

Data sheet | Item number: 769-133

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm;
13-pole; coding finger; 4,00 mm²; gray



www.wago.com/769-133



Color:

Data

Notes

Safety information

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or

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

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under load.

Electrical data

Ratings per IEC/EN

| | |
|-------------------------------|---|
| Ratings per | IEC/EN 61984 |
| Nominal voltage (III/3) | 500 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 32 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Connection data

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|----------------------------|----|
| Connection points | 26 |
| Total number of potentials | 13 |

Connection 1

| | |
|---------------------------------|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Nominal cross-section | 4 mm ² / 12 AWG |
| Solid conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 4 mm ² / 28 ... 12 AWG |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Pole number | 13 |
| Wiring direction | Front-entry wiring |

Physical data

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|--------------|------------------------|
| Width | 65 mm / 2.559 inches |
| Height | 45.2 mm / 1.78 inches |
| Depth | 35.9 mm / 1.413 inches |
| Module width | 5 mm / 0.197 inches |

Mechanical Data

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|--|--------------|
| Variable coding | Yes |
| Direct ground contact to DIN-rail/drilled hole/housing | No |
| Marking level | Side marking |

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



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|--------------------------|-----|
| Anti-rotation protection | Yes |
|--------------------------|-----|

Plug-in connection

| | |
|--------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for conductor |
| Mismating protection | No |
| Plugging without loss of pin spacing | Yes |

Material Data

Note (material data)

Information on material specifications can be found here

| | |
|-----------------------------|------------------|
| Color | gray |
| Material group | I |
| Insulation material | Polyamide (PA66) |
| Flammability class per UL94 | V0 |
| Fire load | 1.239 MJ |
| Halogen-free | Yes |
| Weight | 67.5 g |

Environmental requirements

| | |
|----------------------------------|-----------------|
| Processing temperature | -35 ... +85 °C |
| Continuous operating temperature | -60 ... +105 °C |

Commercial data

| | |
|-----------------------|-------------------|
| Product Group | 18 (X-COM-System) |
| eCl@ss 10.0 | 27-14-11-06 |
| eCl@ss 9.0 | 27-14-11-06 |
| ETIM 8.0 | EC001284 |
| ETIM 7.0 | EC001284 |
| PU (SPU) | 5 pcs |
| Packaging type | box |
| Country of origin | PL |
| GTIN | 4044918474375 |
| Customs tariff number | 85366990990 |

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Environmental Product Compliance

RoHS Compliance Status

Compliant, No Exemption

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CCA DEKRA Certification B.V. | EN 61984 | 2190419.02 |
| | CCA DEKRA Certification B.V. | IEC 61984 | NL-47799 /A1 |
| | CCA DEKRA Certification B.V. | EN 60947 | NTR NL- 7626 |
| | CSA CSA Group | C22.2 | 1101144 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 60947 | 2190419.01 |
| | UL Underwriters Laboratories Inc. | UL 1977 | E 45171 |
| | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|------------------|
| | EU-Declaration of Conformity WAGO GmbH & Co. KG | - | - |
| | UK-Declaration of Conformity WAGO GmbH & Co. KG | - | - |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|--------------------------|
| | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |

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Optional accessories

Strain relief

Strain relief

| | |
|---|--|
| Item no.: 769-414 Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 10- to 15-pole; gray | www.wago.com/769-414 |
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Ferrule

Ferrule

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|---|--|
| Item no.: 216-101 Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-101 |
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|---|--|
| Item no.: 216-104 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-104 |
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| Item no.: 216-102 Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-102 |
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| Item no.: 216-103 Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
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| Item no.: 216-203 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |
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| Item no.: 216-206 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; blue | www.wago.com/216-206 |
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| Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
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| Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
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| Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
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| Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |
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|---|--|
| Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; light turquoise | www.wago.com/216-302 |
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Jumpers

Jumper

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|---|--|
| Item no.: 280-402 Jumper; insulated; gray | www.wago.com/280-402 |
|---|--|

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| Item no.: 780-454 Staggered jumper; from 1 to 4; insulated; gray | www.wago.com/780-454 |
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| Item no.: 780-452 Staggered jumper; from 1 to 2; insulated; gray | www.wago.com/780-452 |
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| | |
|--|--|
| Item no.: 780-453 Staggered jumper; from 1 to 3; insulated; gray | www.wago.com/780-453 |
| Item no.: 780-457 Staggered jumper; from 1 to 7; insulated; gray | www.wago.com/780-457 |
| Item no.: 780-456 Staggered jumper; from 1 to 6; insulated; gray | www.wago.com/780-456 |
| Item no.: 780-455 Staggered jumper; from 1 to 5; insulated; gray | www.wago.com/780-455 |
| Item no.: 780-458 Staggered jumper; from 1 to 8; insulated; gray | www.wago.com/780-458 |
| Protective warning marker | |
| Cover | |
| Item no.: 280-415 Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow | www.wago.com/280-415 |
| Testing and measuring | |
| Testing accessories | |
| Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable; red | www.wago.com/210-136 |
| Marking accessories | |
| Marker | |
| Item no.: 2009-145 Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-145 |
| Item no.: 248-501 Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white | www.wago.com/248-501 |
| Locking levers | |
| Locking system | |
| Item no.: 769-430 Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; gray | www.wago.com/769-430 |
| Item no.: 769-431 Locking lever; for female connectors; 1 part; Pin spacing 5 mm; 2-pole; orange | www.wago.com/769-431 |
| Insulation stop | |
| Insulation stop | |
| Item no.: 769-470 Insulation stop; 0.08 - 0.2 mm ² "s" (0.14 mm ² "f-st"); 5 pieces/strip; white | www.wago.com/769-470 |
| Item no.: 769-471 Insulation stop; 0.25 - 0.5 mm ² ; 5 pieces/strip; light gray | www.wago.com/769-471 |
| Item no.: 769-472 Insulation stop; 0.75 - 1 mm ² ; 5 pieces/strip; dark gray | www.wago.com/769-472 |

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



Downloads

Documentation

Bid Text

| | | | |
|------------------------|--------------|---------------|----------|
| 769-133 X81 - Datei | 2019 年2月19 日 | xml 3.3 kB | Download |
|------------------------|--------------|---------------|----------|

| | | | |
|------------------------|--------------|----------------|----------|
| 769-133 doc - Datei | 2017 年10月4 日 | doc 26.6 kB | Download |
|------------------------|--------------|----------------|----------|

Additional Information

| | | | |
|--|--|---------------|----------|
| | | pdf 2.2 MB | Download |
|--|--|---------------|----------|

CAD/CAE-Data

CAE data

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|---------------------------|--|-----|----------|
| EPLAN Data Portal 769-133 | | URL | Download |
|---------------------------|--|-----|----------|

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|------------------------|--|-----|----------|
| WSCAD Universe 769-133 | | URL | Download |
|------------------------|--|-----|----------|

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|----------------------|--|-----|----------|
| ZUKEN Portal 769-133 | | URL | Download |
|----------------------|--|-----|----------|

CAD data

| | | | |
|----------------------|--|-----|----------|
| 2D/3D Models 769-133 | | URL | Download |
|----------------------|--|-----|----------|

Environmental Product Compliance

Compliance Search

| | | | |
|---|--|-----|----------|
| Environmental Product Compliance 769-133 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray | | URL | Download |
|---|--|-----|----------|

Installation Notes

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2-conductor female plugs

- Common signals from one subassembly to the other (bus structure)
- Can be used as a T-wire branch tap connection (e.g. for lighting wiring)
- Enable a higher number of connection possibilities

Conductor termination



CAGE CLAMP® connection

Female plug: Inserting/removing a conductor via operating tool.

Operation 90° to conductor is also possible.

With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross-section.

Commoning

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



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.

Commoning options of female plugs:

- After removal, commoned potentials still remain commoned
- Use of plug-in jumpers instead of additional wired jumpers
- Can be used as a "hardware" key for safety lockout
- Can also be used as a commoning jumper for sensor circuits or machine programming

Coding



Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

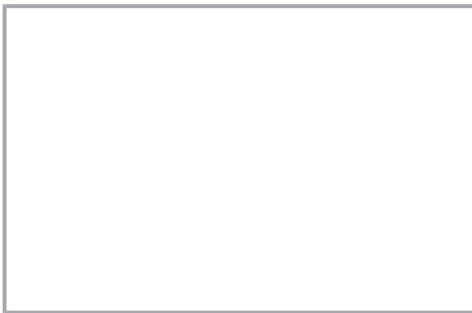
Locking system

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



Locking/releasing a lever.

Strain relief



Removing a female plug via conductor bundle provided with strain relief plate.

Marking



Labeling a female plug with CAGE CLAMP® connection via Mini-WSB Quick Markers.

Product family

X-COM

[Show all products from the family](#)

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