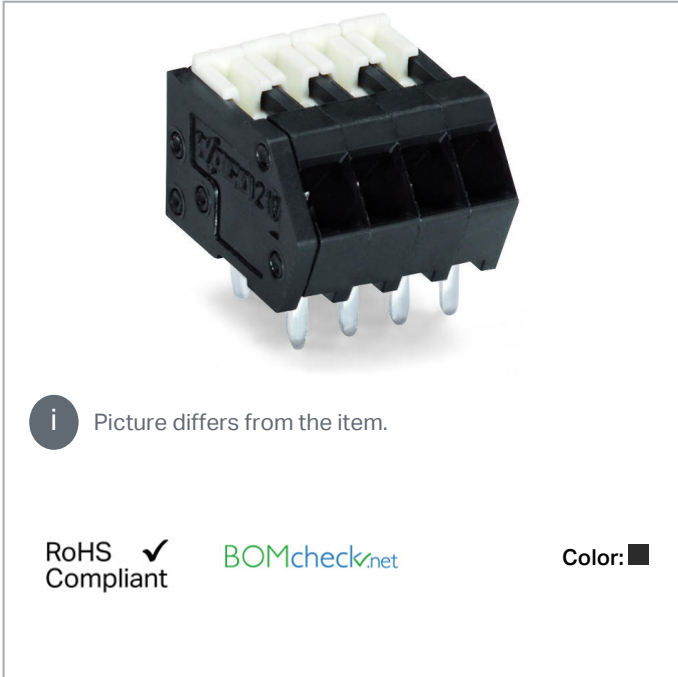


Data sheet | Item number: 218-507/000-604/997-405

THR PCB terminal block; Locking slides; 0.5 mm²; Pin spacing 2.54 mm; 7- pole; CAGE CLAMP®; in tape-and-reel packaging; 0,50 mm²; black



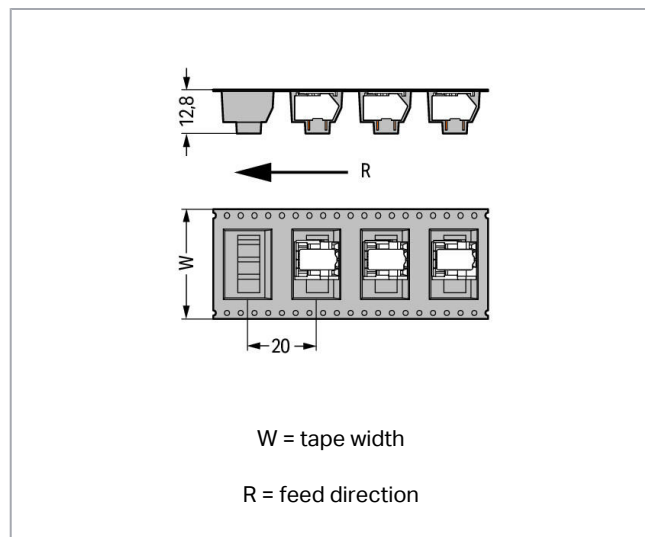
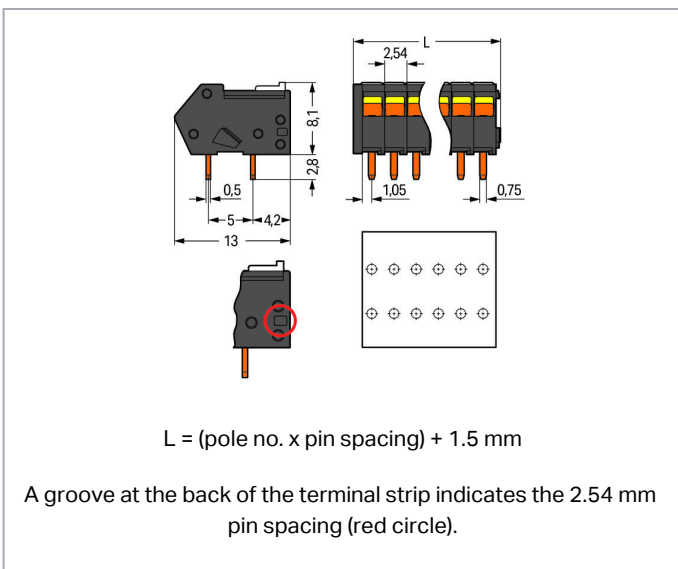
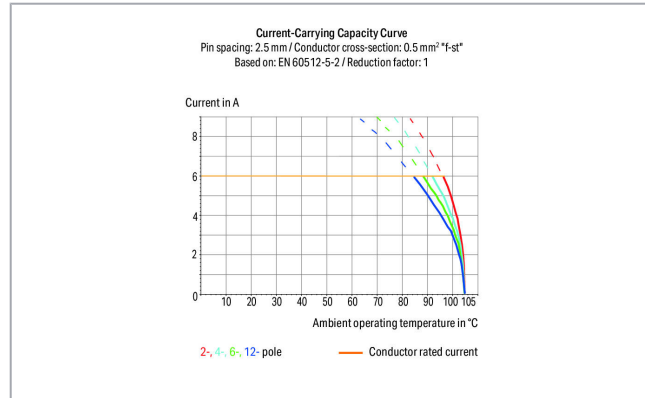
www.wago.com/218-507/000-604/997-405



i Picture differs from the item.

RoHS Compliant

Color:



Item description

- Terminal strips are just 8.1 mm tall and feature an innovative, locking slide-actuated CAGE CLAMP®

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

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Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



- 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

Electrical data

Ratings per IEC/EN

| Ratings per | IEC/EN 60664-1 |
|-----------------------------|--|
| Nominal voltage (III/3) | 32 V |
| Rated surge voltage (III/3) | 2.5 kV |
| Rated voltage (III/2) | 160 V |
| Rated surge 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) \triangleq Overvoltage category III / Pollution degree 2 |

Ratings per UL

| | |
|---------------|---------|
| Approvals per | UL 1059 |
|---------------|---------|

Ratings per CSA

| | |
|---------------|-----|
| Approvals per | CSA |
|---------------|-----|

Connection data

| | |
|---|---|
| Connection technology | CAGE CLAMP [®] |
| Actuation type | Slider |
| Solid conductor | 0.08 ... 0.5 mm ² / 28 ... 20 AWG |
| Fine-stranded conductor | 0.08 ... 0.5 mm ² / 28 ... 20 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 mm ² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 mm ² |
| Note (conductor cross-section) | Terminating 0.75 mm ² /18 AWG conductors is possible; however insulation diameter allows only every other clamping unit to be terminated with this conductor size. |

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



| | |
|---------------------------------------|--------------------------------|
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inch |
| Conductor connection direction to PCB | 40° |
| Pole No. | 7 |
| Total number of connection points | 7 |
| Total number of potentials | 7 |
| Number of connection types | 1 |
| Number of levels | 1 |

Physical data

| | |
|--|--------------------------|
| Pin spacing | 2.54 mm / 0.1 inch |
| Width | 19.28 mm / 0.759 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 |
| Plated through-hole diameter (THR) | 1.1 ^(+0.1) mm |
| Reel diameter of tape-and-reel packaging | 330 mm |
| Tape width | 32 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 | IIIa |
| Insulation material | Polyamide (PA46) |
| Flammability class per UL94 | V2 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | tin-plated |
| Weight | 2.3 g |

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

Environmental requirements


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

Commercial data

| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4055143410175 |
| Customs tariff number | 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.: 210-648 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short | www.wago.com/210-648 |
|  | Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | www.wago.com/210-719 |

Marking accessories

| | |
|---|--|
| Item no.: 210-331/254-202 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; white | www.wago.com/210-331/254-202 |
| Item no.: 210-331/254-204 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; white | www.wago.com/210-331/254-204 |
| Item no.: 210-331/254-206 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; white | www.wago.com/210-331/254-206 |
| Item no.: 210-331/254-207 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; white | www.wago.com/210-331/254-207 |

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

length 182 mm; Horizontal marking; Self-adhesive; white

| ferrule | | |
|--|--|--|
|  | Item no.: 216-131 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-131 |
|  | Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
| | Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
| | Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
| check | | |
|  | Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire | www.wago.com/735-500 |

Downloads

Documentation

Additional Information

| | | | |
|------------------------|------------|-----------------|----------|
| Technical explanations | 3. 4. 2019 | pdf 2.0 MB | Download |
| THR Soldering Process | | pdf 548.2 kB | Download |

CAD/CAE-Data

CAE data

| | | | |
|---|--|-----|----------|
| EPLAN Data Portal 218-507/000-604/997-405 | | URL | Download |
|---|--|-----|----------|

Installation Notes

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