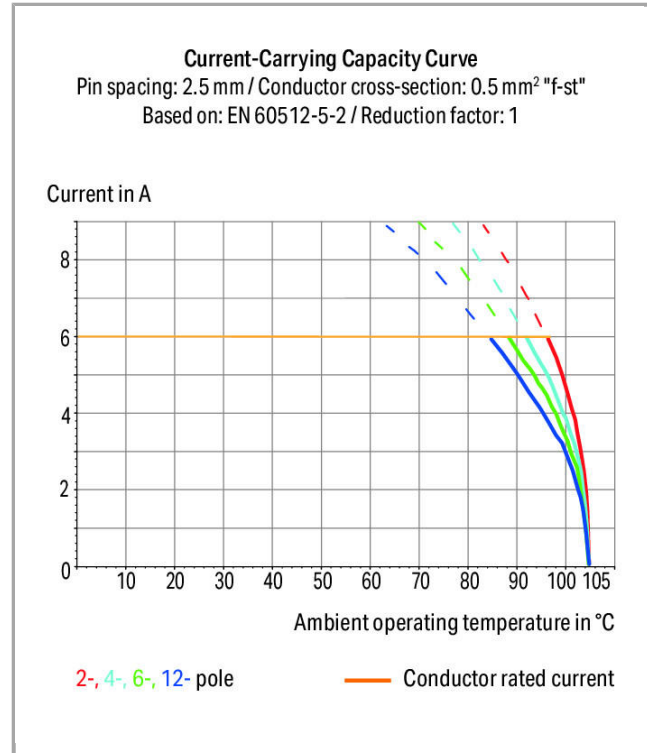


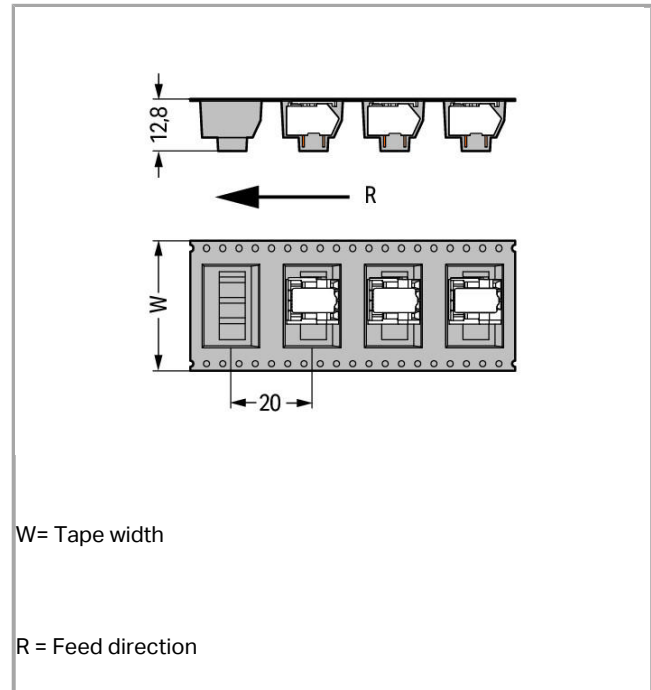
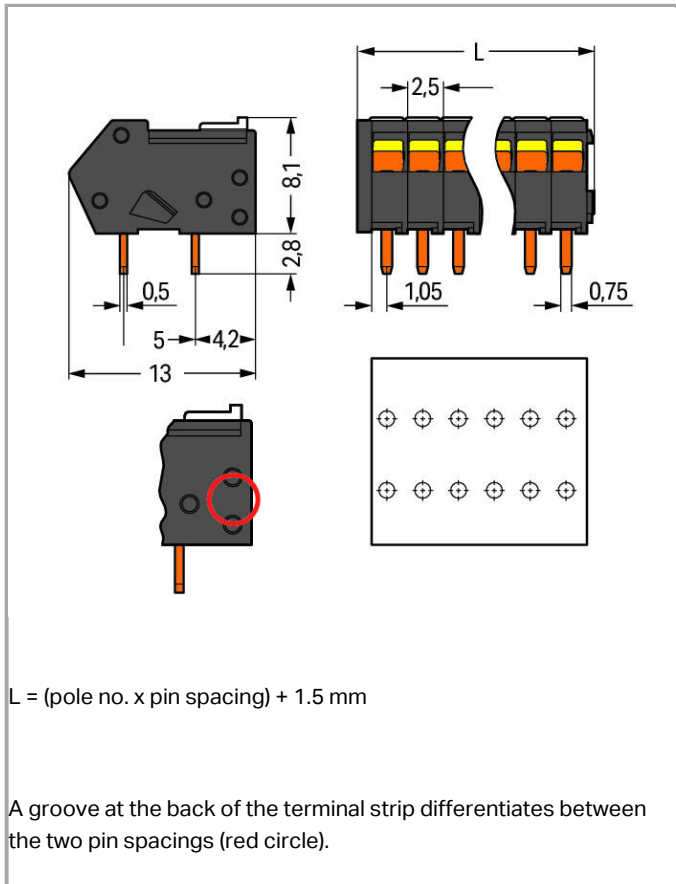
Data sheet | Item number: 218-102/000-604/997-403

THR PCB terminal block; Locking slides; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 2-pole; CAGE CLAMP®; in tape-and-reel packaging



218-102/000-604/997-403





## 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 mm <sup>2</sup> / 28 ... 20 AWG
Fine-stranded conductor	0.08 ... 0.5 mm <sup>2</sup> / 28 ... 20 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 mm <sup>2</sup>
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 <sup>2</sup> /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	2.5 mm / 0.098 inch
Width	6.5 mm / 0.256 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
Reel diameter of tape-and-reel packaging	330 mm
Tape width	16 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 <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0.013 MJ
Weight	0.724 g

### Environmental Requirements


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

Country of origin	CH
GTIN	4045454425647
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

#### tools

	Item no.: 210-647 Operating tool with partially insulated shaft; Blade (2.5 x 0.4) mm; short	210-647
	Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	210-719

#### 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.: 210-331/250-202 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	210-331 /250-202
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**Item no.: 210-331/250-204**  
 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 210-331  
/ 250-204

**Item no.: 210-331/250-206**  
 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 210-331  
/ 250-206

**Item no.: 210-331/250-207**  
 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 210-331  
/ 250-207

**ferrule**

 **Item no.: 216-131**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated 216-131

 **Item no.: 216-151**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated 216-151

**Item no.: 216-301**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated 216-301

**Item no.: 216-321**  
 Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated 216-321

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

DesignSpark Library for WAGO PCB Terminal Blocks	2.1	zip	Download
Compatible with DesignSpark PCB Version 4.x or higher	Oct 6, 2014	22.5 MB	

TARGET Library for WAGO PCB Terminal Blocks	1.1.0	zip	Download
Compatible with TARGET PCB Design Software Version 17.x	Oct 6, 2014	27.1 MB	

EAGLE Library for WAGO PCB Terminal Blocks	2.1	zip	Download
Compatible with EAGLE PCB Design Software Version 6.x or higher	Oct 6, 2014	23.9 MB	

Subject to changes.