

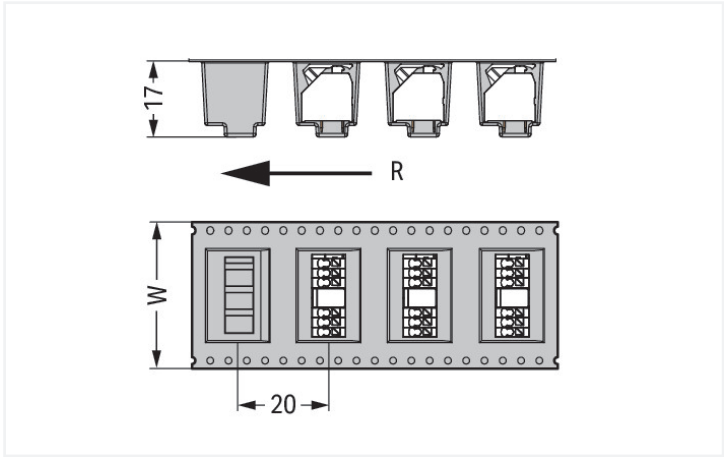
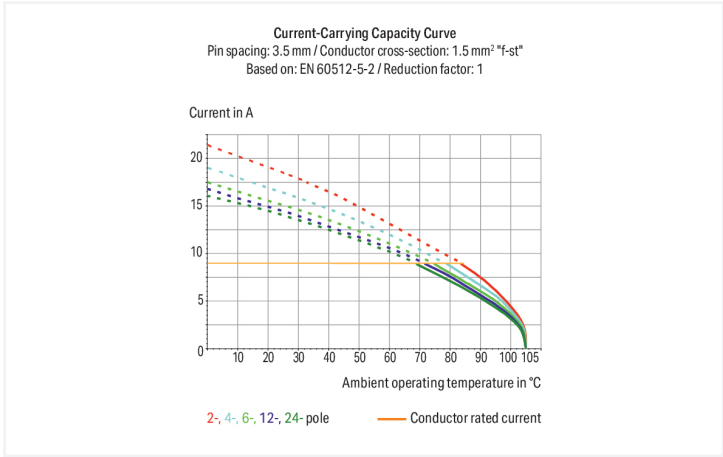


Color: ■ black

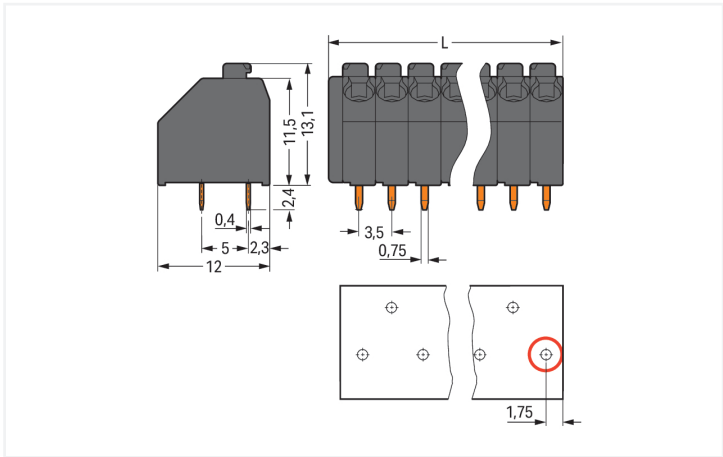
Similar to illustration



Similar to illustration



Dimensions in mm
W = tape width R = feed direction



Dimensions in mm
L = (pole no. x pin spacing) + 1.5 mmFirst solder pin, front right (red circle)



PCB terminal block, 250 Series, black

Our PCB terminal block (item number 250-203/353-604/997-404) makes connections quick and easy. You can rely on tried and tested safety with these PCB terminal blocks, perfect for a wide range of applications when designing your devices. Strip lengths must be between 8.5 and 9.5 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® technology provides a universal connection solution for any type of conductor. It allows both solid and fine-stranded conductors with ferrules to be inserted directly into the clamping point without the need for tools. The dimensions are (12 x 15.5 x 12) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.2 mm² to 1.5 mm². Tin is used for coating the contact surfaces. This PCB terminal block is operated with a push-button. THR is used to assemble the PCB terminal block. Insert the conductor into the board at a 45° angle..

Notes	
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.
Variants:	Other pole numbers Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/ .

Electrical data				
Ratings per		IEC/EN 60664-1		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		200 V	320 V	320 V
Rated impulse withstand voltage		4 kV	4 kV	4 kV
Rated current		8 A	8 A	8 A
Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		8 A	-	5 A
Approvals per		CSA		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		10 A	-	10 A

Connection Data																				
Clamping units	3	Connection 1 <table><tr><td>Connection technology</td><td>Push-in CAGE CLAMP®</td></tr><tr><td>Actuation type</td><td>Push-button</td></tr><tr><td>Solid conductor</td><td>0.2 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor</td><td>0.2 ... 1.5 mm² / 24 ... 16 AWG</td></tr><tr><td>Fine-stranded conductor; with insulated fer- rule</td><td>0.25 ... 1 mm²</td></tr><tr><td>Fine-stranded conductor; with uninsulated ferrule</td><td>0.25 ... 1 mm²</td></tr><tr><td>Strip length</td><td>8.5 ... 9.5 mm / 0.33 ... 0.37 inches</td></tr><tr><td>Conductor connection direction to PCB</td><td>45 °</td></tr><tr><td>Pole number</td><td>3</td></tr></table>	Connection technology	Push-in CAGE CLAMP®	Actuation type	Push-button	Solid conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG	Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG	Fine-stranded conductor; with insulated fer- rule	0.25 ... 1 mm²	Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1 mm²	Strip length	8.5 ... 9.5 mm / 0.33 ... 0.37 inches	Conductor connection direction to PCB	45 °	Pole number	3
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Fine-stranded conductor; with uninsulated ferrule	0.25 ... 1 mm²																			
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Conductor connection direction to PCB	45 °																			
Pole number	3																			
Total number of potentials	3																			
Number of connection types	1																			
Number of levels	1																			



Physical data		
Pin spacing		3.5 mm / 0.138 inches
Width		12 mm / 0.472 inches
Height		15.5 mm / 0.61 inches
Height from the surface		13.1 mm / 0.516 inches
Depth		12 mm / 0.472 inches
Solder pin length		2.4 mm
Solder pin dimensions		0.4 x 0.75 mm
Reel diameter of tape-and-reel packaging		330 mm
Tape width		24 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 specifications can be found here
Color		black
Material group		IIIa
Insulation material (main housing)		Polyamide (PA46)
Flammability class per UL94		V2
Clamping spring material		Copper alloy
Contact Plating		Tin
Weight		1.6 g
MSL per J-STD 020D		1

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

Commercial data		
PU (SPU)		160 pcs
Packaging type		Blister foil
Country of origin		DE
GTIN		4045454916282
Customs tariff number		85369010000

Product Classification		
UNSPSC		39121409
eCl@ss 10.0		27-44-04-01
eCl@ss 9.0		27-44-04-01
ETIM 9.0		EC002643
ETIM 10.0		EC002643
ECCN		NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
DEKRA DEKRA Certification B.V.	EN 60947-7-4	71-141963
UR Underwriters Laboratories Inc.	UL 1059	E 45172

Downloads

Environmental Product Compliance

Compliance Search

Documentation

Additional Information			
Technical Section	03.04.2019	pdf 2027.26 KB	
		pdf 535.32 KB	

CAD/CAE-Data

CAD data

PCB Design

1 Compatible Products

1.1 Optional Accessories

1.1.1 Marking

1.1.1.1 Marking strip



Item No.: 210-332/350-202
Marking strips; as a DIN A4 sheet; MARKED; 1-16 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/350-204
Marking strips; as a DIN A4 sheet; MARKED; 17-32 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-332/350-206
Marking strips; as a DIN A4 sheet; MARKED; 33-48 (240x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white

1.1.2 Test and measurement

1.1.2.1 Testing accessories



Item No.: 735-500
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

1.1.3 Tool

1.1.3.1 Operating tool



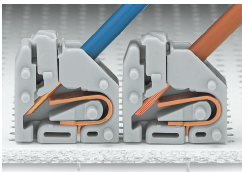
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



Item No.: 210-657
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured

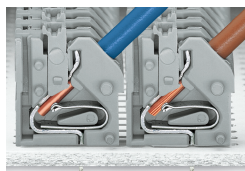
Installation Notes

Conductor termination



Inserting solid conductors via push-in termination.
Inserting fine-stranded conductors via push-buttons, 250 Series – 3.5 mm pin spacing.

Conductor termination

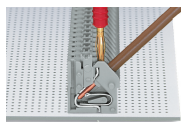


Space-saving wiring, 250 Series – 5 mm pin spacing.

Testing

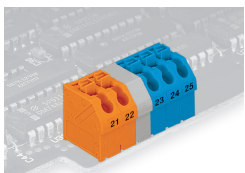


Testing with 11 mm Ø test pin, on the conductor, 250 Series – 2.5 ... 3.5 mm pin spacing.

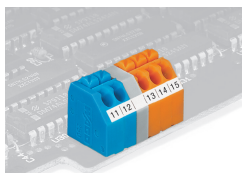


Testing with 2 mm Ø test plug, touch contact, 250 Series – 5 mm pin spacing.

Marking



Labeling via self-adhesive strips or direct marking. Mixed-color terminal strips (with or without spacer) are available upon request.



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