

Data sheet | Item number: 2022-101

1-conductor female connector; Push-in CAGE CLAMP®; 4 mm²; Pin spacing 5.2 mm; 1-pole; 4,00 mm²; gray

www.wago.com/2022-101



Color:

Data

Notes

Safety information

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

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under load.

Electrical data

Ratings per IEC/EN

| | |
|---|---|
| Ratings per | IEC/EN 61984 |
| Nominal voltage (III/3) | 690 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated current | 24 A |
| Current at conductor cross-section (max.) mm ² | 32 A |
| Legend (ratings) | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

Ratings per UL

| | |
|--------------------------------|---------|
| Approvals per | UL 1059 |
| Rated voltage UL (Use Group B) | 600 V |
| Rated current UL (Use Group B) | 20 A |
| Rated voltage UL (Use Group C) | 600 V |
| Rated current UL (Use Group C) | 20 A |

Ratings per CSA

| | |
|---------------------------------|-----------------|
| Approvals per | CSA 22.2 No 158 |
| Rated voltage CSA (Use Group C) | 600 V |
| Rated current CSA (Use Group C) | 20 A |

Connection data

| | |
|----------------------------|---|
| Connection points | 1 |
| Total number of potentials | 1 |

Connection 1

| | |
|--------------------------------------|--|
| Connection technology | Push-in CAGE CLAMP® |
| Actuation type | Operating tool |
| Connectable conductor materials | Copper |
| Nominal cross-section | 2.5 mm ² |
| Solid conductor | 0.25 ... 4 mm ² / 22 ... 12 AWG |
| Solid conductor; push-in termination | 0.75 ... 4 mm ² / 18 ... 12 AWG |
| Fine-stranded conductor | 0.25 ... 4 mm ² / 22 ... 12 AWG |

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



| | |
|--|---|
| Fine-stranded conductor; with insulated ferrule | 0.25 ... 2.5 mm ² / 22 ... 14 AWG |
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2.5 mm ² / 18 ... 14 AWG |
| Note (conductor cross-section) | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |
| Strip length | 10 ... 12 mm / 0.39 ... 0.47 inches |
| Pole number | 1 |
| Wiring direction | Front-entry wiring |

Physical data

| | |
|--------------|------------------------|
| Width | 5.2 mm / 0.205 inches |
| Height | 40.5 mm / 1.594 inches |
| Depth | 22.4 mm / 0.882 inches |
| Module width | 5.2 mm / 0.205 inches |

Mechanical Data

| | |
|--------------------------|--------------|
| Variable coding | Yes |
| Marking level | Side marking |
| 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 | 0.06 MJ |
| Weight | 3.4 g |

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



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) | 200 pcs |
| Packaging type | Box |
| Country of origin | CN |
| GTIN | 4050821242734 |
| Customs tariff number | 85366990990 |

Environmental Product Compliance

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

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CSA DEKRA Certification B.V. | C22.2 No. 158 | 2437422 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71- 101560 |
| | UL 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 | - | - |

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Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|---|--------------------------|--------------------------|
| | ABS American Bureau of Shipping | EN 60947 | 20- HG1941090- PDA |
| | BV Bureau Veritas S.A. | EN 60947 | 38586/B0 BV |
| | DNV GL Det Norske Veritas, Germanischer Lloyd | - | TAE00001V2 |
| | LR Lloyds Register | EN 60947 | 91/20112 (E9) |

Counterpart

| | |
|--|--|
| Item no.2022-1207 1-conductor/1-pin ground carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; green-yellow | www.wago.com/2022-1207 |
| Item no.2022-1201 1-conductor/1-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray | www.wago.com/2022-1201 |
| Item no.2022-1204 1-conductor/1-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; blue | www.wago.com/2022-1204 |
| Item no.2022-1301 2-conductor/1-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray | www.wago.com/2022-1301 |
| Item no.2022-1302 2-conductor/1-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; orange | www.wago.com/2022-1302 |
| Item no.2022-1307 2-conductor/1-pin ground carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; green-yellow | www.wago.com/2022-1307 |
| Item no.2022-1202 1-conductor/1-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; orange | www.wago.com/2022-1202 |
| Item no.2022-1304 2-conductor/1-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; blue | www.wago.com/2022-1304 |
| Item no.2022-1401 2-conductor/2-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; gray | www.wago.com/2022-1401 |
| Item no.2022-1402 | www.wago.com |

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| | |
|--|--|
| 2-conductor/2-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; orange | /2022-1402 |
| Item no.2022-1404 2-conductor/2-pin carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; blue | www.wago.com/2022-1404 |
| Item no.2022-1407 2-conductor/2-pin ground carrier terminal block; 2.5 mm ² ; for DIN-rail 35 x 15 and 35 x 7.5; Push-in CAGE CLAMP®; 2,50 mm ² ; green-yellow | www.wago.com/2022-1407 |
| Item no.2022-1601 2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray | www.wago.com/2022-1601 |
| Item no.2022-1602 2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; orange | www.wago.com/2022-1602 |
| Item no.2022-1604 2-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; blue | www.wago.com/2022-1604 |
| Item no.2022-1607 2-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow | www.wago.com/2022-1607 |
| Item no.2022-1801 4-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; gray | www.wago.com/2022-1801 |
| Item no.2022-1802 4-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; orange | www.wago.com/2022-1802 |
| Item no.2022-1804 4-pin carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; blue | www.wago.com/2022-1804 |
| Item no.2022-1807 4-pin ground carrier terminal block; for DIN-rail 35 x 15 and 35 x 7.5; green-yellow | www.wago.com/2022-1807 |

Optional accessories

Locking levers

Locking system

| | |
|--|--|
| Item no.: 2022-141 Locking lever; gray | www.wago.com/2022-141 |
| Item no.: 2022-142 Locking lever; orange | www.wago.com/2022-142 |

Strain relief

Strain relief plate

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|--|--|
| Item no.: 734-327 Strain relief plate; for female and male connectors; 6 mm wide; 1 part; gray | www.wago.com/734-327 |
|--|--|

Tool

Operating tool

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|--|--|
| Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured | www.wago.com/210-720 |
|--|--|

Marking accessories

Marking strip

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



| | |
|--|--|
| Item no.: 2009-110 Marking strips; for Smart Printer; on reel; not stretchable; plain; snap-on type; white | www.wago.com/2009-110 |
| Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white | www.wago.com/210-831 |
| Item no.: 210-833 Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white | www.wago.com/210-833 |
| Item no.: 210-834 Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white | www.wago.com/210-834 |
| Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white | www.wago.com/210-832 |
| Label | |
| Item no.: 210-805 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white | www.wago.com/210-805 |
| Item no.: 210-805/000-002 Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow | www.wago.com/210-805/000-002 |
| Marker | |
| Item no.: 2009-115 WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/2009-115 |
| Item no.: 793-5501 WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white | www.wago.com/793-5501 |
| Ferrule | |
| Ferrule | |
| Item no.: 216-241 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white | www.wago.com/216-241 |
| Item no.: 216-242 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray | www.wago.com/216-242 |
| Item no.: 216-243 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-243 |
| Item no.: 216-244 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black | www.wago.com/216-244 |
| Item no.: 216-263 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red | www.wago.com/216-263 |
| Item no.: 216-246 Ferrule; Sleeve for 2.5 mm ² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue | www.wago.com/216-246 |
| Item no.: 216-266 | |

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Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

www.wago.com/216-266

Item no.: 216-264

Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black

www.wago.com/216-264

Item no.: 216-286

Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue

www.wago.com/216-286

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

www.wago.com/216-262

Protective warning marker

Cover

Item no.: 2002-115

Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

www.wago.com/2002-115

Insulation stop

Insulation stop

Item no.: 2002-171

Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray

www.wago.com/2002-171

Item no.: 2002-172

Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

www.wago.com/2002-172

Downloads

Documentation

Bid Text

| | | | |
|--------------------------|--------------|-----------------|----------|
| 2022-101 X81 - Datei | 2019 年5月15 日 | xml 4.2 kB | Download |
| 2022-101 docx - Datei | 2019 年5月14 日 | docx 15.5 kB | Download |

Additional Information

pdf
2.3 MB
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CAD/CAE-Data

CAD data

| | | |
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| 2D/3D Models 2022-101 | URL | Download |
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CAE data

| | | |
|----------------------------|---------------------|--------------------------|
| EPLAN Data Portal 2022-101 | URL | Download |
| WSCAD Universe 2022-101 | URL | Download |
| ZUKEN Portal 2022-101 | URL | Download |

Environmental Product Compliance

Compliance Search

| | | |
|---|---------------------|--------------------------|
| Environmental Product Compliance 2022-101 | URL | Download |
| 1-conductor female connector; Push-in CAGE CLAMP®; 4 mm ² ; Pin spacing 5.2 mm; 1-pole; 4,00 mm ² ; gray | | |

Installation Notes

Coding



Insert coding pin into the corresponding slot and twist it off.



Coding a female plug: remove coding finger using a suitable tool.

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

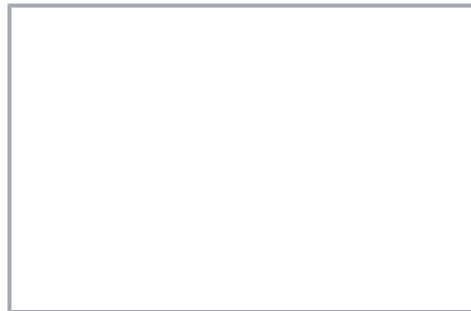


Insert coded female plug into X-COM[®]S-SYSTEM terminal block assembly.

Locking system



Slide the locking lever into position.



Female plugs can be individually locked.

Product family

X-COM S

[Show all products from the family](#)

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