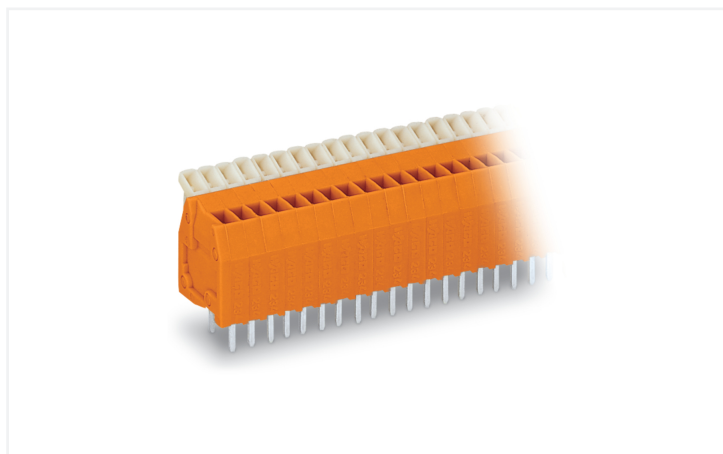


Data Sheet | Item Number: 234-508

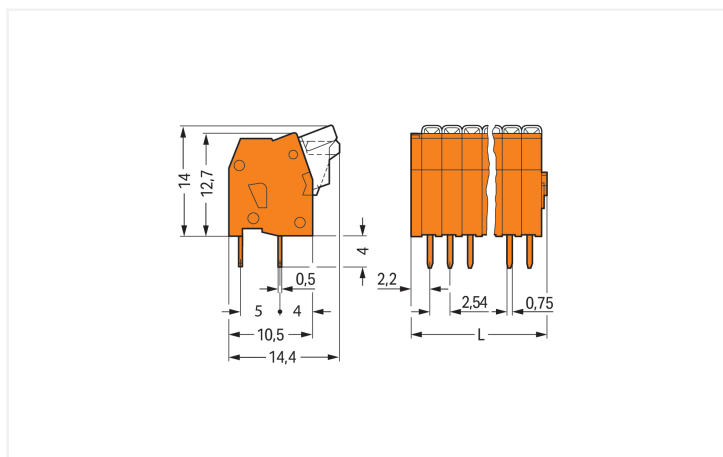
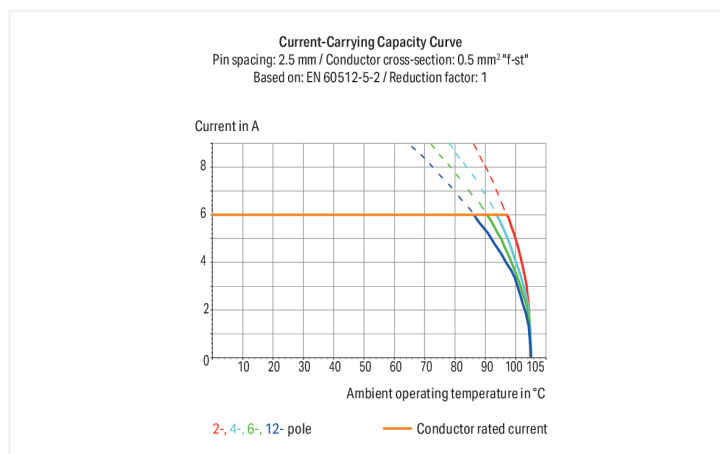
PCB terminal block; push-button; 0.5 mm²; Pin spacing 2.54 mm; 8-pole; CAGE CLAMP®; orange

<https://www.wago.com/234-508>



Color: ■ orange

Similar to illustration



Dimensions in mm

$L = (\text{pole no.} \times \text{pin spacing}) + 2.2 \text{ mm}$

PCB terminal block, 234 Series, orange

Our PCB terminal block (item number 234-508) makes connecting wires quick and easy. It is ideal for custom installations with different mounting types. Strip lengths must be between 5 and 6 mm when connecting conductors to this PCB terminal block. Featuring one conductor terminal along with CAGE CLAMP®, this connector is highly versatile. Our CAGE CLAMP® connection provides a reliable 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 (22.52 x 18 x 14.4) 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. The contact surface is coated with tin. This PCB terminal block is operated with a push-button. THT is used to solder the PCB terminal block. Insert the conductor at a 90° angle..



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

Connection Data		
Clamping units	8	
Total number of potentials	8	
Number of connection types	1	
Number of levels	1	
Connection 1		
Connection technology		CAGE CLAMP®
Actuation type		Push-button
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 ferule		0.25 mm²
Fine-stranded conductor; with uninsulated ferrule		0.25 mm²
Strip length		5 ... 6 mm / 0.2 ... 0.24 inches
Conductor connection direction to PCB		90 °
Pole number		8

Physical data	
Pin spacing	2.54 mm / 0.1 inches
Width	22.52 mm / 0.887 inches
Height	18 mm / 0.709 inches
Height from the surface	14 mm / 0.551 inches
Depth	14.4 mm / 0.567 inches
Solder pin length	4 mm
Solder pin dimensions	0.5 x 0.75 mm
Drilled hole diameter	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		0.052 MJ
Weight		4.1 g

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

Commercial data		
Product Group		4 (Printed Circuit Connectors)
PU (SPU)		220 (55) pcs
Packaging type		Box
Country of origin		CH
GTIN		4044918652162
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			General approvals		
			CSA	C22.2	1465035
CCA DEKRA Certification B.V.			DEKRA Certification B.V.		
CCA			KEMA/KEUR	EN 60947-7-4	71-111042
CCA DEKRA Certification B.V.			DEKRA Certification B.V.		
CCA			UL	UL 1059	E45172
CCA DEKRA Certification B.V.			UL International Germany GmbH		
Approval	Standard	Certificate Name			
CCA DEKRA Certification B.V.	EN 60998	NTR NL 6946			
CCA DEKRA Certification B.V.	EN 60998	2153951.01			
CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL 7787			



Declarations of conformity and manufacturer's declarations

Approval	Standard	Certificate Name
EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

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 234-508


Documentation

Additional Information
Technical Section
03.04.2019
pdf 2027.26 KB


CAD/CAE-Data

CAD data
2D/3D Models 234-508


CAE data
EPLAN Data Portal 234-508

ZUKEN Portal 234-508


PCB Design
Symbol and Footprint via SamacSys 234-508

Symbol and Footprint via Ultra Librarian 234-508


1 Compatible Products

1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule



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; silver-colored

1.1.2 Marking

1.1.2.1 Marking strip



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.: 210-331/254-207
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.: 210-331/254-204
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.: 210-331/254-206
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.

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

Current addresses can be found at: www.wago.com