

Data Sheet | Item Number: 2734-1116/329-000/336-000

1-conductor female connector; lever; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismatching; Centered locking levers; Strain relief plate; 1,50 mm²; light gray

<https://www.wago.com/2734-1116/329-000/336-000>



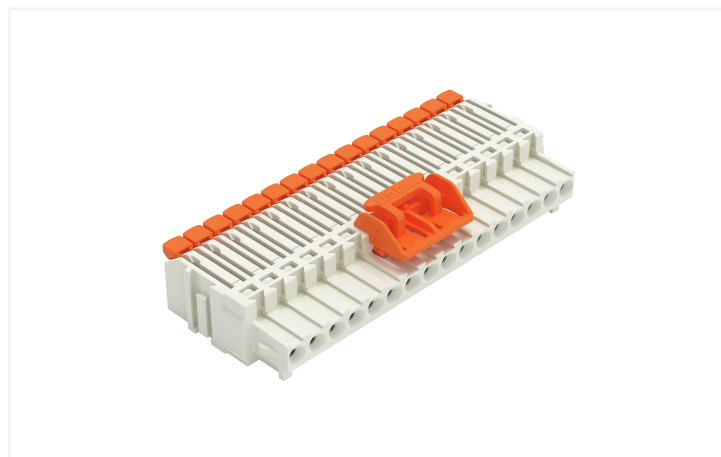
Color: ■ light gray

Similar to illustration

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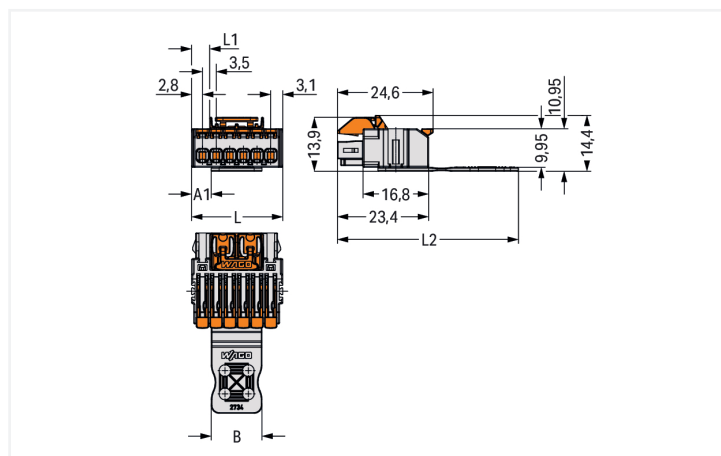
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Dimensions in mm

| Pole No. | A1 | B | L | L1 | L2 |
|----------|------|----|------|-------|------|
| 4 | 1.55 | 13 | 16.4 | 1.15 | 46.4 |
| 5 | 5.05 | 13 | 19.9 | 4.65 | 46.4 |
| 6 | 5.05 | 13 | 23.4 | 4.65 | 46.4 |
| 7 | 8.55 | 13 | 26.9 | 8.15 | 46.4 |
| 8 | 1.55 | 27 | 30.4 | 8.15 | 49.4 |
| 10 | 5.05 | 27 | 37.4 | 11.65 | 49.4 |
| 12 | 1.55 | 41 | 44.4 | 15.15 | 54.4 |
| 16 | 8.55 | 41 | 58.4 | 22.15 | 54.4 |

Dimensions in mm

Female connector, 2734 Series, lever

Enjoy easy electrical installations with this female connector (item number 2734-1116/329-000/336-000). Conductors should only be connected to this female connector if their strip length is between 9 and 10 mm. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Solid and fine-stranded conductors with ferrules can be plugged in without the need for tools—all thanks to its pluggable design. Depending on the conductor type, this female connector is ideal for conductor cross sections ranging from 0.14 mm² to 1.5 mm².

Tin is used for coating the contact surfaces. The strain relief plate secures the connected conductors and facilitates wire management..

Notes

Safety Information

The MCS – MULTI CONNECTION SYSTEM includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

Variants:

Other pole numbers
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) | 160 V |
| Rated impulse withstand voltage (III / 3) | 2.5 kV |
| Rated voltage (III/2) | 160 V |
| Rated impulse withstand voltage (III/2) | 2.5 kV |
| Nominal voltage (II/2) | 320 V |
| Rated impulse withstand voltage (II/2) | 2.5 kV |
| Rated current | 10 A |
| Legend (ratings) | (III / 2) Δ Overvoltage category III / Pollution degree 2 |

Ratings per UL

| Approvals per | UL 1059 |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V |
| Rated current UL (Use Group B) | 10 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

Ratings per CSA

| Approvals per | CSA |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 10 A |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A |

Connection Data

| | |
|----------------------------|----|
| Clamping units | 16 |
| Total number of potentials | 16 |
| Number of connection types | 1 |

Connection 1

| | |
|---|--|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Lever |
| Solid conductor | 0.14 ... 1.5 mm ² / 26 ... 14 AWG |
| Solid conductor; push-in termination | 0.34 ... 1.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor | 0.14 ... 1.5 mm ² / 26 ... 14 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.14 ... 0.75 mm ² |
| Fine-stranded conductor; with uninsulated ferrule | 0.14 ... 1 mm ² |
| Strip length | 9 ... 10 mm / 0.35 ... 0.39 inches |
| Pole number | 16 |
| Conductor entry direction to mating direction | 0° |

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 3.5 mm / 0.138 inches |
| Width | 58.4 mm / 2.299 inches |
| Height | 14.4 mm / 0.567 inches |

Mechanical data

| | |
|--------------------------|-----|
| Variable coding | Yes |
| Anti-rotation protection | Yes |

Plug-in connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for conductor |
| Mismating protection | Yes |
| Locking of plug-in connection | Center locking lever |
| Strain relief | Strain relief plate |

Material data

| | |
|------------------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| Color | light gray |
| Material group | I |
| Insulation material (main housing) | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome-nickel spring steel (CrNi) |
| Contact material | Copper alloy |
| Contact Plating | Tin |
| Fire load | 0.277 MJ |
| Weight | 14.9 g |

Environmental requirements

| | |
|-------------------------|-----------------|
| Limit temperature range | -60 ... +100 °C |
| Processing temperature | -35 ... +60 °C |

Commercial data

| | |
|-----------------------|---------------|
| PU (SPU) | 25 pcs |
| Packaging type | Box |
| Country of origin | DE |
| GTIN | 4066966441741 |
| Customs tariff number | 85366990990 |

Product Classification

| | |
|-----------|----------------------|
| UNSPSC | 39121409 |
| ETIM 9.0 | EC002638 |
| ETIM 10.0 | EC002638 |
| ECCN | NO US CLASSIFICATION |

Environmental Product Compliance

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

Downloads

Environmental Product Compliance

| | |
|-------------------|-------------------|
| Compliance Search | ↓ |
|-------------------|-------------------|

Documentation

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

CAD/CAE-Data

| | |
|------------|-------------------|
| PCB Design | ↓ |
| | ↓ |

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 734-316

1-conductor male connector; CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 16-pole; 100% protected against mismatching; 1,50 mm²; light gray

Item No.: 734-176

THT male header; 1.0 x 1.0 mm solder pin; angled; 100% protected against mismatching; Pin spacing 3.5 mm; 16-pole; light gray

Item No.: 734-146

THT male header; 1.0 x 1.0 mm solder pin; straight; 100% protected against mismatching; Pin spacing 3.5 mm; 16-pole; light gray

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: 2734-505

Coding pin carrier; 5 coding keys; for female connectors; orange

1.2.2 Ferrule

1.2.2.1 Ferrule



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

Item No.: 216-141

Ferrule; Sleeve for 0.5 mm² / 20 AWG; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92

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

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



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

1.2.3 Jumper

1.2.3.1 Jumper



Item No.: 2734-402

Jumper; for conductor entry; 2-way; insulated; light gray

1.2.4 Strain relief

1.2.4.1 Strain relief plate



Item No.: 2734-536

Strain relief plate; for female connectors; 41 mm wide; 1 part; lever; Pin spacing 3.5 mm; light gray

1.2.5 Test and measurement

1.2.5.1 Testing accessories

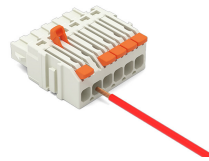
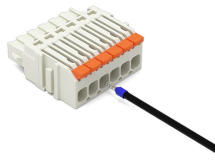
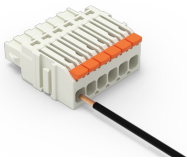


Item No.: 735-500

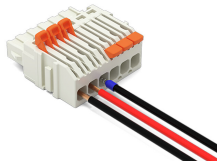
WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm uninsulated; Test lead for soldering up to 0,5mm²

Installation Notes

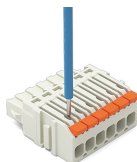
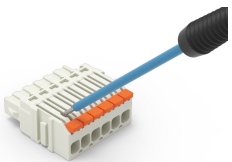
Conductor termination



Conductor removal



Testing



Marking

