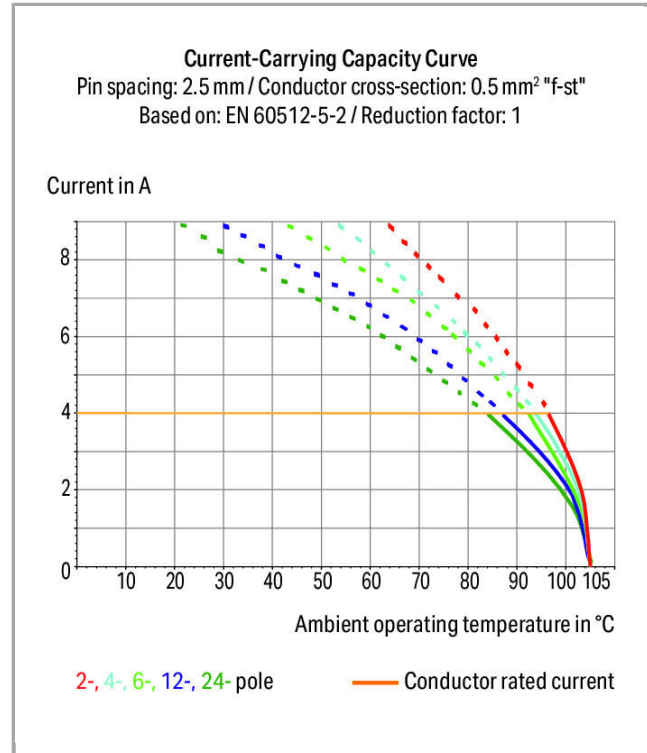


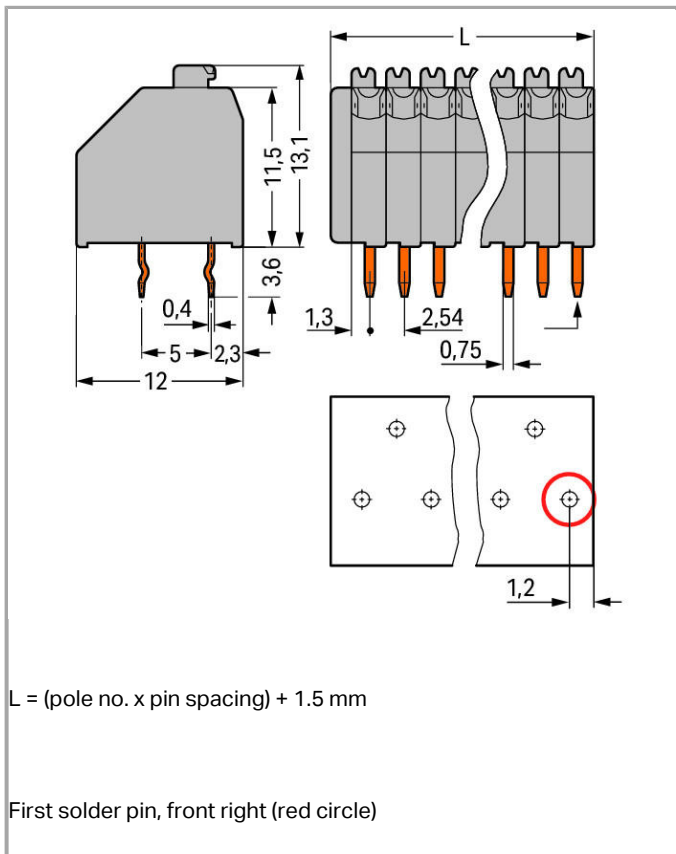
Data sheet | Item number: 250-1417

PCB terminal block; Push-button; 0.5 mm<sup>2</sup>; Pin spacing 2.54 mm; 17-pole;  
Push-in CAGE CLAMP®



250-1417





### 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
Rated current UL (Use Group D)	5 A

### 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 mm <sup>2</sup> / 24 ... 20 AWG
Fine-stranded conductor	0.2 ... 0.5 mm <sup>2</sup> / 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°
No. of poles	17
Total number of connection points	17
Total number of potentials	17
Number of connection types	1
Number of levels	1

### Geometrical Data

Pin spacing	2.54 mm / 0.1 inch
Width	44.68 mm / 1.759 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 <sup>(- ... +0.1)</sup> mm

### PCB contact

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

### Material Data

Color	gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.125 MJ
Weight	6.096 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	4017332749886

### Approvals / Certificates

#### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7100
	CCA DEKRA Certification B.V.	EN 60998	NTR NL-7449
	CCA DEKRA Certification B.V.	EN 60998	2188127.01
	CSA DEKRA Certification B.V.	C22.2	1132097



CSA  
DEKRA Certification B.V.

C22.2

1132097



KEMA/KEUR  
DEKRA Certification B.V.

EN 60998

71-105258



KEMA/KEUR  
DEKRA Certification B.V.

EN 60947

2160584.18





VDE  
VDE Prüf- und Zertifizierungsinstitut



EN 60998

40028888

## Ship Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>ABS</b> American Bureau of Shipping	-	14- HG1241537- PDA
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE000016Z


## UL-Approvals


Logo	Approval	Additional Approval Text	Certificate name
	<b>UL</b> UL International Germany GmbH	UL 1059	E45172 sec. 6
	<b>UL</b> UL International Germany GmbH	UL 1059	E45172 sec. 6

## Compatible products

## tools

Item no.: 210-647

	Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short	210-647
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	<b>Item no.: 210-719</b> Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	210-719
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**Marking accessories**

<b>Item no.: 210-331/254-202</b> 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	<a href="#">/254-202</a>	210-331
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<b>Item no.: 210-331/254-204</b> 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	<a href="#">/254-204</a>	210-331
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<b>Item no.: 210-331/254-206</b> 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	<a href="#">/254-206</a>	210-331
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<b>Item no.: 210-331/254-207</b> 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	<a href="#">/254-207</a>	210-331
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**check**

	<b>Item no.: 735-500</b> Test pin; 1 mm Ø; with solder connection for test wire	735-500
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**Downloads****CAD/CAE - Smart Data****CAD data**

3D Download 250-1417	URL	Download
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**PCB libraries**

TARGET Library for WAGO PCB Terminal Blocks Compatible with TARGET PCB Design Software Version 17.x	1.1.0 Oct 6, 2014	zip 27.1 MB	Download
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DesignSpark Library for WAGO PCB Terminal Blocks Compatible with DesignSpark PCB Version 4.x or higher	2.1 Oct 6, 2014	zip 22.5 MB	Download
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EAGLE Library for WAGO PCB Terminal Blocks Compatible with EAGLE PCB Design Software Version 6.x or higher	2.1 Oct 6, 2014	zip 23.9 MB	Download
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Subject to changes.