

Data sheet | Item number: 723-602

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm;
2-pole; 100% protected against mismatching; 2,50 mm²; light gray

www.wago.com/723-602



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

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Email: info.de@wago.com | Web: www.wago.com

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Dimensions in mm

$$L_1 = (\text{pole no.} - 1) \times \text{pin spacing} + 8.2 \text{ mm}$$

$$L_2 = L_1 - 1.7 \text{ mm}$$

$$L_3 = L_1 - 1.2 \text{ mm}$$

Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- For wire-to-wire and board-to-wire connections

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



- Versions available with snap-in mounting feet or flanges for panel or through-panel mounting
- 3- to 5-pole male connectors are also available with preceding ground contact
- 100 % protected against mismatching
- With coding fingers

Data

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
Gold-plated or partially gold-plated contact surfaces
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) | 500 V |
| Rated impulse voltage (III/3) | 6 kV |
| Rated voltage (III/2) | 630 V |
| Rated impulse voltage (III/2) | 6 kV |
| Nominal voltage (II/2) | 1000 V |
| Rated surge voltage (II/2) | 6 kV |
| Rated current | 12 A |
| Legend (ratings) | (III / 2) ≙ 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) | 15 A |
| Rated voltage UL (Use Group D) | 300 V |
| Rated current UL (Use Group D) | 10 A |

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Ratings per UL 1977

| | |
|-------------------------|-------|
| Rated voltage (UL 1977) | 600 V |
| Rated current UL 1977 | 15 A |

Ratings per CSA

| | |
|---------------------------------|-------|
| Approvals per | CSA |
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 15 A |
| Rated voltage CSA (Use Group D) | 300 V |
| Rated current CSA (Use Group D) | 10 A |

Connection data

| | |
|----------------------------|---|
| Connection points | 2 |
| Total number of potentials | 2 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|---|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| Actuation direction 1 | Operation parallel to conductor entry |
| Actuation direction 2 | Operation perpendicular to conductor entry |
| Solid conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor | 0.08 ... 2.5 mm ² / 28 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 0.25 ... 1.5 mm ² |
| Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm ² |
| Strip length | 8 ... 9 mm / 0.31 ... 0.35 inches |
| Pole number | 2 |
| Conductor entry direction to mating direction | 0° |

Physical data

| | |
|-------------|------------------------|
| Pin spacing | 7.5 mm / 0.295 inches |
| Width | 15.7 mm / 0.618 inches |
| Height | 14.3 mm / 0.563 inches |
| Depth | 27.5 mm / 1.083 inches |

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Mechanical Data

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

Plug-in connection

| | |
|--------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type) | for conductor |
| Mismating protection | Yes |
| Plugging without loss of pin spacing | No |
| Locking of plug-in connection | none |

Material Data

| | |
|-----------------------------|--|
| Note (material data) | Information on material specifications can be found here |
| 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 | Electrolytic copper (E _{Cu}) |
| Contact plating | Tin |
| Fire load | 0.076 MJ |
| Weight | 3.7 g |

Environmental requirements

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

Commercial data

| | |
|---------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| eCl@ss 10.0 | 27-44-03-09 |
| eCl@ss 9.0 | 27-44-03-09 |
| ETIM 8.0 | EC002638 |
| ETIM 7.0 | EC002638 |
| PU (SPU) | 100 pcs |

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



| | |
|-----------------------|---------------|
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918265058 |
| Customs tariff number | 85366930000 |

Environmental Product Compliance

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

Approvals / Certificates

General approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--|--------------------------|------------------|
| | CB DEKRA Certification B.V. | IEC 61984 | NL-39756 /A1 |
| | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 71-121453 |
| | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |
| | UR Underwriters Laboratories Inc. | UL 1977 | E 45171 |

Declarations of conformity and manufacturer's declarations

| Logo | Approval | Additional Approval Text | Certificate name |
|------|--------------------------------------|--------------------------|------------------|
| | Railway WAGO GmbH & Co. KG | - | Railway Ready |

Approvals for marine applications

| Logo | Approval | Additional Approval Text | Certificate name |
|------|------------------------------|--------------------------|------------------|
| | LR Lloyds Register | IEC 61984 | 96/20035 (E5) |

Counterpart

Item no.2721-202/008-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray

www.wago.com/2721-202/008-000

Item no.2721-202/026-000

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; 2,50 mm²; light gray

www.wago.com/2721-202/026-000

Item no.2721-202/037-000

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| | |
|--|---|
| 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray | www.wago.com /721-202/037-000 |
| Item no.721-202/031-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray | www.wago.com /721-202/031-000 |
| Item no.721-202/026-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; 2,50 mm²; light gray | www.wago.com /721-202/026-000 |
| Item no.721-202/008-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray | www.wago.com /721-202/008-000 |
| Item no.721-202/031-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray | www.wago.com /721-202/031-000 |
| Item no.721-202/026-047 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; direct marking; 2,50 mm²; light gray | www.wago.com /721-202/026-047 |
| Item no.721-202/037-000 1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray | www.wago.com /721-202/037-000 |
| Item no.721-2202/026-000 2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; with integrated end plate; 2,50 mm²; light gray | www.wago.com /721-2202/026-000 |
| Item no.721-2202/037-000 2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Lateral locking levers; 2,50 mm²; light gray | www.wago.com /721-2202/037-000 |
| Item no.721-332/008-000 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Snap-in mounting feet; 2,50 mm²; light gray | www.wago.com /721-332/008-000 |
| Item no.721-332/031-000 1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; clamping collar; 2,50 mm²; light gray | www.wago.com /721-332/031-000 |
| Item no.722-732/031-000 THT female header; straight; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray | www.wago.com /722-732/031-000 |
| Item no.722-732 THT female header; straight; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray | www.wago.com /722-732 |
| Item no.722-732/039-000 THT female header; straight; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray | www.wago.com /722-732/039-000 |
| Item no.722-732/047-000 THT female header; straight; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Spacer flange; 0.6 x 1.0 mm solder pin; light gray | www.wago.com /722-732/047-000 |
| Item no.722-832 THT female header; angled; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; 0.6 x 1.0 mm solder pin; light gray | www.wago.com /722-832 |

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

**Item no.722-832/039-000**

THT female header; angled; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; Locking lever; 0.6 x 1.0 mm solder pin; light gray

[www.wago.com /722-832/039-000](http://www.wago.com/722-832/039-000)

Item no.722-832/031-000

THT female header; angled; Pin spacing 7.5 mm; 2-pole; 100% protected against mismatching; clamping collar; 0.6 x 1.0 mm solder pin; light gray

[www.wago.com /722-832/031-000](http://www.wago.com/722-832/031-000)

Optional accessories**Cover**

Cover

Item no.: 231-668

Lockout caps; for covering unused clamping units; gray

www.wago.com/231-668

Tool

Operating tool

Item no.: 231-159

Operating tool; natural

www.wago.com/231-159

Item no.: 231-231

Combination operating tool; red

www.wago.com/231-231

Item no.: 231-131

Operating tool; made of insulating material; 1-way; loose; white

www.wago.com/231-131

Item no.: 231-291

Operating tool; made of insulating material; 1-way; loose; red

www.wago.com/231-291

Marking accessories

Marking strip

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

Coding

Coding

Item no.: 231-130

Coding key; snap-on type; light gray

www.wago.com/231-130

Insulation stop

Insulation stop

Item no.: 231-673

Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white

www.wago.com/231-673

Item no.: 231-674

Insulation stop; 0.25 - 0.5 mm²; light gray

www.wago.com/231-674

Item no.: 231-675

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Insulation stop; 0.75 - 1 mm²; dark graywww.wago.com/231-675

| Ferrule | | |
|--------------------------|--|--|
| Ferrule | | |
| Item no.: 216-101 | Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-101 |
| Item no.: 216-104 | Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-104 |
| Item no.: 216-106 | Ferrule; Sleeve for 2.5 mm ² / AWG 14; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-106 |
| Item no.: 216-102 | Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-102 |
| Item no.: 216-103 | Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated | www.wago.com/216-103 |
| Item no.: 216-123 | Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-123 |
| Item no.: 216-122 | Ferrule; Sleeve for 0.75 mm ² / AWG 20; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-122 |
| Item no.: 216-124 | Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated | www.wago.com/216-124 |
| Item no.: 216-142 | Ferrule; Sleeve for 0.75 mm ² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-142 |
| Item no.: 216-132 | Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-132 |
| Item no.: 216-121 | Ferrule; Sleeve for 0.5 mm ² / AWG 22; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-121 |
| Item no.: 216-143 | Ferrule; Sleeve for 1 mm ² / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-143 |
| Item no.: 216-131 | Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated; silver-colored | www.wago.com/216-131 |
| Item no.: 216-141 | Ferrule; Sleeve for 0.5 mm ² / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92 | www.wago.com/216-141 |
| Item no.: 216-152 | Ferrule; Sleeve for 0.34 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-152 |
| Item no.: 216-203 | Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-203 |

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



| | |
|---|--|
| Item no.: 216-202 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-202 |
| Item no.: 216-151 Ferrule; Sleeve for 0.25 mm ² / AWG 24; uninsulated; electro-tin plated | www.wago.com/216-151 |
| Item no.: 216-204 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-204 |
| Item no.: 216-144 Ferrule; Sleeve for 1.5 mm ² / AWG 16; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored | www.wago.com/216-144 |
| Item no.: 216-201 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-201 |
| Item no.: 216-223 Ferrule; Sleeve for 1 mm ² / AWG 18; insulated; electro-tin plated; red | www.wago.com/216-223 |
| 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.: 216-222 Ferrule; Sleeve for 0.75 mm ² / 18 AWG; insulated; electro-tin plated; gray | www.wago.com/216-222 |
| Item no.: 216-221 Ferrule; Sleeve for 0.5 mm ² / 20 AWG; insulated; electro-tin plated; white | www.wago.com/216-221 |
| Item no.: 216-224 Ferrule; Sleeve for 1.5 mm ² / AWG 16; insulated; electro-tin plated; black | www.wago.com/216-224 |
| 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.: 216-264 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/216-264 |
| Item no.: 216-262 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/216-262 |
| Item no.: 216-301 Ferrule; Sleeve for 0.25 mm ² / AWG 24; insulated; electro-tin plated; yellow | www.wago.com/216-301 |

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



Item no.: 216-321

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

www.wago.com/216-321

Item no.: 216-322

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

www.wago.com/216-322

Item no.: 216-302

Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise

www.wago.com/216-302

Downloads

Documentation

Additional Information

2019 年4月3日

pdf
2.0 MB

Download

CAD/CAE-Data

CAD data

2D/3D Models 723-602

URL

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CAE data

EPLAN Data Portal 723-602

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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 723-602

URL

Download

1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 2-pole;
100% protected against mismatching; 2,50 mm²; light gray

Installation Notes

Conductor termination

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

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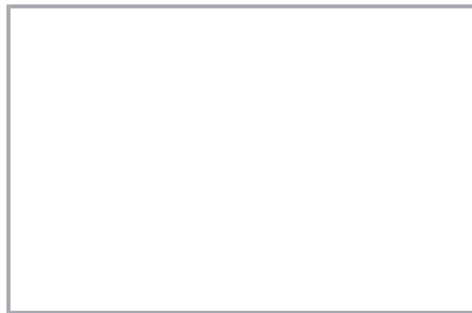
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Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation parallel to conductor entry.

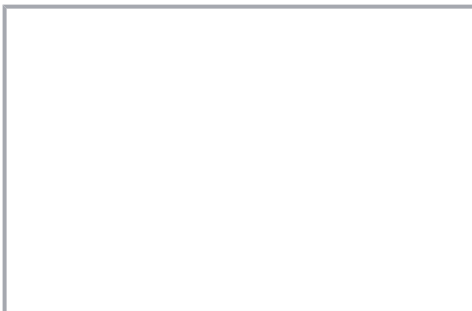


Inserting a conductor via 3.5 mm screwdriver – CAGE CLAMP® actuation perpendicular to conductor entry.



Inserting a conductor via operating tool.

Testing



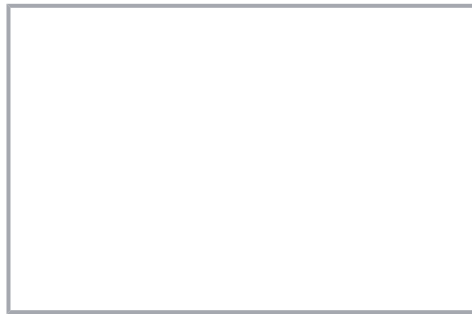
Testing perpendicular to conductor entry with 2 or 2.3 mm Ø test plug – female connector with CAGE CLAMP® – via integrated test ports

Installation

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

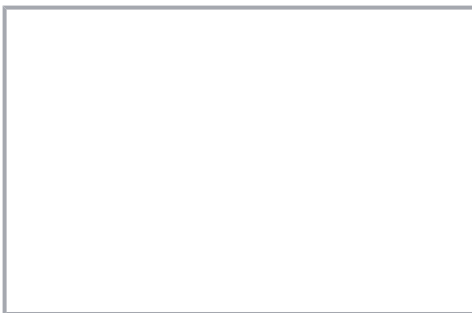


Male connector with strain relief plate



Strain relief housing shown with a male connector equipped with CAGE CLAMP®

Coding



Coding a male header – fitting coding key(s).

Product family

MCS MIDI

[Show all products from the family](#)

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