

Data sheet | Item number: 218-502/000-604

THR PCB terminal block; Locking slides; 0.5 mm²; Pin spacing 2.54 mm; 2-pole; CAGE CLAMP®



218-502/000-604

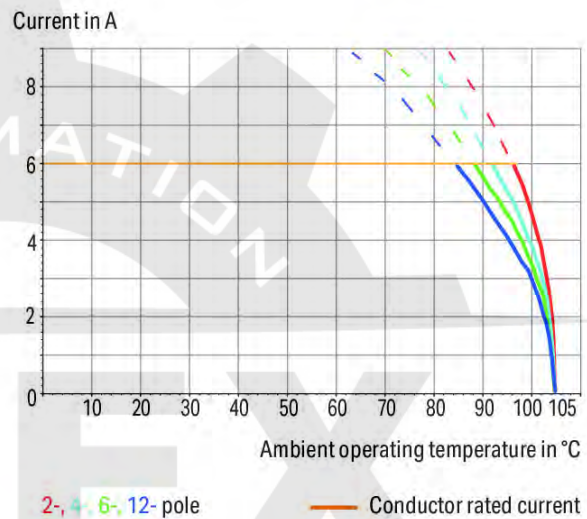


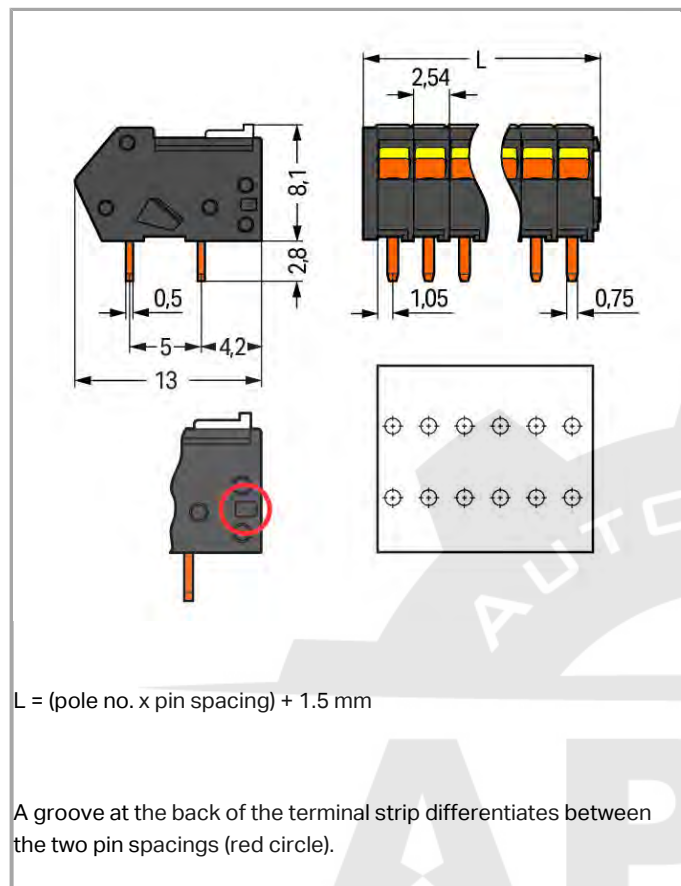
RoHS ☒ Compliant

BOMcheck.net

Color: ■

Current-Carrying Capacity Curve
Pin spacing: 2.5 mm / Conductor cross-section: 0.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 1





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)	32 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

Connection data

Connection technology	CAGE CLAMP®
Actuation type	Locking slide
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 ferrule with plastic collar	0.25 mm²
Fine-stranded conductor with ferrule without plastic collar	0.25 mm²
Strip length	5 ... 6 mm / 0.2 ... 0.24 inch
Conductor entry angle to the PCB	40°
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.
No. of poles	2
Total number of connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	2.54 mm / 0.1 inch
Width	6.58 mm / 0.259 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

PCB contact

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

Material Data

Color	black
Material group	III a
Insulating material	Polyamide 46 (PA 46)
Flammability class per UL94	V2
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E _{Cu})

Contact plating	tin-plated
Fire load	0.011 MJ
Weight	0.728 g

Environmental Requirements

Limit temperature range	-60 ... +115 °C
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Commercial data

Product Group	4 (Printed Circuit)
Country of origin	PL
GTIN	4045454341916
Customs Tariff No.	85369010000

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2 No. 158	1565656

Compatible products

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 mm ² / AWG 24; insulated; electro-tin plated		216-321
check			
	Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire		735-500
tools			

**Item no.: 210-648**

210-648

Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short; angled

**Item no.: 210-719**

210-719

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

Marking accessories**Item no.: 210-331/254-202**

210-331

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

/ 254-202

Item no.: 210-331/254-204

210-331

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

/ 254-204

Item no.: 210-331/254-206

210-331

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

/ 254-206

Item no.: 210-331/254-207

210-331

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

/ 254-207

Downloads**CAD/CAE - Smart Data****PCB libraries**

EAGLE Library for WAGO PCB Terminal Blocks

2.1

zip

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Compatible with EAGLE PCB Design Software Version 6.x or higher

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23.9 MB

DesignSpark Library for WAGO PCB Terminal Blocks

2.1

zip

Download

Compatible with DesignSpark PCB Version 4.x or higher

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22.5 MB

TARGET Library for WAGO PCB Terminal Blocks

1.1.0

zip

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Compatible with TARGET PCB Design Software Version 17.x

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27.1 MB

CAD data

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Subject to changes.