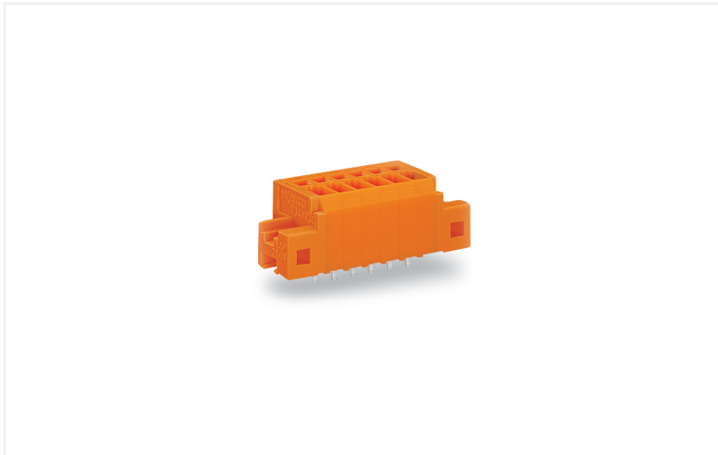


Data Sheet | Item Number: 739-335/001-000

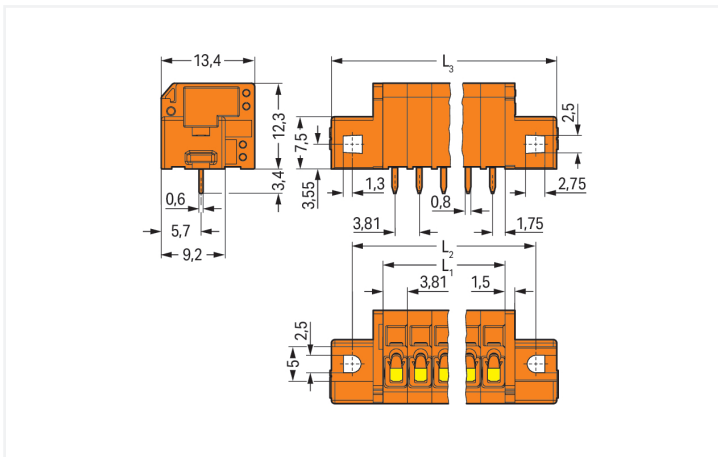
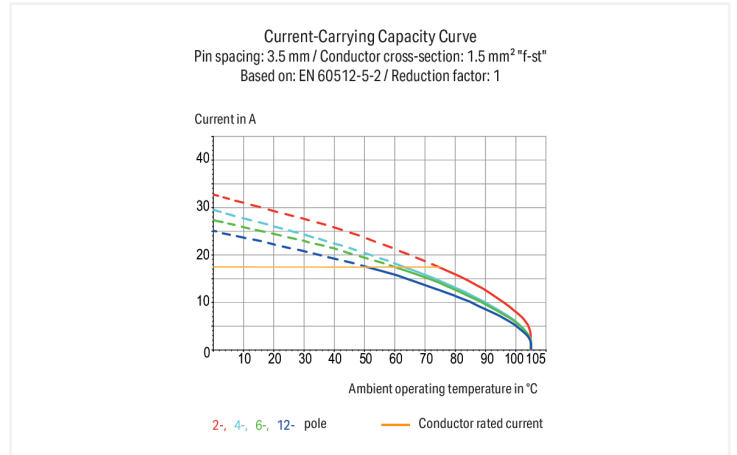
PCB terminal block; 1.5 mm²; Pin spacing 3.81 mm; 5-pole; CAGE CLAMP®; clamping collar; orange

<https://www.wago.com/739-335/001-000>



Color: ■ orange

Similar to illustration



Dimensions in mm

L1 = pole no. x pin spacing L2 = L1 + 8.8 mm L3 = L1 + 14.8 mm

PCB terminal block, 739 Series, orange

This PCB terminal block (item number 739-335/001-000) streamlines wire connections, making them both quick and easy. It offers the flexibility needed for different mounting types. Strip lengths must be between 5 and 6 mm when connecting conductors to this PCB terminal block. This product features one conductor terminal and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a proven and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. The item's dimensions are (33.85 x 15.7 x 13.4) mm (width x height x depth). This PCB terminal block is suitable for conductor cross sections ranging from 0.08 mm² to 1.5 mm².

The contact surface is coated with tin. This PCB terminal block is operated with an operating tool. The PCB terminal block is designed for THT soldering. Insert the conductor into the board at a 90° angle..

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 60664-1 | | | Approvals per | UL 1059 | | |
|---------------------------------|----------------|--------|--------|---------------|---------|---|-------|
| Overvoltage category | III | III | II | Use group | B | C | D |
| Pollution degree | 3 | 2 | 2 | Rated voltage | 300 V | - | 300 V |
| Nominal voltage | 200 V | 320 V | 500 V | Rated current | 15 A | - | 10 A |
| Rated impulse withstand voltage | 4 kV | 4 kV | 4 kV | | | | |
| Rated current | 17.5 A | 17.5 A | 17.5 A | | | | |

Connection Data

| | | | |
|----------------------------|---|---|--|
| Clamping units | 5 | Connection 1 | |
| Total number of potentials | 5 | Connection technology | CAGE CLAMP® |
| Number of connection types | 1 | Actuation type | Operating tool |
| Number of levels | 1 | Solid conductor | 0.08 ... 1.5 mm ² / 28 ... 14 AWG |
| | | Fine-stranded conductor | 0.08 ... 1.5 mm ² / 28 ... 14 AWG |
| | | Fine-stranded conductor; with insulated ferrule | 0.25 ... 1 mm ² |
| | | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 1.5 mm ² |
| | | Note (conductor cross-section) | 14 AWG: THHN, THWN |
| | | Strip length | 5 ... 6 mm / 0.2 ... 0.24 inches |
| | | Conductor connection direction to PCB | 90° |
| | | Pole number | 5 |

Physical data

| | |
|-------------------------|-------------------------|
| Pin spacing | 3.81 mm / 0.15 inches |
| Width | 33.85 mm / 1.333 inches |
| Height | 15.7 mm / 0.618 inches |
| Height from the surface | 12.3 mm / 0.484 inches |
| Depth | 13.4 mm / 0.528 inches |
| Solder pin length | 3.4 mm |
| Solder pin dimensions | 0.6 x 0.8 mm |
| ! | 1.1 (+0.1) mm |

Mechanical data

| | |
|---|-----------------|
| Mounting type | Mounting flange |
| Mounting type | Panel mounting |
| Suitable for through-panel applications | Yes |

PCB contact

| | |
|-------------------------------------|--|
| PCB contact | THT |
| Solder pin arrangement | over the entire terminal strip (in-line) |
| Number of solder pins per potential | 1 |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | orange |
| Material group | I |
| Insulation material (main housing) | 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 | 0.093 MJ |
| Weight | 4.4 g |

Environmental requirements

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

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 140 (35) pcs |
| Packaging type | Box |
| Country of origin | PL |
| GTIN | 4055143384681 |
| Customs tariff number | 85369010000 |

Product Classification

| | |
|-------------|----------------------|
| UNSPSC | 39121409 |
| eCl@ss 10.0 | 27-44-04-01 |
| eCl@ss 9.0 | 27-44-04-01 |
| ETIM 9.0 | EC002643 |
| ETIM 10.0 | EC002643 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Approvals / Certificates

General approvals



| Approval | Standard | Certificate Name |
|---------------------------------|---------------|------------------|
| CCA DEKRA Certification B.V. | EN 60947 | NTR NL-7961 |
| CCA DEKRA Certification B.V. | EN 60947-7-4 | NTR NL 7780 |
| CSA DEKRA Certification B.V. | C22.2 No. 158 | 1711139 |

General approvals

| | | |
|---------------------------------------|--------------|-----------|
| KEMA/KEUR DEKRA Certification B.V. | EN 60947-7-4 | 71-110334 |
| KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 71-125886 |

Downloads

Environmental Product Compliance

| | | | |
|----------------------------------|--|--|---|
| Compliance Search | | | |
| Environmental Product Compliance | | | ↓ |
| 739-335/001-000 | | | |

Documentation

| | | | |
|------------------------|------------|-------------------|---|
| Additional Information | | | |
| Technical Section | 03.04.2019 | pdf 2027.26 KB | ↓ |

CAD/CAE-Data

| | |
|-----------------|---|
| CAD data | |
| 2D/3D Models | ↓ |
| 739-335/001-000 | |

| | |
|-------------------|---|
| CAE data | |
| EPLAN Data Portal | ↓ |
| 739-335/001-000 | |

| | |
|-----------------|---|
| ZUKEN Portal | ↓ |
| 739-335/001-000 | |

PCB Design

| | |
|-----------------------------------|---|
| Symbol and Footprint via SamacSys | ↓ |
| 739-335/001-000 | |

| | |
|--|---|
| Symbol and Footprint via Ultra Librarian | ↓ |
| 739-335/001-000 | |

1 Compatible Products














1.1 Optional Accessories

1.1.1 Ferrule

1.1.1.1 Ferrule





| | | | |
|--|--|--|---|
| | | | |
| <p>Item No.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</p> | <p>Item No.: 216-321 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow</p> | <p>Item No.: 216-151 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated</p> | <p>Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored</p> |
| | | | |
| <p>Item No.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</p> | <p>Item No.: 216-322 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise</p> | <p>Item No.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</p> | <p>Item No.: 216-152 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</p> |
| | | | |
| <p>Item No.: 216-201 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white</p> | <p>Item No.: 216-241 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</p> | <p>Item No.: 216-221 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; white</p> | <p>Item No.: 216-141 Ferrule; Sleeve for 0.5 mm² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p> |

1.1.1.1 Ferrule

| | | | |
|--|---|---|---|
|  <p>Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored</p> |  <p>Item No.: 216-121 Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored</p> |  <p>Item No.: 216-242 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> |  <p>Item No.: 216-262 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> |
|  <p>Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</p> |  <p>Item No.: 216-222 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</p> |  <p>Item No.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p> |  <p>Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored</p> |
|  <p>Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored</p> |  <p>Item No.: 216-243 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p> |  <p>Item No.: 216-263 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p> |  <p>Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</p> |
|  <p>Item No.: 216-223 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; red</p> |  <p>Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated</p> |  <p>Item No.: 216-143 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p> |  <p>Item No.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated; silver-colored</p> |
|  <p>Item No.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated</p> |  <p>Item No.: 216-144 Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored</p> |  <p>Item No.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored</p> | |




1.1.2 Marking

1.1.2.1 Marking strip

| | | | |
|---|--|---|--|
|  <p>Item No.: 210-332/381-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white</p> |  <p>Item No.: 210-332/381-205 Marking strips; as a DIN A4 sheet; MARKED; 1-32 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white</p> |  <p>Item No.: 210-332/381-204 Marking strips; as a DIN A4 sheet; MARKED; 17-32 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white</p> |  <p>Item No.: 210-332/381-206 Marking strips; as a DIN A4 sheet; MARKED; 33-48 (160x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white</p> |
|---|--|---|--|

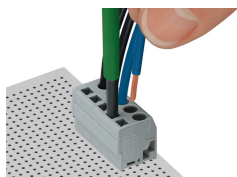
1.1.3 Tool

1.1.3.1 Operating tool

| | | |
|---|--|---|
|  <p>Item No.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft</p> |  <p>Item No.: 210-648 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short</p> |  <p>Item No.: 210-647 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; multicoloured</p> |
|---|--|---|

Installation Notes

Conductor termination



Inserting a conductor parallel to screwdriver actuation – 739 Series.