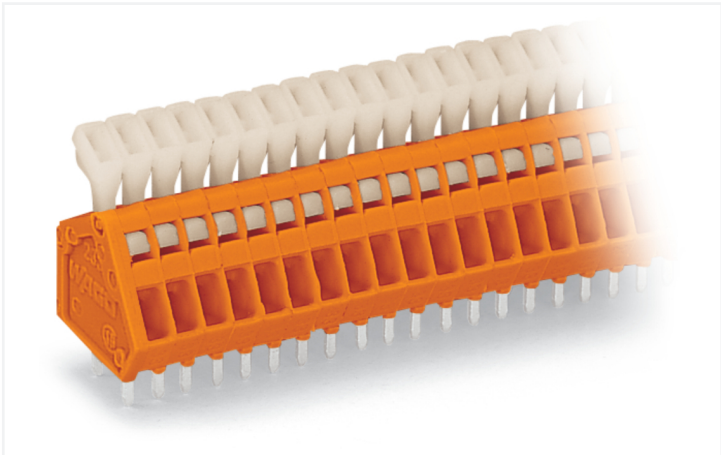
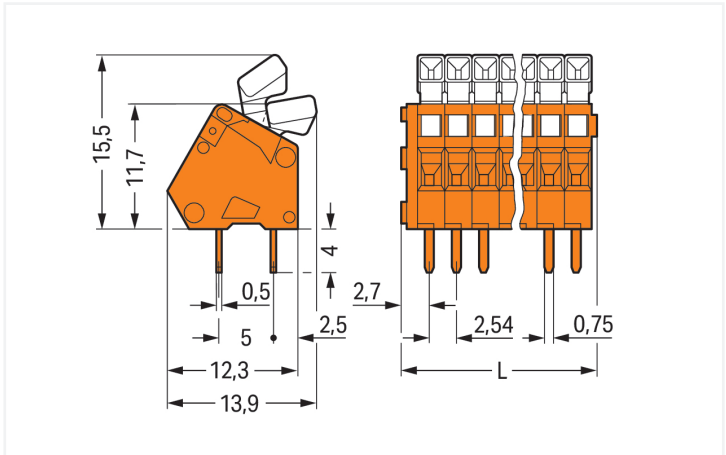


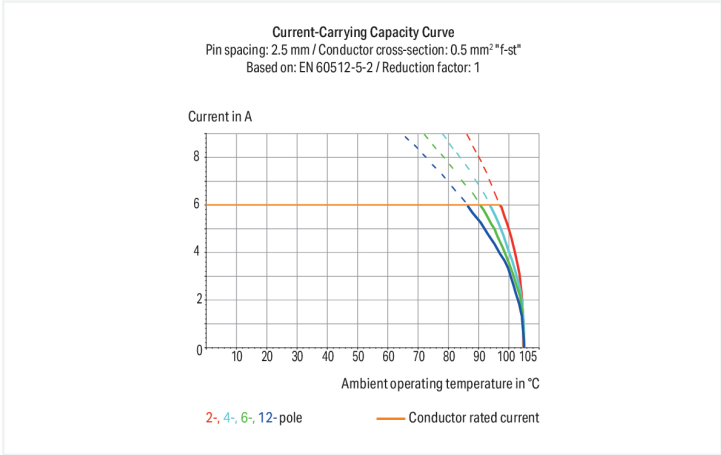


Color: ■ orange

Similar to illustration



Dimensions in mm
L = (pole no. x pin spacing) + 2.3 mm



PCB terminal block, 233 Series, push-button

This PCB terminal block (item number 233-536) is designed to connect conductors quickly and easily. It offers the flexibility needed for different mounting types. Our PCB terminal block is rated for 160 V and is designed for use with a rated current of up to 6 A. Ensure that the strip lengths are between 5 mm and 6 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a convenient and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. The item's dimensions are 93.74 x 19.5 x 13.9 mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 0.5 mm². Up to thirty-six potentials / thirty-six poles can be connected to this terminal strip using thirty-six clamping points on one level. The clamping spring is made of chrome-nickel spring steel (CrNi), the contacts are made of electrolytic copper (ECu), and the orange housing is made of polyamide (PA66) for insulation. Tin is used for coating the contact surfaces. A push-button is used to operate this PCB terminal block. THT is used to assemble the PCB terminal block. The conductor is designed to be inserted into the board at an angle of 30°. The solder pins, which are 0.5 x 0.75 mm in cross-section and 4 mm long, are arranged over the entire terminal strip (in-line). There are two solder pins per potential.

Notes	
Variants:	Other pole numbers Other colors Mixed-color PCB connector strips 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	63 V	160 V	320 V	
Rated impulse withstand voltage	2.5 kV	2.5 kV	2.5 kV	
Rated current	6 A	6 A	6 A	
Approvals per		CSA		
Use group	B	C	D	
Rated voltage	150 V	-	-	
Rated current	4 A	-	-	

Approvals per				UL 1059		
Use group		B		C	D	
Rated voltage		150 V		-	-	
Rated current		4 A		-	-	

Connection data								
Clamping units		36		Connection 1				
Total number of potentials		36		Connection technology			CAGE CLAMP®	
Number of connection types		1		Actuation type			Push-button	
Number of levels		1		Solid conductor			0.08 ... 0.5 mm² / 28 ... 20 AWG	
				Fine-stranded conductor			0.08 ... 0.5 mm² / 28 ... 20 AWG	
				Fine-stranded conductor; with insulated ferrule			0.25 mm²	
				Fine-stranded conductor; with uninsulated ferrule			0.25 mm²	
				Note (conductor cross-section)			Terminating 0.75 mm²/18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size.	
				Strip length			5 ... 6 mm / 0.2 ... 0.24 inches	
				Conductor connection direction to PCB			30 °	
				Pole number			36	
Physical data								
Pin spacing		2.54 mm / 0.1 inches						
Width		93.74 mm / 3.691 inches						
Height		19.5 mm / 0.768 inches						
Height from the surface		15.5 mm / 0.61 inches						
Depth		13.9 mm / 0.547 inches						
Solder pin length		4 mm						
Solder pin dimensions		0.5 x 0.75 mm						
Drilled hole diameter with tolerance		1.1 ^(+0.1) mm						
PCB contact								
PCB contact		THT						
Solder pin arrangement		over the entire terminal strip (in-line)						
Number of solder pins per potential		2						



Material data		
Note (material data)	Information on material specifications can be found here	
Color	orange	
Material group	I	
Insulation material (main housing)	Polyamide (PA66)	
Flammability class per UL94	V0	
Clamping spring material	Chrome-nickel spring steel (CrNi)	
Contact material	Electrolytic copper (E _{Cu})	
Contact Plating	Tin	
Fire load	0.328 MJ	
Weight	14.4 g	

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

Commercial data		
Product Group	4 (Printed Circuit Connectors)	
PU (SPU)	40 (10) pcs	
Packaging type	Box	
Country of origin	CH	
GTIN	4045454051464	
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 8.0	EC002643	
ECCN	NO US CLASSIFICATION	

Environmental Product Compliance		
RoHS Compliance Status	Compliant, No Exemption	

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
			Approval	Standard	Certificate Name
Approval	Standard	Certificate Name	EU-Declaration of Confor-	-	-
CCA	EN 60998	NTR NL 6946	mity		
DEKRA Certification B.V.			WAGO GmbH & Co. KG		
CCA	EN 60998	2153951.01	UK-Declaration of Confor-	-	-
DEKRA Certification B.V.			mity		
CCA	EN 60947-7-4	NTR NL 7786	WAGO GmbH & Co. KG		
DEKRA Certification B.V.					
CSA	C22.2	1465035			
DEKRA Certification B.V.					
KEMA/KEUR	EN 60947-7-4	71-111040			
DEKRA Certification B.V.					
UL	UL 1059	E45172			
UL International Germany GmbH					



Approvals for marine applications

		
Approval	Standard	Certificate Name
ABS American Bureau of Ship- ping	-	24-0095975-PDA
BV Bureau Veritas S.A.	IEC 60998	11915/E0 BV
DNV DNV GL SE	-	TAE000016Z

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 233-536


Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB


CAD/CAE-Data

CAD data
2D/3D Models 233-536


CAE data
EPLAN Data Portal 233-536

ZUKEN Portal 233-536


PCB Design
Symbol and Footprint via SamacSys 233-536

Symbol and Footprint via Ultra Librarian 233-536




1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



Item No.: 216-301

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-321

Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item No.: 216-151

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated



Item No.: 216-131

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

1.1.2 Marking

1.1.2.1 Marking strip



Item No.: 210-331/250-202

Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/254-202

Marking strips; as a DIN A4 sheet; MARKED; 1-16 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/250-207

Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/254-207

Marking strips; as a DIN A4 sheet; MARKED; 1-48 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/250-204

Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/254-204

Marking strips; as a DIN A4 sheet; MARKED; 17-32 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/250-206

Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white



Item No.: 210-331/254-206

Marking strips; as a DIN A4 sheet; MARKED; 33-48 (400x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white

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

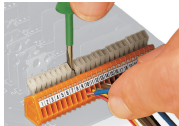


Item No.: 210-648

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

Installation Notes

Conductor termination



Inserting/removing a conductor.



Nominal cross-section: 0.5 mm² (20 AWG), 0.75 mm² (18 AWG) only in every other position

Marking



Labeling via self-adhesive marking strips
or factory direct marking.