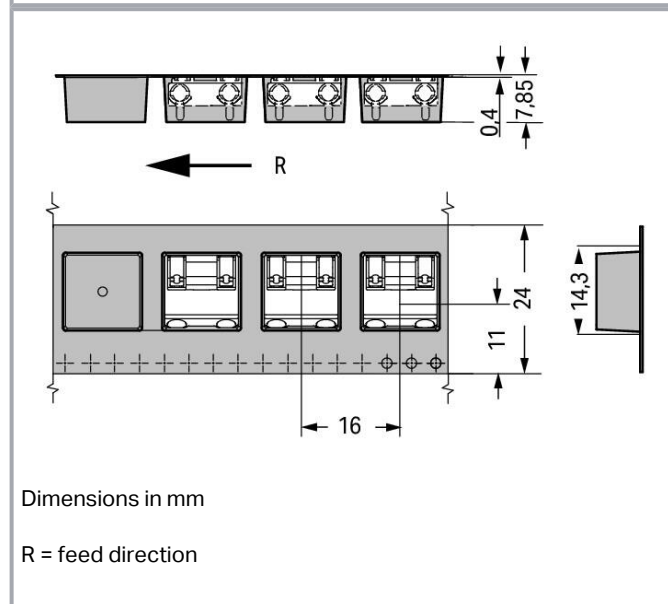
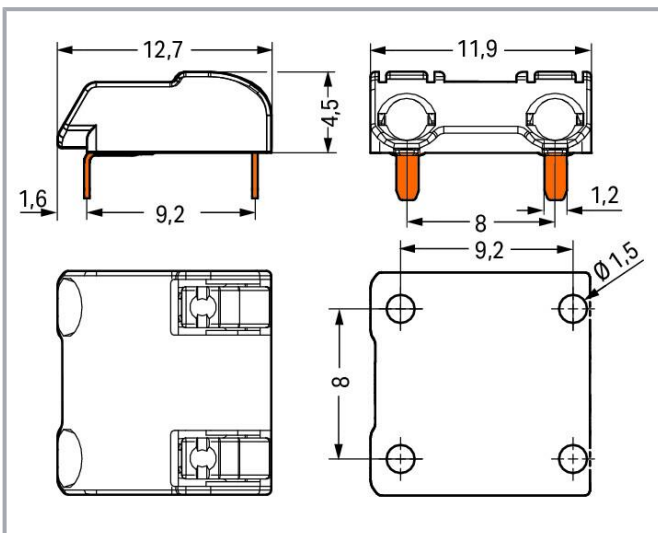
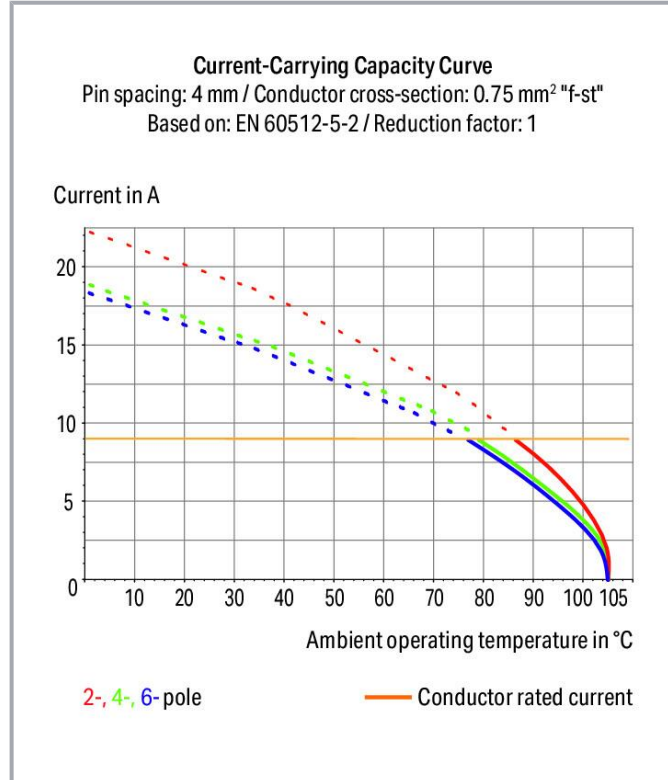


Data sheet | Item number: 2060-1852/998-404

THR PCB terminal block; push-button; 0.75 mm<sup>2</sup>; Pin spacing 8 mm; 2-pole;  
 Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm<sup>2</sup>; white



[www.wago.com/2060-1852/998-404](http://www.wago.com/2060-1852/998-404)



Subject to changes. Please also observe the further product documentation!

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## Item description

- THR PCB terminal blocks with Push-in CAGE CLAMP<sup>®</sup> connection technology and push-buttons
- 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

## Data

### Notes

Note

Application notes:

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 application-specific variables (component configuration and orientation, type of soldering machine, solder paste), trial runs are recommended to ensure product and process compatibility under actual manufacturing conditions.

Note

Depending on reflow soldering temperatures and times, color deviations may occur. These deviations will have no impact on functionality.

Recommendation

Recommendation for stencil:

150 µm material thickness  
Stencil hole diameter identical to metal-plated PCB hole outer diameter

## Electrical data

### Ratings per IEC/EN

Ratings per

IEC/EN 60664-1

Nominal voltage (III/3)

400 V

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Rated impulse voltage (III/3)	6 kV
Rated voltage (III/2)	630 V
Rated impulse voltage (III/2)	6 kV
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	9 A
Legend (ratings)	(III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2

### Connection data

Connection points	2
Total number of potentials	2
Number of connection types	1
Number of levels	1

### Connection 1

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 insulated ferrule	0.25 ... 0.34 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 0.34 mm <sup>2</sup>
Strip length	6 ... 7 mm / 0.24 ... 0.28 inches
Conductor connection direction to PCB	0°
Pole number	2

### Physical data

Pin spacing	8 mm / 0.314 inches
Width	11.9 mm / 0.467 inches
Height	6.9 mm / 0.272 inches
Height from the surface	4.5 mm / 0.177 inches
Depth	12.7 mm / 0.5 inches
Solder pin length	2.4 mm
Solder pin dimensions	1.2 x 0.75 mm
Plated through-hole diameter (THR)	1.5 <sup>(+0.1)</sup> mm
Reel diameter of tape-and-reel packaging	330 mm
Tape width	24 mm

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## Plug-in connection

Plugging without loss of pin spacing	Yes
--------------------------------------	-----

## PCB contact

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

## Material Data

Note (material data)	Information on material specifications can be found here
Color	white
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Copper alloy
Contact material	Copper alloy
Contact plating	Tin
Weight	0.6 g
MSL gemäß J-STD 020D	1

## Environmental requirements

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

eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	4950 (550) pcs
Packaging type	box
Country of origin	CH
GTIN	4055143331173
Customs tariff number	85369010000

Subject to changes. Please also observe the further product documentation!






## Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

## Approvals / Certificates

### General 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
	CCA DEKRA Certification B.V.	EN 60947-7-4	NTR NL-7843
	cURus Underwriters Laboratories Inc.	UL 1977	E45171
	KEMA/KEUR DEKRA Certification B.V.	EN 60838	2168246.01
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	71-108183
	KEMA/KEUR DEKRA Certification B.V.	EN 60998	71-109040
	KEMA/KEUR DEKRA Certification B.V.	EN 60947-7-4	71-114208

### Declarations of conformity and manufacturer's declarations

Certificate

Subject to changes. Please also observe the further product documentation!

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Logo	Approval	Additional Approval Text	name
	EU-Declaration of Conformity WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

## Optional accessories

Ferrule			
Ferrule			
	<b>Item no.: 216-132</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated		<a href="http://www.wago.com/216-132">www.wago.com/216-132</a>
	<b>Item no.: 216-131</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored		<a href="http://www.wago.com/216-131">www.wago.com/216-131</a>
	<b>Item no.: 216-301</b> Ferrule; Sleeve for 0.25 mm <sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow		<a href="http://www.wago.com/216-301">www.wago.com/216-301</a>
	<b>Item no.: 216-302</b> Ferrule; Sleeve for 0.34 mm <sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise		<a href="http://www.wago.com/216-302">www.wago.com/216-302</a>
Tool			
Operating tool			
	<b>Item no.: 206-860</b> Operating tool; for 2060 Series; multicoloured		<a href="http://www.wago.com/206-860">www.wago.com/206-860</a>
	<b>Item no.: 2060-189</b> Operating tool; made of insulating material; for 2060 Series; white		<a href="http://www.wago.com/2060-189">www.wago.com/2060-189</a>

## Downloads

### Documentation

#### Additional Information

Technical Section	2019 Apr 3	pdf 2.0 MB	Download
Technical explanations			
THR Soldering Process		pdf 548.2 kB	Download

Subject to changes. Please also observe the further product documentation!

## CAD/CAE-Data

### CAD data

2D/3D Models 2060-1852/998-404	<a href="#">URL</a>	<a href="#">Download</a>
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### CAE data

ZUKEN Portal 2060-1852/998-404	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 2060-1852/998-404 THR PCB terminal block; push-button; 0.75 mm <sup>2</sup> ; Pin spacing 8 mm; 2-pole; Push-in CAGE CLAMP®; in tape-and-reel packaging; 0,75 mm <sup>2</sup> ; white	<a href="#">URL</a>	<a href="#">Download</a>
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## Installation Notes

### Conductor termination



Insert solid conductors via push-in termination.

### Conductor termination

Subject to changes. Please also observe the further product documentation!



Insert/remove fine-stranded conductors by lightly pressing on push-button, e.g., via optional operating tool (206-860).

Subject to changes. Please also observe the further product documentation!