

Data sheet | Item number: 218-510

PCB terminal block; Locking slides; 0.5 mm²; Pin spacing 2.54 mm; 10-pole;
CAGE CLAMP®



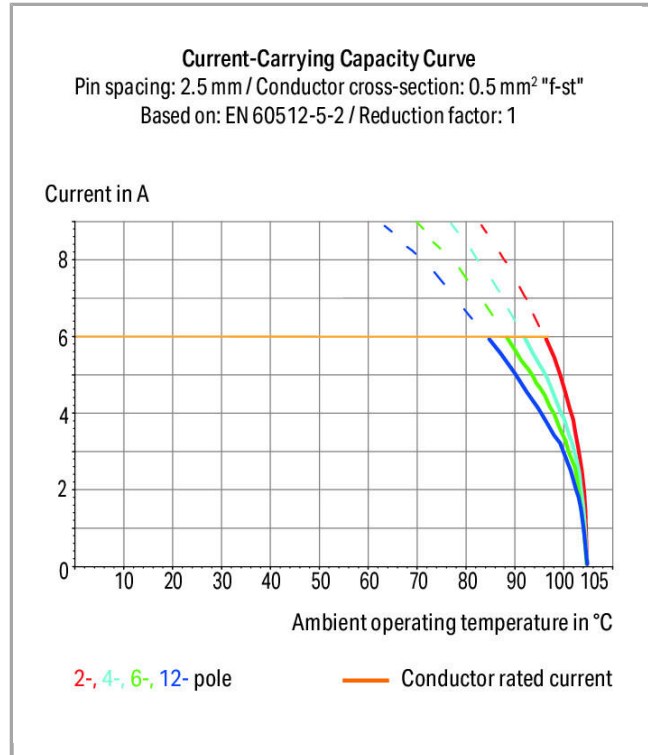
218-510

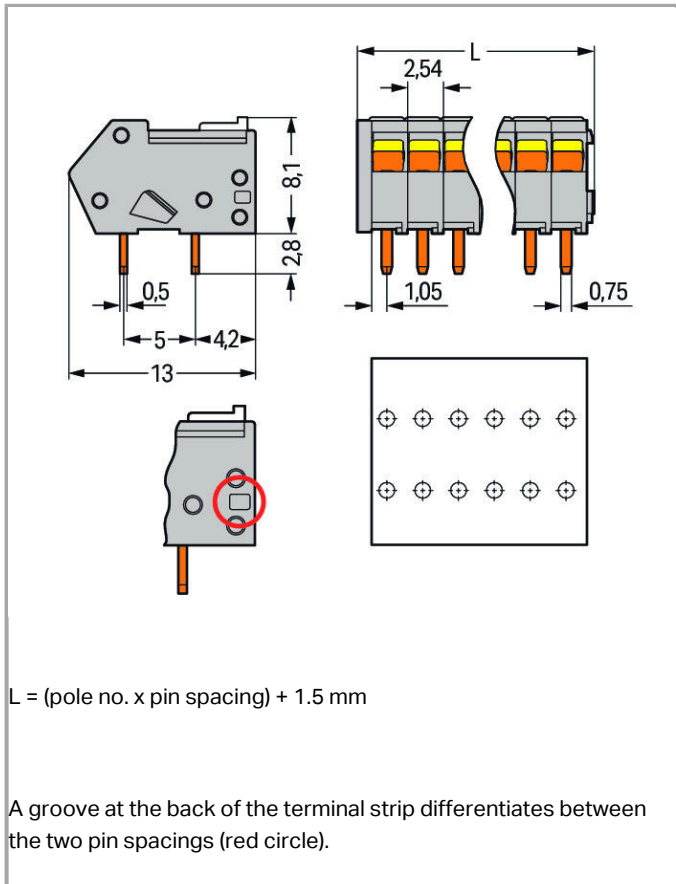


RoHS Compliant

[BOMcheck.net](https://www.bomcheck.net)

Color:





Item description

- Terminal strips are just 8.1mm high and feature an innovative, locking slide-actuated CAGE CLAMP®
- Several clamping units can be held open simultaneously
- Easy termination of stranded conductors in tight spaces (e.g., bus connectors)

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	80 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	6 A

Approvals per UL 1059

Rated voltage UL (Use Group B)	150 V
Rated current UL (Use Group B)	4 A

Approvals per CSA

Rated voltage CSA (Use Group B)	150 V
Rated current CSA (Use Group B)	4 A

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Locking slide
Solid conductor	0.08 ... 0.5 mm ² / 28 ... 20 AWG
Fine-stranded conductor	0.08 ... 0.5 mm ² / 28 ... 20 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 mm ²
Fine-stranded conductor with ferrule without plastic collar	0.25 mm ²
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Conductor entry angle to the PCB	40°
Note (conductor cross-section)	Terminating 0.75 mm ² /18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size.
No. of poles	10
Total number of connection points	10
Total number of potentials	10
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	2.54 mm / 0.1 inch
Width	26.9 mm / 1.059 inch
Height	10.9 mm / 0.429 inch
Height from the surface	8.1 mm / 0.319 inch
Depth	13 mm / 0.512 inch
Solder pin length	2.8 mm
Solder pin dimensions	0.5 x 0.75 mm
Drilled hole diameter (tolerance)	1.1 ^(- ... +0.1) mm

PCB contact

PCB contact	THT
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Solder pin arrangement	over the entire terminal strip, in line
Number of solder pins per potential	2

Material Data

Color	gray
Material group	I
Insulating material	Polyamide 66 (PA 66)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})
Contact plating	tin-plated
Fire load	0.043 MJ
Weight	3.3 g

Environmental Requirements





Limit temperature range	-60 ... +105 °C
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Commercial data


Product Group	4 (Printed Circuit)
Country of origin	PL
GTIN	4044918878487
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7267
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7076
	CSA DEKRA Certification B.V.	C22.2 No. 158	1565656
	ENEC DEKRA Certification B.V.	EN 60947	2160584.01

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL UL International Germany GmbH	UL 1059	E45172 Sec. 43

Compatible products



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	<i>/254-202</i>	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	<i>/254-204</i>	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	<i>/254-206</i>	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	<i>/254-207</i>	210-331

check

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

 Item no.: 210-648 Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled		210-648
 Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm		210-719

ferrule

 Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated		216-131
 Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated		216-151
Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated		216-301
Item no.: 216-321		



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

216-321

Downloads

Documentation

Additional Information

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3.6 MB	

CAD/CAE - Smart Data

CAD data

3D Download 218-510

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Subject to changes.
