

Data sheet | Item number: 250-1402/000-012

PCB terminal block; push-button; 0.5 mm²; Pin spacing 2.54 mm; 2-pole;

Push-in CAGE CLAMP®; 0,50 mm²; orange



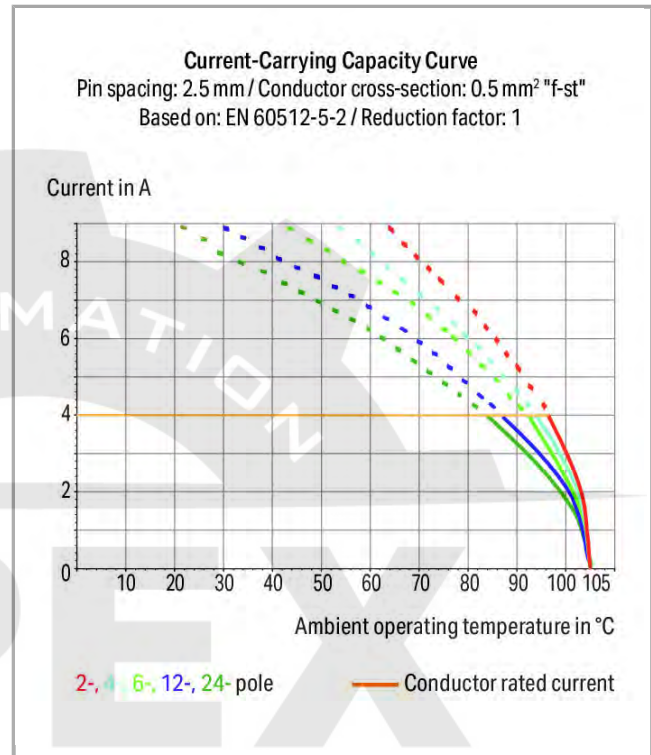
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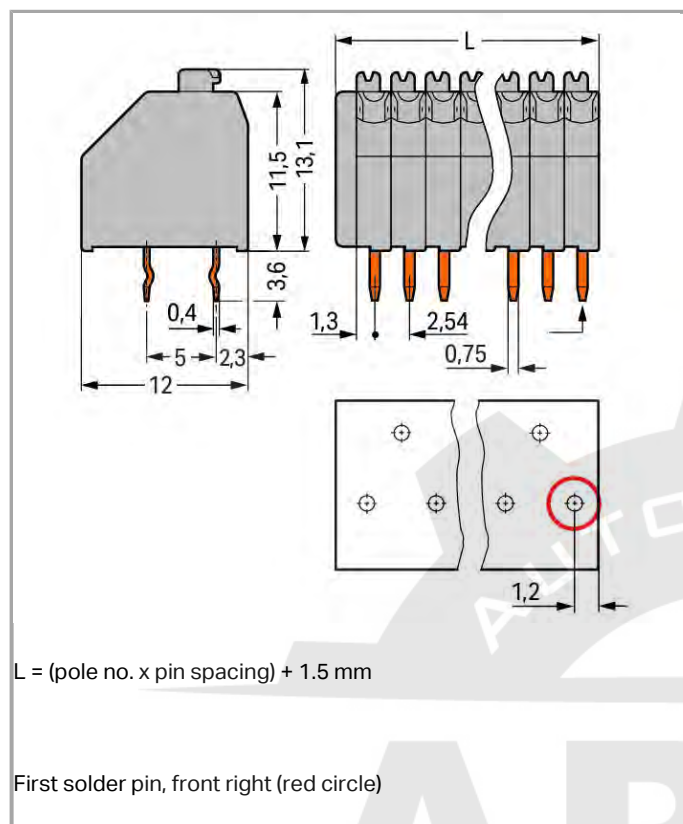


RoHS
Compliant ✓

BOMcheck.net

Color: 





Item description

- Compact terminal strips with push-buttons
- Push-in termination for solid conductors
- Termination/removal of fine-stranded conductors via push-buttons
- 45° conductor entry angle provides easy, space-saving wiring
- Custom color combinations
- Terminal strips also available with spacers upon request

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	160 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	4 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	5 A
Rated voltage UL (Use Group D)	300 V

Approvals per CSA

Rated voltage CSA (Use Group B)	300 V
Rated current CSA (Use Group B)	5 A
Rated voltage CSA (Use Group D)	300 V
Rated current CSA (Use Group D)	5 A

Connection data

Connection technology	Push-in CAGE CLAMP®		
Actuation type	Push-button		
Solid conductor	0.14	0.5 mm² / 24	20 AWG
Fine-stranded conductor	0.2	0.5 mm² / 24	20 AWG
Conductor diameter	0.4	0.8 mm	
Strip length	8.5	9.5 mm / 0.33	0.37 inch
Conductor entry angle to the PCB	45°		
Total number of connection points	2		
Total number of potentials	2		
Number of connection types	1		
Number of levels	1		
No. of poles	2		

Geometrical Data

Pin spacing	2.54 mm / 0.1 inch
Width	6.58 mm / 0.259 inch
Height	16.7 mm / 0.657 inch
Height from the surface	13.1 mm / 0.516 inch
Depth	12 mm / 0.472 inch
Solder pin length	3.6 mm
Solder pin dimensions	0.4 x 0.75 mm
Drilled hole diameter (tolerance)	1 ^(- ... +0.1) mm

PCB contact

PCB contact	THT
Solder pin arrangement	over the entire terminal strip, staggered
Number of solder pins per potential	1

Material Data

Color	orange
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Fire load	0.02 MJ
Weight	0.887 g

Environmental Requirements

Limit temperature range	-60 +105 °C
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Commercial data

Product Group	4 (Printed Circuit)
Country of origin	CH
GTIN	4044918643177
Customs Tariff No.	85369010000

Approvals / Certificates

Radio-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	1132097

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	1132097

Other Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 sec. 6



UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 sec. 6

Compatible products

check

	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire	735-500
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Marking accessories

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	210-331
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	210-331
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	210-331
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	210-331

tools

	Item no.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-647
	Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	210-719

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download
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CAD/CAE - Smart Data

CAD data

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Subject to changes.