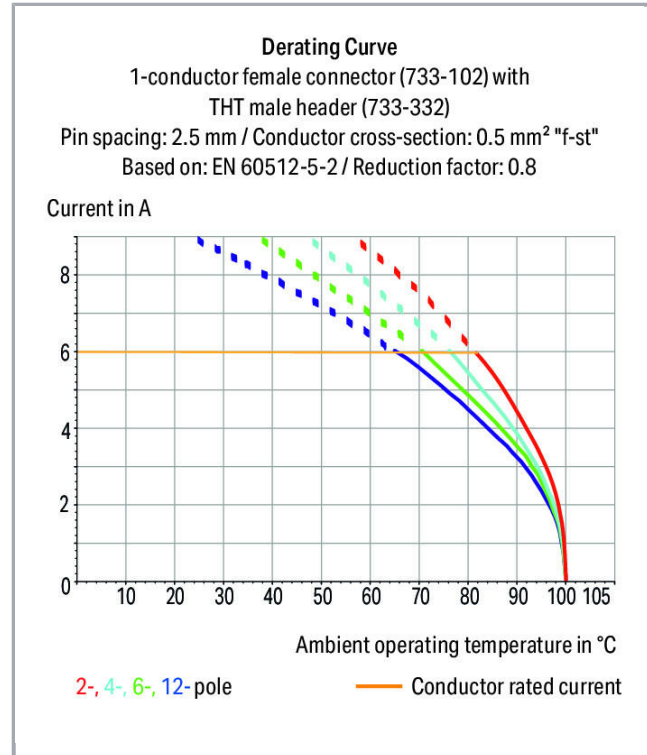


Data sheet | Item number: 733-106

1-conductor female plug; 100% protected against mismatching; 0.5 mm²; Pin spacing 2.5 mm; 6-pole; 0,50 mm²; light gray

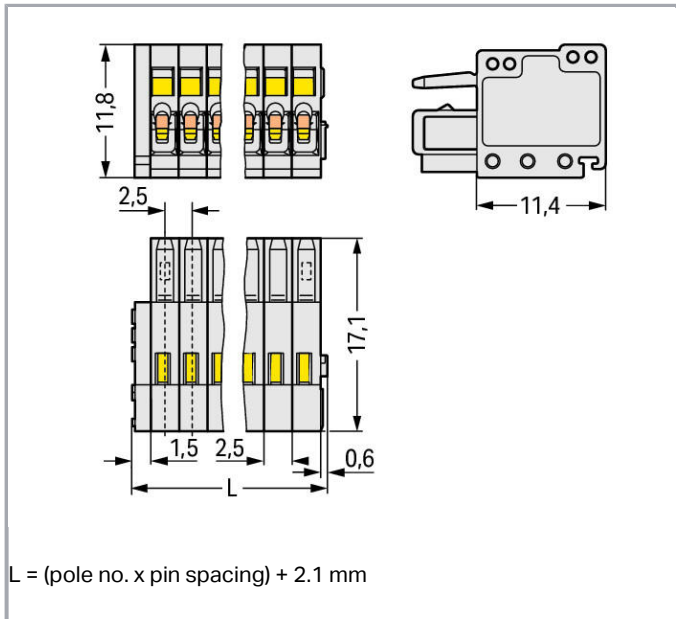
www.wago.com/733-106



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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

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We are always happy to take your call at +49 (571) 887-44222.



Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Strain relief plates for factory and in-the-field assembly
- 100% protected against mismatching
- Coding via coding fingers

Safety information 1:

The *MULTI CONNECTION SYSTEM (MCS)* is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

Data

Electrical data

Ratings per IEC/EN 60664-1

| Ratings per | IEC/EN 60664-1 |
|---------------------------------|----------------|
| Rated voltage (III / 3) | 100 V |
| Rated impulse voltage (III / 3) | 2.5 kV |
| Rated voltage (III / 2) | 160 V |
| Rated impulse voltage (III / 2) | 2.5 kV |
| Rated voltage (II / 2) | 320 V |

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| | |
|--------------------------------|--|
| Rated impulse voltage (II / 2) | 2.5 kV |
| Rated current | 6 A |
| Legend (ratings) | (III / 2) \triangleq Overvoltage category III / Pollution degree 2 |

Approvals per UL 1059

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

Approvals per CSA

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

Connection data

| | |
|---|--|
| Connection technology | CAGE CLAMP [®] |
| Actuation type | Operating tool |
| 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 ferrule with plastic collar | 0.25 ... 0.34 mm ² |
| Fine-stranded conductor with ferrule without plastic collar | 0.25 ... 0.34 mm ² |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inch |
| No. of poles | 6 |
| Total number of connection points | 6 |
| Total number of potentials | 6 |
| Number of connection types | 1 |
| Number of levels | 1 |
| Conductor entry direction to mating direction | 0° |

Geometrical Data

| | |
|-------------|----------------------|
| Pin spacing | 2.5 mm / 0.098 inch |
| Width | 17.1 mm / 0.673 inch |
| Height | 11.8 mm / 0.465 inch |
| Depth | 17.1 mm / 0.673 inch |

Plug connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
|------------------------------------|-------------------------|

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

| | |
|---------------------------|----------------|
| Connector connection type | for conductors |
| Mismating protection | Yes |

Material Data

| | |
|-----------------------------|-----------------------------------|
| Color | light gray |
| Material group | I |
| Insulating material | Polyamide 66 (PA 66) |
| Flammability class per UL94 | V0 |
| Clamping spring material | Chrome nickel spring steel (CrNi) |
| Contact material | Copper alloy |
| Contact plating | tin-plated |
| Fire load | 0.048 MJ |
| Weight | 2.7 g |

Environmental Requirements



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

Commercial data

| | |
|--------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918294058 |
| Customs Tariff No. | 85366990990 |




Approvals / Certificates

Country specific Approvals



| Logo | Approval | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA DEKRA Certification B.V. | EN 61984 | 2169534.01 |
| | CCA DEKRA Certification B.V. | IEC 61984 | NL-31141 |
|  | CSA DEKRA Certification B.V. | C22.2 | 1465035 |

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




Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|---|---|--------------------------|--------------------------|
|  | ABS American Bureau of Shipping | - | 19- HG1869876- PDA |
|  | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE000016Z |
|  | LR Lloyds Register | IEC 61984 | 96/20035 (E5) |

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|---|--------------------------|---------------------|
|  | UL UL International Germany GmbH | UL 1977 | E45171 |
|  | UR Underwriters Laboratories Inc. | UL 1059 | 20190122- E45172 |

Counterpart

| | | |
|--|--|--|
|  | Item no.733-206/033-000 1-conductor male connector; 100% protected against mismatching; Strain relief plate; 0.5 mm ² ; Pin spacing 2.5 mm; 6-pole; 0,50 mm ² ; light gray | www.wago.com/733-206/033-000 |
|  | Item no.733-336 THT male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismatching; Pin spacing 2.5 mm; 6-pole; light gray | www.wago.com/733-336 |
|  | Item no.733-206 1-conductor male connector; 100% protected against mismatching; 0.5 mm ² ; Pin spacing 2.5 mm; 6-pole; 0,50 mm ² ; light gray | www.wago.com/733-206 |

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



Item no.733-336/105-604

THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismating; Pin spacing 2.5 mm; 6-pole; black

www.wago.com/733-336/105-604



Item no.733-336/105-604/997-446

THR male header; 0.8 x 0.8 mm solder pin; straight; 100% protected against mismating; in tape-and-reel packaging; Pin spacing 2.5 mm; 6-pole; black

www.wago.com/733-336/105-604/997-446



Item no.733-366/105-604

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; Pin spacing 2.5 mm; 6-pole; black

www.wago.com/733-366/105-604



Item no.733-366/105-604/997-406

THR male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; in tape-and-reel packaging; Pin spacing 2.5 mm; 6-pole; black

www.wago.com/733-366/105-604/997-406



Item no.733-366

THT male header; 0.8 x 0.8 mm solder pin; angled; 100% protected against mismating; Pin spacing 2.5 mm; 6-pole; light gray

www.wago.com/733-366

Compatible products

Marking accessories

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

www.wago.com/210-331/250-202

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

www.wago.com/210-331/250-204

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

www.wago.com/210-331/250-206

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

www.wago.com/210-331/250-207

ferrule

Item no.: 216-131

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

www.wago.com/216-131



Item no.: 216-132

Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated

www.wago.com/216-132

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

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Hansastr. 27






32423 Minden

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| | | |
|--|--|--|
| | Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
| | Item no.: 216-152 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
| | 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.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-302 |
| | Item no.: 216-321 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-321 |
|  | Item no.: 216-322 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-322 |
| Strain relief plate | | |
|  | Item no.: 734-128 Strain relief plate; 12.5 mm wide; light gray | www.wago.com/734-128 |
| tools | | |
|  | Item no.: 210-251 Operating tool; for MCS MICRO & MINI with CAGE CLAMP® connection; yellow | www.wago.com/210-251 |
| | Item no.: 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft | www.wago.com/210-719 |
| | Item no.: 233-331 Operating tool; insulated; yellow | www.wago.com/233-331 |
| | Item no.: 233-332 Operating tool; made of insulating material | www.wago.com/233-332 |
| | Item no.: 233-335 Operating tool | www.wago.com/233-335 |
| | Item no.: 733-130 Operating tool; loose; natural | www.wago.com/733-130 |
|  | Item no.: 733-191 Operating tool; loose; yellow | www.wago.com/733-191 |
| Test Accessories | | |
| | Item no.: 735-500 Test pin; 1 mm Ø; with solder connection for test wire | www.wago.com/735-500 |

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

Downloads

Documentation

Additional Information

| | | | |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf 3.6 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

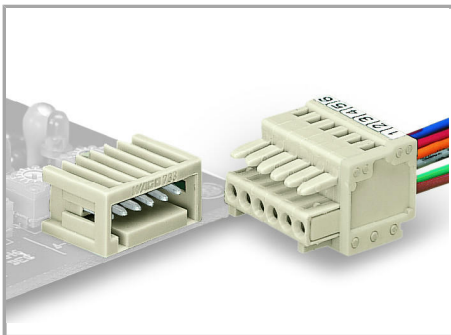
| | | |
|----------------------|-----|----------|
| 2D/3D Models 733-106 | URL | Download |
|----------------------|-----|----------|

CAE data

| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 733-106 | URL | Download |
|---------------------------|-----|----------|

Installation Notes

Protected Against Mismatching

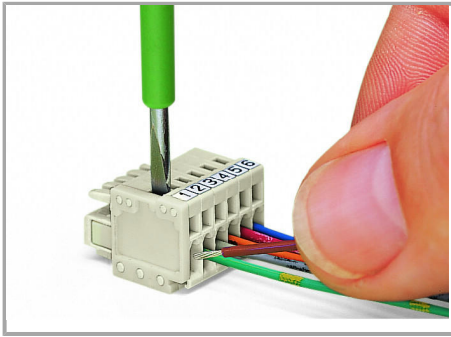


Male headers and female connectors are 100 % protected against mismatching.

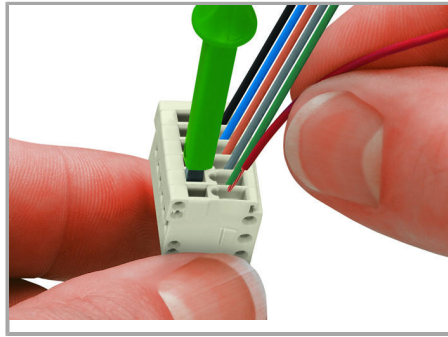
Only mating halves with the same pole number can be connected.

Inserting a conductor

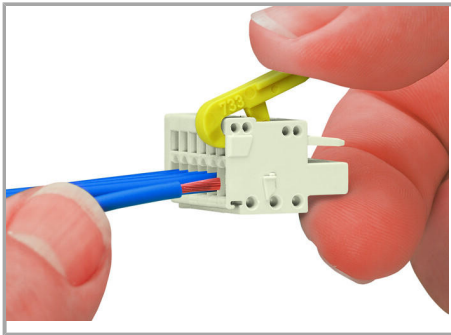
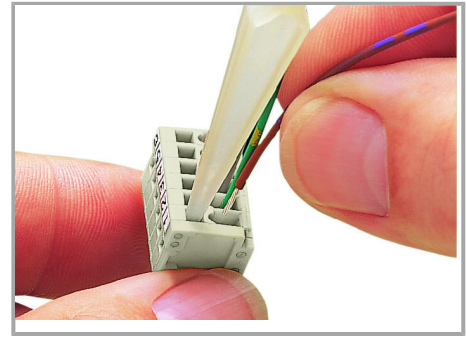
Subject to changes. Please also observe the further product documentation!



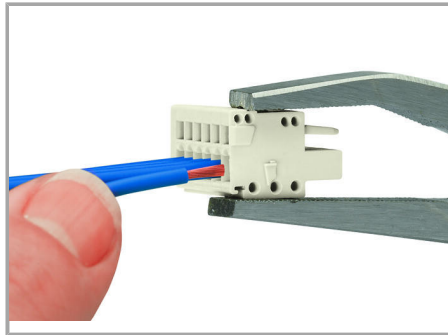
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.

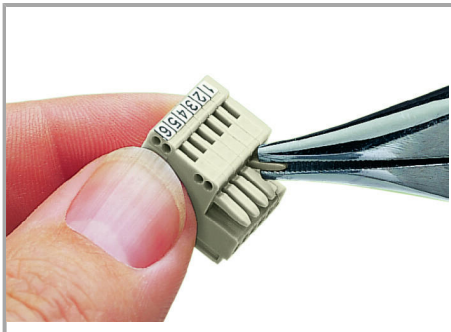


Inserting a conductor via 733-191 Operating Lever.



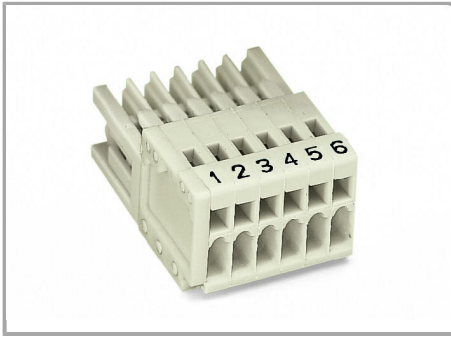
Inserting a conductor via 210-251 Operating Tool.

Coding

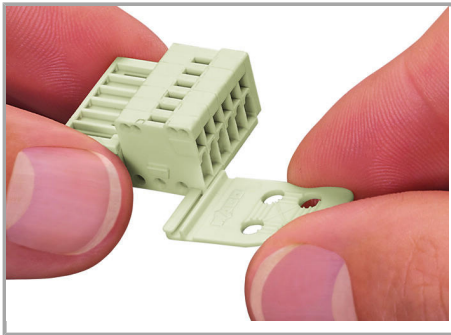


Coding a female connector – removing coding finger(s).

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

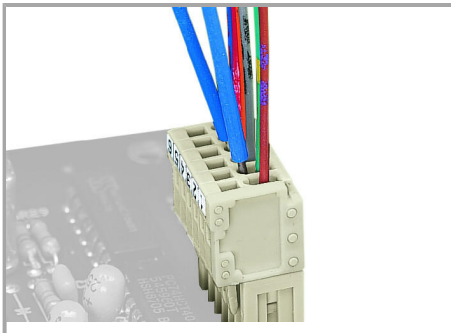


Assembly



Strain relief plates for factory or in-the-field assembly.

Testing



Testing via 1 mm Ø test pin (735-500) – touch contact.

Product family

<i>MCS</i> MICRO

[Learn more about the product family.](#)

[Show all products from the family](#)

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