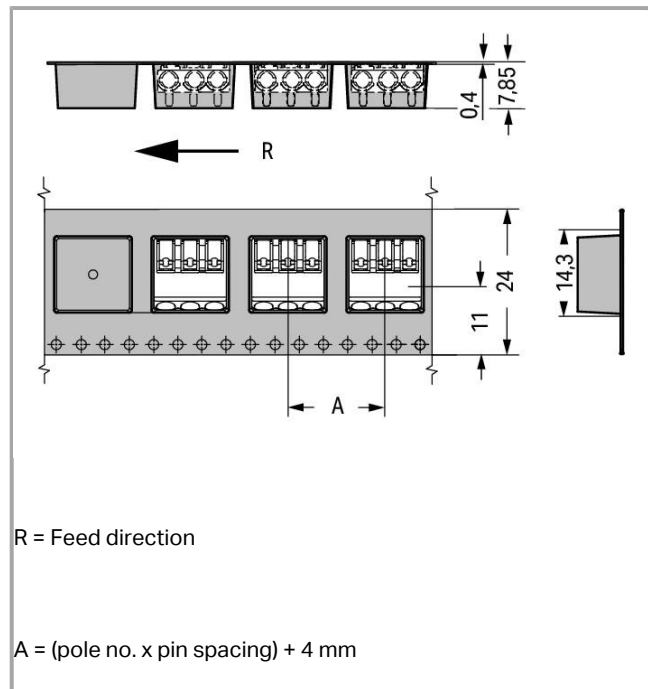
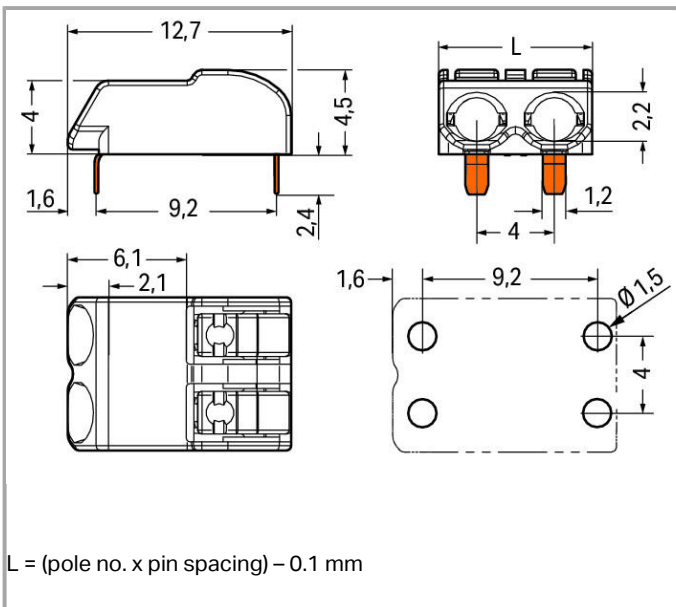
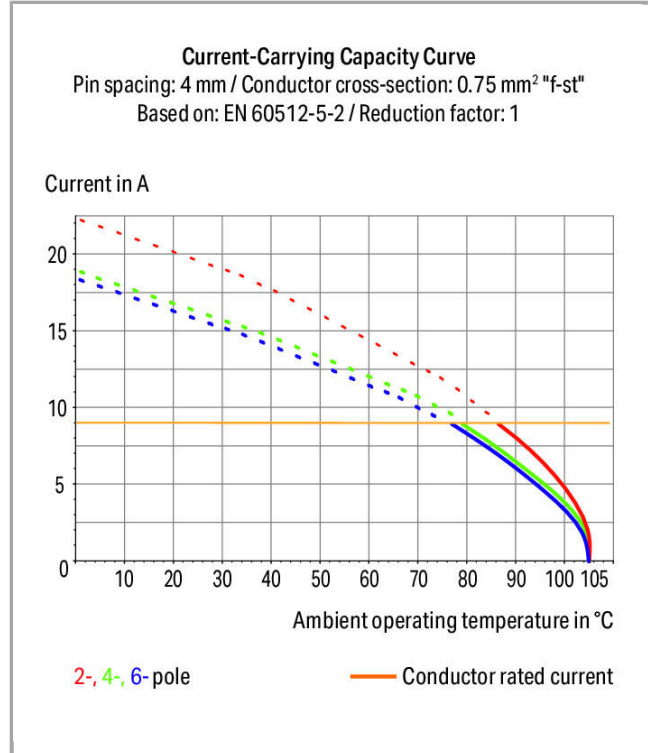


Data sheet | Item number: 2060-1451/998-404

THR PCB terminal block; Push-button; 0.75 mm<sup>2</sup>; Pin spacing 4 mm; 1-pole;  
Push-in CAGE CLAMP®; in tape-and-reel packaging



2060-1451/998-404





### Item description

- THR PCB terminal blocks with push-buttons and Push-in CAGE CLAMP® connection
- Push-in termination of solid and ferruled conductors
- Convenient termination/removal of fine-stranded conductors via push-buttons
- Just 4.5 mm tall
- Available in tape-and-reel packaging for automated assembly
- Also suitable for wave soldering

### Note:

#### Application note:

Suitable for lead-free, reflow-soldering profiles per DIN EN 61760-1 and IEC 60068-2-58 up to max. 260 °C peak temperature. Due to customer-specific variables (e.g., component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

### Recommendation:

#### Recommendation for stencil:

150 µm material thickness

The stencil hole diameter is identical to the outer diameter of the metal-plated PCB hole.

### Data

#### Electrical data

### Ratings per IEC/EN 60664-1

Rated voltage (III / 3)	63 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	9 A

### Approvals per UL 1977

Rated voltage per UL 1977 (factory wiring only)	600 V
Rated current per UL 1977 (factory wiring only)	9 A

### Connection data

Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.2 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor	0.2 ... 0.75 mm <sup>2</sup> / 24 ... 18 AWG
Fine-stranded conductor with ferrule with plastic collar	0.25 ... 0.34 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 0.34 mm <sup>2</sup>
Strip length	6 ... 7 mm / 0.24 ... 0.28 inch
Conductor entry angle to the PCB	0°
No. of poles	1
Total number of connection points	1
Total number of potentials	1
Number of connection types	1
Number of levels	1

### Geometrical Data

Pin spacing	4 mm / 0.157 inch
Width	3.9 mm / 0.154 inch
Height	6.9 mm / 0.272 inch
Height from the surface	4.5 mm / 0.177 inch
Depth	12.7 mm / 0.5 inch
Solder pin length	2.4 mm
Solder pin dimensions	1.2 x 0.75 mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	24 mm

## PCB contact

PCB contact	THR
Solder pin arrangement	within the terminal block, in line
Number of solder pins per potential	2

## Material Data

Color	white
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Copper alloy
Contact plating	tin-plated
Fire load	0MJ
Weight	0.25 g

## Environmental Requirements




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

Country of origin	CN
GTIN	4055143331227
Customs Tariff No.	85369010000


## Approvals / Certificates

### Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CCA DEKRA Certification B.V.	EN 60947	NTR NL- 7724
	CCA DEKRA Certification B.V.	EN 60838	NTR NL 2168246
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-107168
	KEMA/KEUR DEKRA Certification B.V.	EN 60838	2168246.01





## UL-Approvals




Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1977	E45171

## Compatible products

## tools

	Item no.: 2060-189 Operating tool; for 2060 Series SMD PCB Terminal Blocks; of insulating material	2060-189
	Item no.: 206-860 Operating tool; for terminal blocks 2060 series	206-860

## ferrule

	Item no.: 216-131 Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated	216-131
	Item no.: 216-132 Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated	216-132
	Item no.: 216-301 Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated	216-301
	Item no.: 216-302 Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated	216-302

## Downloads

## Documentation

## Additional Information

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## CAD/CAE - Smart Data

## CAD data

3D Download 2060-1451/998-404      URL      Download



Subject to changes.

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