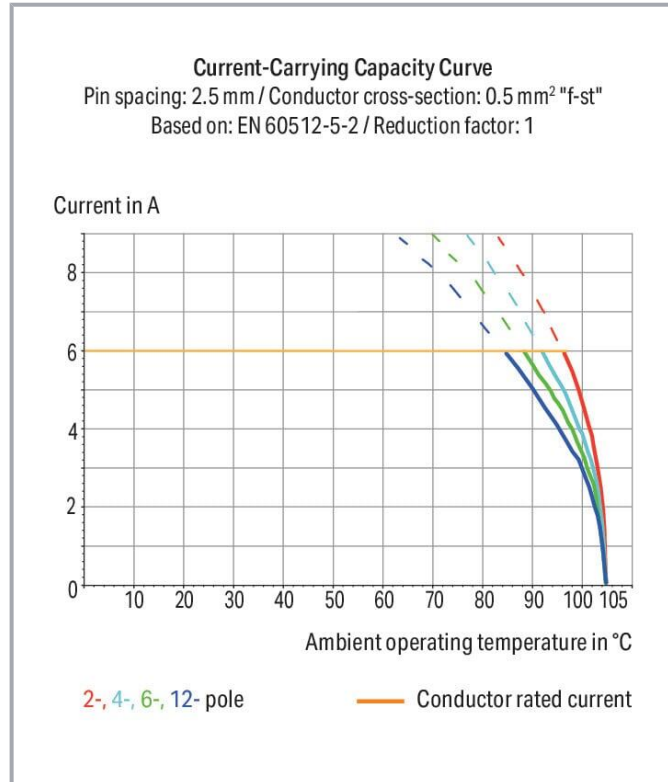


Data sheet | Item number: 218-106/000-604

THR PCB terminal block; Locking slides; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 6-pole; CAGE CLAMP®; 0,50 mm<sup>2</sup>; black



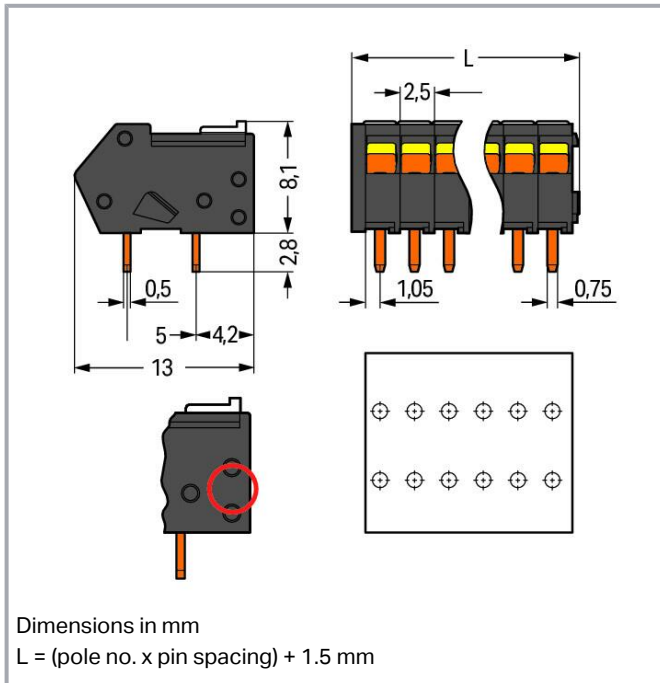
[www.wago.com/218-106/000-604](http://www.wago.com/218-106/000-604)



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

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## Item description

- Terminal strips are just 8.1 mm tall and feature an innovative, locking slide-actuated CAGE CLAMP®.
- Several clamping units can be held open simultaneously.
- Easily terminate stranded conductors in tight spaces (e.g., bus connectors).
- THR soldering provides integration into SMT assembly and soldering processes.

## 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.

#### Variants:

Other pole numbers  
 Direct marking

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

Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

### Ratings per IEC/EN

| Ratings per                   | IEC/EN 60664-1  |
|-------------------------------|---|
| Nominal 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  |
| Nominal voltage (II/2)        | 320 V   |
| Rated surge voltage (II/2)    | 2.5 kV  |
| Rated current                 | 6 A   |
| Legend (ratings)              | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

### Connection data

|                            |   |
|----------------------------|---|
| Connection points          | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels           | 1 |

### Connection 1

|   |   |
|---|---|
| Connection technology                             | CAGE CLAMP®   |
| Actuation type                                    | Slider  |
| 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 insulated ferrule   | 0.25 mm <sup>2</sup>  |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 mm <sup>2</sup>  |
| 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. |
| Strip length                                      | 5 ... 6 mm / 0.2 ... 0.24 inches  |
| Conductor connection direction to PCB             | 40 °  |
| Pole number                                       | 6   |

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



## Physical data

|                                    |                          |
|------------------------------------|--------------------------|
| Pin spacing                        | 2.5 mm / 0.098 inches    |
| Width                              | 16.5 mm / 0.65 inches    |
| Height                             | 10.9 mm / 0.429 inches   |
| Height from the surface            | 8.1 mm / 0.319 inches    |
| Depth                              | 13 mm / 0.512 inches     |
| Solder pin length                  | 2.8 mm                   |
| Solder pin dimensions              | 0.5 x 0.75 mm            |
| Plated through-hole diameter (THR) | 1.1 <sup>(+0.1)</sup> 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

|                             |  |
|-----------------------------|--|
| Note (material data)        | Information on material specifications can be found here |
| Color                       | black  |
| Material group              | IIIa   |
| Insulation material         | Polyamide (PA46)   |
| Flammability class per UL94 | V2   |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                        |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                   |
| Contact plating             | Tin  |
| Fire load                   | 0.027 MJ   |
| Weight                      | 2 g  |
| MSL per J-STD 020D          | 1  |

## Environmental requirements

|                         |                 |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +105 °C |
|-------------------------|-----------------|

## Commercial data

|               |                                |
|---------------|--------------------------------|
| Product Group | 4 (Printed Circuit Connectors) |
|---------------|--------------------------------|

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


|                       |               |
|-----------------------|---------------|
| eCl@ss 10.0           | 27-44-04-01   |
| eCl@ss 9.0            | 27-44-04-01   |
| ETIM 8.0              | EC002643      |
| ETIM 7.0              | EC002643      |
| ECCN                  | NO DATA       |
| PU (SPU)              | 280 (70) pcs  |
| Packaging type        | Box           |
| Country of origin     | PL            |
| GTIN                  | 4045454422233 |
| Customs tariff number | 85369010000   |

## Environmental Product Compliance

|                        |                         |
|------------------------|-------------------------|
| RoHS Compliance Status | Compliant, No Exemption |
|------------------------|-------------------------|

## Approvals / Certificates

### General approvals

| Logo  | Approval                        | Additional Approval Text | Certificate name |
|---|---------------------------------|--------------------------|------------------|
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158            | 1565656          |

## Optional accessories

### Marking accessories

| Marking strip  |   |  |  |
|--|---|--|--|
|  | <b>Item no.: 210-331/250-207</b><br>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; white  |  | <a href="http://www.wago.com/210-331/250-207">www.wago.com/210-331/250-207</a> |
|  | <b>Item no.: 210-331/250-202</b><br>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; white  |  | <a href="http://www.wago.com/210-331/250-202">www.wago.com/210-331/250-202</a> |
|  | <b>Item no.: 210-331/250-204</b><br>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; white |  | <a href="http://www.wago.com/210-331/250-204">www.wago.com/210-331/250-204</a> |
|  | <b>Item no.: 210-331/250-206</b><br>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; white |  | <a href="http://www.wago.com/210-331/250-206">www.wago.com/210-331/250-206</a> |

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## Testing and measuring

### Testing accessories



**Item no.: 735-500**

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm² [www.wago.com/735-500](http://www.wago.com/735-500)

## Tool

### Operating tool



**Item no.: 210-647**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured

[www.wago.com/210-647](http://www.wago.com/210-647)



**Item no.: 210-719**

Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

## Ferrule

### Ferrule



**Item no.: 216-131**

Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

[www.wago.com/216-131](http://www.wago.com/216-131)



**Item no.: 216-151**

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

[www.wago.com/216-151](http://www.wago.com/216-151)



**Item no.: 216-301**

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

[www.wago.com/216-301](http://www.wago.com/216-301)



**Item no.: 216-321**

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

[www.wago.com/216-321](http://www.wago.com/216-321)

## Downloads

### Documentation

#### Additional Information

|                        |            |          |          |
|------------------------|------------|----------|----------|
| Technical Section      | 2019 Apr 3 | pdf      | Download |
| Technical explanations |            | 2.1 MB   |          |
| THR Soldering Process  |            | pdf      | Download |
|                        |            | 548.2 kB |          |

## CAD/CAE-Data

### CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 218-106/000-604 | URL | Download |
|------------------------------|-----|----------|

### CAE data

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



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|                                   |                     |                          |
|-----------------------------------|---------------------|--------------------------|
| EPLAN Data Portal 218-106/000-604 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------------------|---------------------|--------------------------|

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|                              |                     |                          |
|------------------------------|---------------------|--------------------------|
| ZUKEN Portal 218-106/000-604 | <a href="#">URL</a> | <a href="#">Download</a> |
|------------------------------|---------------------|--------------------------|

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|                                   |                     |                          |
|-----------------------------------|---------------------|--------------------------|
| EPLAN Data Portal 218-106/000-604 | <a href="#">URL</a> | <a href="#">Download</a> |
|-----------------------------------|---------------------|--------------------------|

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### PCB Design

|  |                     |                          |
|--|---------------------|--------------------------|
| Symbol and Footprint via Ultra Librarian 218-106/000-604 | <a href="#">URL</a> | <a href="#">Download</a> |
|--|---------------------|--------------------------|

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

### Supported formats:

- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics
- BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design
- Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021 Zuken CR-5000 and CR-8000

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PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

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Symbol and Footprint via SamacSys 218-106/000-604

URL

Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

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**Asset Administration Shell**

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Asset Administration Shell 218-106/000-604

[URL](#)

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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 218-106/000-604

[URL](#)

[Download](#)

THR PCB terminal block; Locking slides; 0.5 mm<sup>2</sup>; Pin spacing 2.5 mm; 6-pole; CAGE CLAMP®; 0,50 mm<sup>2</sup>; black

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## Installation Notes

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

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