel or perpendicular to the PCB
- Optionally available with in-line or staggered pins (3.5 and 5 mm pin spacing)

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Note

Application notes: Suitable for lead-free, reflow-soldering profiles per DIN EN 61760-1 and IEC 60068-2-58 up to max. 260 °C peak temperature. Due to application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.



Electrical data			
Ratings per	IE	C/EN 60664	-1
Overvoltage category	III	III	II
Pollution degree	3	2	2
Nominal voltage	160 V	160 V	320 V
Rated surge voltage	2.5 kV	2.5 kV	2.5 kV
Rated current	17.5 A	17.5 A	17.5 A

Approvals per		UL 1059	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	10 A

Approvals per		CSA	
Use group	В	С	D
Rated voltage	300 V	-	300 V
Rated current	14 A	-	14 A

tion data				
ection points	12		Connection 1	
I number of potentials	12		Connection technology	Push-in CAGE CLAMP®
ber of connection types	1		Actuation type	Push-button
mber of levels	1		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 mm²
			Strip length	8 9 mm / 0.31 0.35 inches
			Conductor connection direction to PCB	90°
			Pole number	12

Physical data	
Pin spacing	3.5 mm / 0.138 inches
Width	42.7 mm / 1.681 inches
Height	16 mm / 0.63 inches
Height from the surface	13.6 mm / 0.535 inches
Depth	7.8 mm / 0.307 inches
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 (in-line)
Number of solder pins per potential	2

Data Sheet | Item Number: 2086-1112 https://www.wago.com/2086-1112



Information on material specifications can be found here
black
Polyphthalamide (PPA GF)
V0
Chrome-nickel spring steel (CrNi)
Electrolytic copper (E _{Cu})
Tin
0.122 MJ
5.9 g
1

Environmental requirements	
Limit temperature range	-60 +105 °C
Processing temperature	-35 +60 °C
Continuous operating temperature	-60 +105 °C

Commercial data	
ETIM 8.0	EC002643
ETIM 7.0	EC002643
PU (SPU)	72 pcs
Country of origin	СН
GTIN	4066966141511
Customs tariff number	85369010000

Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals







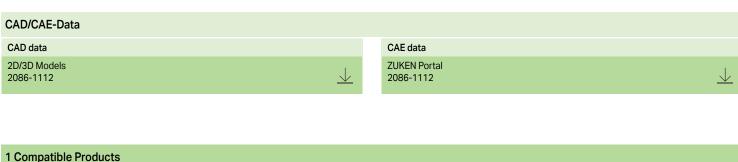
Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 60947-7-4	NL-74022
CSA CSA Group	C22.2	80060692
KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-119449
UL Underwriters Laboratories Inc.	UL 1059	E45172

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Documentation Additional Information Technical Section 03.04.2019 pdf 2027.26 KB pdf 535.32 KB





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1.1.1.1 Ferrule

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

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

<u>Item No.: 216-104</u>

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

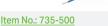
1.1.2 Test and measurement

1.1.2.1 Testing accessories



<u>Item No.: 859-500</u>

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 10 mm uninsulated; Test lead for soldering up to $0.5 \, \text{mm}^2$



WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to $0.5 \,\mathrm{mm^2}$

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

Installation Notes

Conductor termination



Inserting solid conductor via push-in termination.

Conductor termination



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

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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.

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$