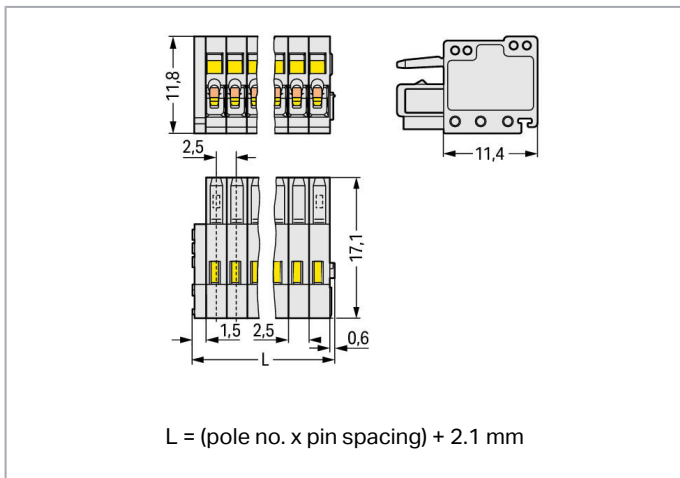
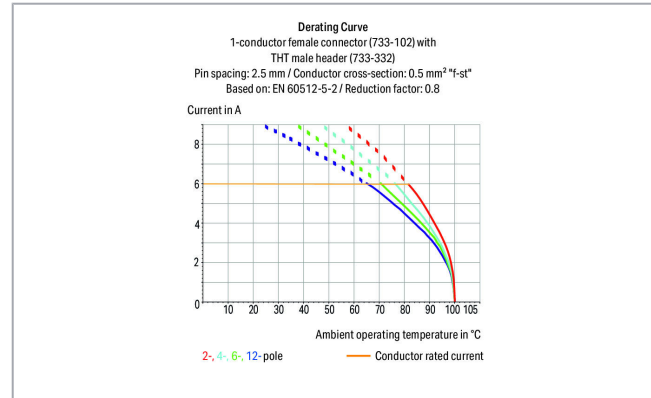
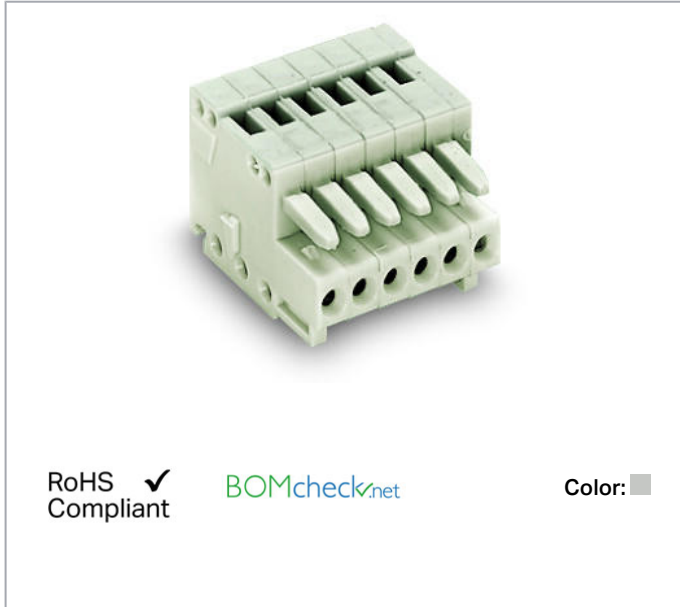


Data sheet | Item number: 733-106

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



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 field assembly
- 100% protected against mismatching

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.

- Coding option available

Safety information 1:

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. 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 |
|-----------------------------|---|
| Nominal voltage (III/3) | 100 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) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

Ratings per UL 1059

| 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

| | |
|---|--|
| 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 insulated ferrule | 0.25 ... 0.34 mm ² |

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



| | |
|---|--------------------------------|
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 0.34 mm ² |
| Strip length | 5 ... 6 mm / 0.2 ... 0.24 inch |
| Pole No. | 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° |

Physical 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-in connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for conductor |
| Mismating protection | Yes |

Material Data

| | |
|-----------------------------|-----------------------------------|
| Color | light gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| 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) |
|---------------|------------------------|

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




| | |
|-----------------------|---------------|
| Packaging type | BOX |
| Country of origin | DE |
| GTIN | 4044918294058 |
| Customs tariff number | 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 |

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 |

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



UR
Underwriters Laboratories Inc.

UL 1059

E45172-
19950922

Counterpart



Item no. 733-206/033-000

1-conductor male connector; 100% protected against mismatching; Strain relief plate; 0.5 mm²; Pin spacing 2.5 mm; 6-pole; 0,50 mm²; 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 mm²; Pin spacing 2.5 mm; 6-pole; 0,50 mm²; light gray

www.wago.com/733-206



Item no. 733-336/105-604

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

www.wago.com/733-366

Compatible products

ferrule



Item no.: 216-131








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

www.wago.com/216-131

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

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Do you have any questions about our products?
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| | | |
|--|--|--|
|  | Item no.: 216-132 Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
|  | 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 |




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 |






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 |

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

| | | |
|--|--|--|
|  | Item no.: 233-332 Operating tool; made of insulating material; white | www.wago.com/233-332 |
|  | Item no.: 233-335 Operating tool; yellow | 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 |
| 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 | Apr 3, 2019 | pdf 3.6 MB | Download |
|------------------------|-------------|---------------|----------|

CAD/CAE-Data

CAD data

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

CAE data

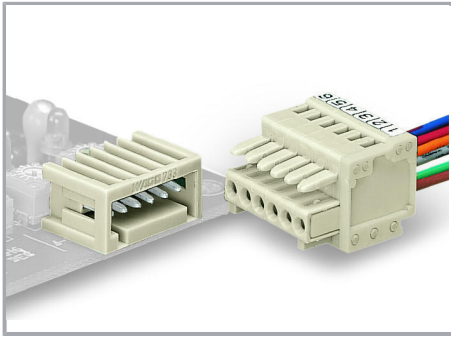
| | | |
|---------------------------|-----|----------|
| EPLAN Data Portal 733-106 | URL | Download |
|---------------------------|-----|----------|

| | | |
|----------------------|-----|----------|
| ZUKEN Portal 733-106 | URL | Download |
|----------------------|-----|----------|

Installation Notes

Mismating protection

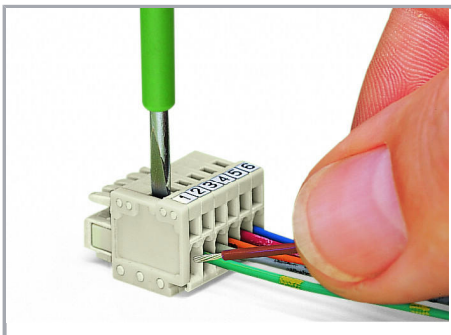
Subject to changes. Please also observe the further product documentation!



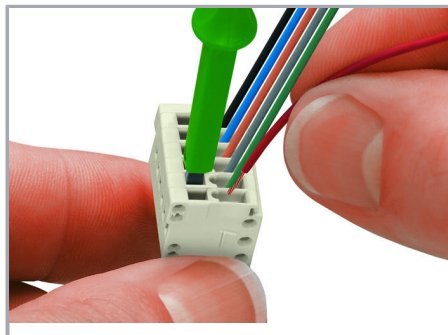
Male headers and female connectors are 100 % protected against mismatching.

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

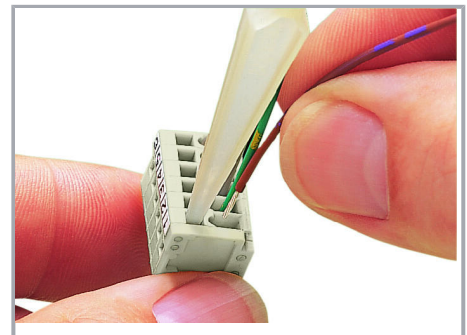
Conductor termination



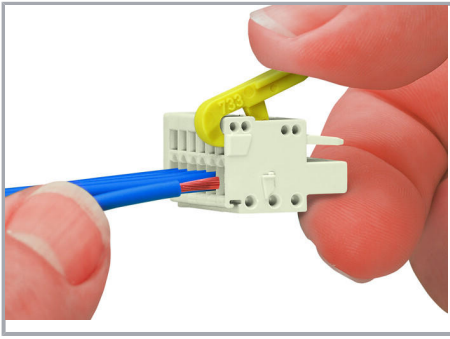
Inserting a conductor via (2.5 x 0.4) mm screwdriver. Operation is performed perpendicular to conductor entry.



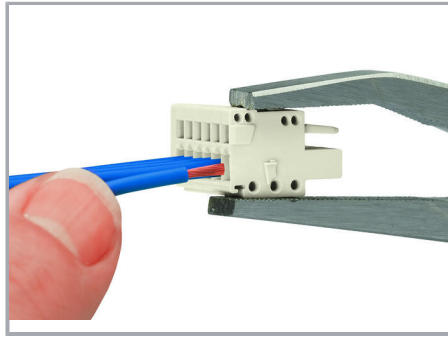
Inserting a conductor via screwdriver (233-335) – CAGE CLAMP® actuation parallel to conductor entry.



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

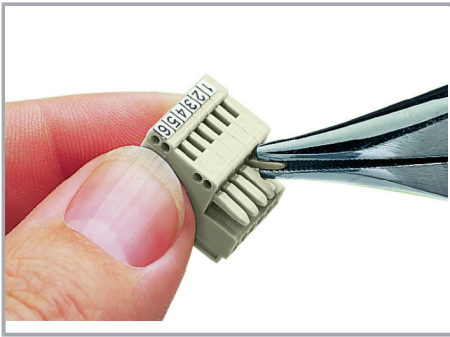


Inserting a conductor via 733-191 Operating Lever.

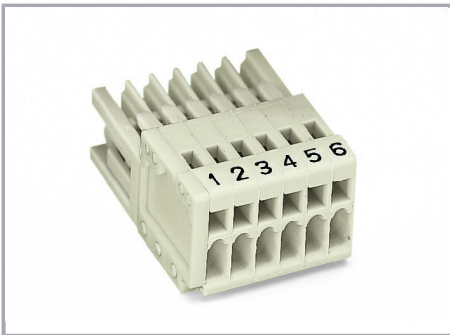


Inserting a conductor via 210-251 Operating Tool.

Coding

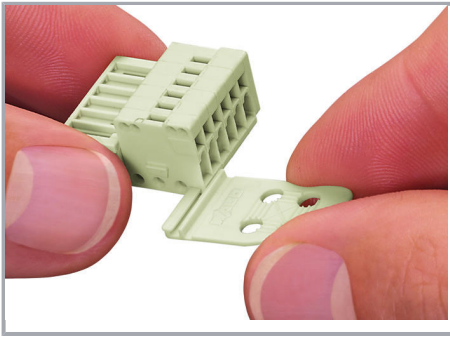


Coding a female connector – removing coding finger(s).



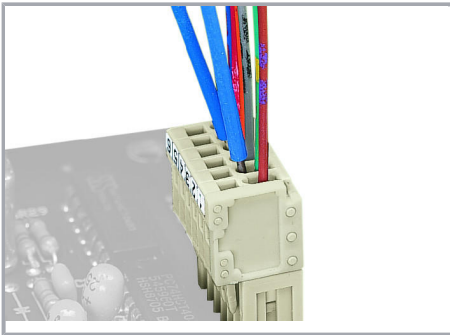
Installation

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



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

Testing



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

Product family

[*MCS*](#) MICRO

[Show all products from the family](#)

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