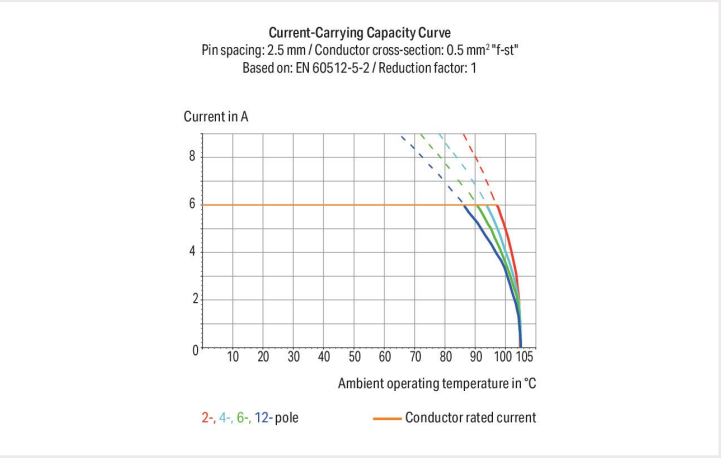


Dimensions in mm
 $L = (\text{pole no.} \times \text{pin spacing}) + 2.3 \text{ mm}$



- Compact PCB terminal strips with CAGE CLAMP® connection and screwdriver actuation parallel or perpendicular to conductor entry
- Double solder pins for high mechanical
- Custom color combinations

| Notes | |
|-----------|--|
| Variants: | Other pole numbers Other colors Mixed-color PCB connector strips Direct marking 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 | |
| Ratings per | IEC/EN 60664-1 | Legend (ratings) | (III / 2) ≙ Overvoltage category III / Pollution degree 2 |
| Nominal 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 | | |
| Nominal voltage (II/2) | 320 V | | |
| Rated surge voltage (II/2) | 2.5 kV | | |
| Rated current | 6 A | | |

Ratings per UL

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group B) | 150 V |
| Rated current UL (Use Group B) | 4 A |

Ratings per CSA

| | |
|---------------------------------|-------|
| Approvals per | CSA |
| Rated voltage CSA (Use Group B) | 150 V |
| Rated current CSA (Use Group B) | 4 A |

Connection data

| | |
|-----------------------------------|----|
| Total number of connection points | 12 |
| Total number of potentials | 12 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|---|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Push-button |
| Solid conductor | 0.08 ... 0.5 mm² / 28 ... 20 AWG |
| Fine-stranded conductor | 0.08 ... 0.5 mm² / 28 ... 20 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 mm² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 mm² |
| Note (conductor cross-section) | Terminating 0.75 mm²/18 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 | 30 ° |
| Pole number | 12 |

Physical data

| | |
|--------------------------------------|-------------------------|
| Pin spacing | 2.54 mm / 0.1 inches |
| Width | 32.78 mm / 1.291 inches |
| Height | 19.5 mm / 0.768 inches |
| Height from the surface | 15.5 mm / 0.61 inches |
| Depth | 13.9 mm / 0.547 inches |
| Solder pin length | 4 mm |
| Solder pin dimensions | 0.5 x 0.75 mm |
| Drilled hole diameter with tolerance | 1.1 (+0.1) mm |

PCB contact

| | |
|-------------------------------------|--|
| PCB contact | THT |
| 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 data can be found here |
| Color | orange |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Electrolytic copper (E _{Cu}) |
| Contact plating | Tin |
| Fire load | 0.112 MJ |
| Weight | 4.9 g |



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

| Commercial data | |
|-------------------------------------|---------------------|
| Product Group | 4 (Printed Circuit) |
| eCl@ss 10.0 | 27-44-04-01 |
| eCl@ss 9.0 | 27-44-04-01 |
| ETIM 8.0 | EC002643 |
| ETIM 7.0 | EC002643 |
| PU (SPU) | 140 (35) Stück |
| Packaging type | Box |
| Country of origin VKOrg Germany | CH |
| GTIN | 4045454050443 |
| Customs tariff number VKOrg Germany | 85369010000 |

Approvals and certificates

Country specific Approvals



| Approval | Standard | Certificate name |
|---------------------------------------|--------------|------------------|
| CCA DEKRA Certification B.V. | EN 60998 | NTR NL 6946 |
| CCA DEKRA Certification B.V. | EN 60998 | 2153951.01 |
| CCA DEKRA Certification B.V. | EN 60947-7-4 | NTR NL 7786 |
| CSA DEKRA Certification B.V. | C22.2 | 1465035 |
| KEMA/KEUR DEKRA Certification B.V. | EN 60947-7-4 | 71-111040 |

Ship Approvals



| Approval | Standard | Certificate name |
|---|-----------|------------------|
| ABS American Bureau of Ship- ping | - | 19-HG1869876-PDA |
| BV Bureau Veritas S.A. | IEC 60998 | 11915/D0 BV |
| DNV GL Det Norske Veritas, Ger- manischer Lloyd | - | TAE000016Z |

UL-Approvals



| Approval | Standard | Certificate name |
|--|----------|------------------|
| UL UL International Germany GmbH | UL 1059 | E45172 |



Downloads

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Documentation

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Technical Section

03.04.2019

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ZUKEN Portal 233-512


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1 Compatible products


1.1 Optional accessories

1.1.1 Ferrule


1.1.1.1 Ferrule




Item no.: 216-301
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow



Item no.: 216-321
Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow




Item no.: 216-151
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated




Item no.: 216-131
Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored

1.1.2 Marking


1.1.2.1 Marking strip




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; white




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




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; white




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




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; white



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



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; white



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

1.1.3 Tool

1.1.3.1 Operating tool



Item no.: 210-719

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

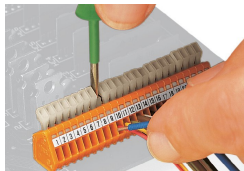


Item no.: 210-648

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

Installation notes

Conductor termination



Inserting/removing a conductor.



Nominal cross-section: 0.5 mm² (20 AWG), 0.75 mm² (18 AWG) only in every other position

Marking



Labeling via self-adhesive marking strips or factory direct marking.