

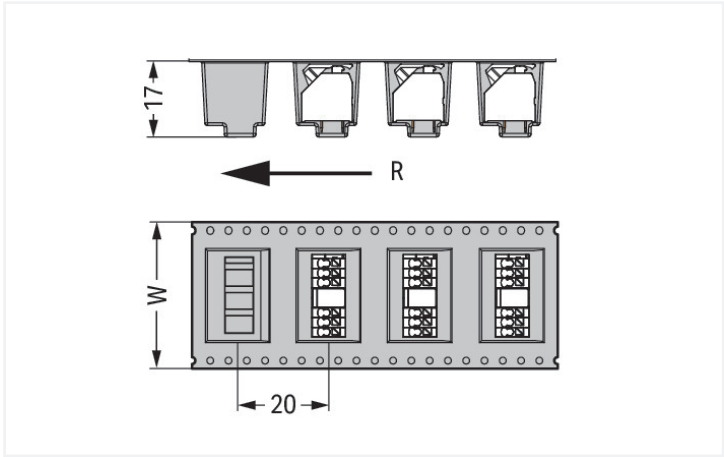
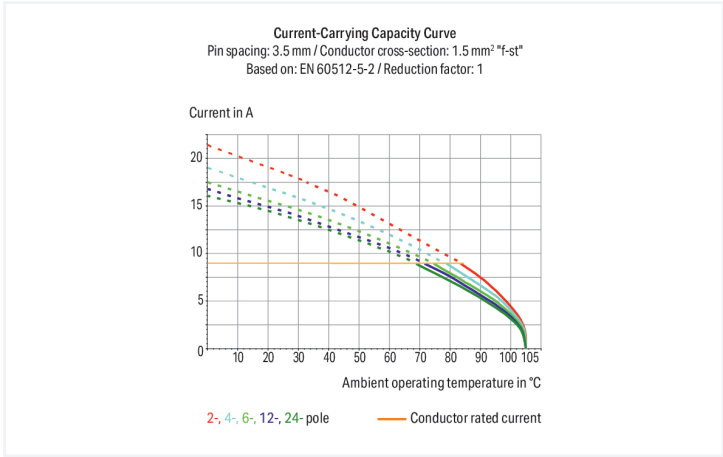
Data Sheet | Item Number: 250-207/353-604/997-406
THR PCB terminal block; push-button; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; Push-in
CAGE CLAMP®; in tape-and-reel packaging; black
<https://www.wago.com/250-207/353-604/997-406>



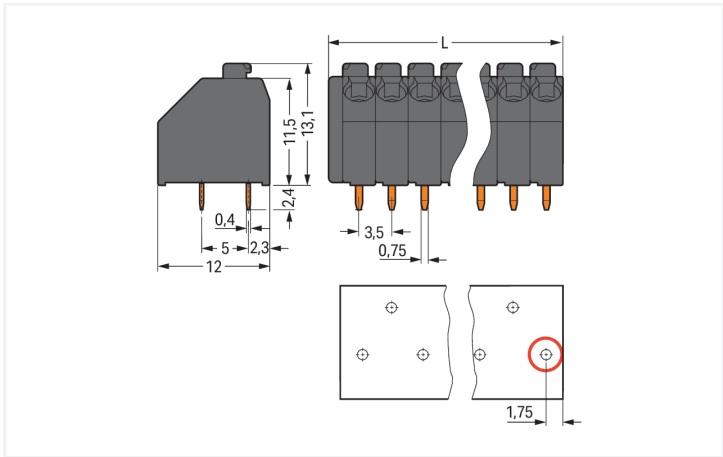
Color: ■ black

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, 45 °conductor entry to board

Our PCB terminal block (item number 250-207/353-604/997-406) makes connecting wires quick and easy. You can rely on proven safety with these PCB terminal blocks, perfect for a wide variety 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 incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: both solid and fine-stranded conductors with ferrules can be directly inserted without the need for tools or any preparation, such as crimping the ferrule. Dimensions: (26 x 15.5 x 12) mm (width x height x depth). Depending on the type of conductor, this PCB terminal block is ideal for conductor cross sections ranging from 0.2 mm² to 1.5 mm². The contact surface is coated with tin. This PCB terminal block is operated with a push-button. The PCB terminal block is designed for THR soldering. The conductor is designed to be inserted at an angle of 45°..

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		Connection 1	
Clamping units	7	Connection technology	Push-in CAGE CLAMP®
Total number of potentials	7	Actuation type	Push-button
Number of connection types	1	Solid conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
Number of levels	1	Fine-stranded conductor	0.2 ... 1.5 mm² / 24 ... 16 AWG
		Fine-stranded conductor; with insulated ferrule	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	7



Physical data		
Pin spacing	3.5 mm / 0.138 inches	
Width	26 mm / 1.024 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	44 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	
Fire load	0.081 MJ	
Weight	3.5 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	4045454916336	
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



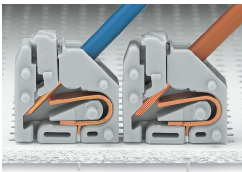
Item No.: 210-720
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured



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

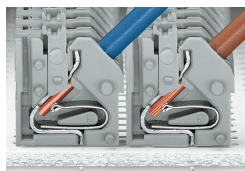
Installation Notes

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

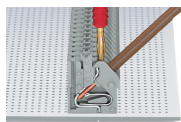


Space-saving wiring, 250 Series – 5 mm pin spacing.

Testing

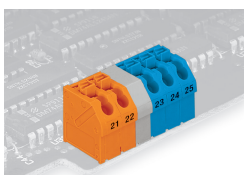


Testing with 11 mm Ø test pin, on the conductor, 250 Series – 2.5 ... 3.5 mm pin spacing.

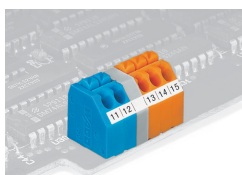


Testing with 2 mm Ø test plug, touch contact, 250 Series – 5 mm pin spacing.

Marking



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



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