

Data sheet | Item number: 231-204/026-000

Female plug; 4-pole; 12 AWG max; pin spacing 7.5 mm; 1 conductor per pole; gray



www.wago.com/231-204_026-000



i Picture differs from the item.

Color:



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

WAGO Corporation
Germantown, WI 53022
Phone: 1-800-DIN-RAIL (346-7245) | Fax: (262) 255-6222
Email: info.us@wago.com | Web: www.wago.us

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5 \text{ mm} + 1.5 \text{ mm}$

2- to 3-pole female connectors – one latch only

Item description

- Universal connection for all conductor types
- Easy cable pre-assembly and on-unit wiring via vertical and horizontal CAGE CLAMP® actuation
- Integrated test ports
- With coding fingers

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Data Notes

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.

Variants:

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

IEC Approvals

| Ratings per | IEC/EN 60664-1 |
|-----------------------------|---|
| Rated voltage (III / 3) | 500 V |
| Rated surge voltage (III/3) | 6 kV |
| Rated voltage (III/2) | 630 V |
| Rated surge voltage (III/2) | 6 kV |
| Nominal voltage (II/2) | 1000 V |
| Rated surge voltage (II/2) | 6 kV |
| Rated current | 16 A |
| Legend (ratings) | (III / 2) $\hat{=}$ Overvoltage category III / Pollution degree 2 |

UL Approvals

| 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 |

Ratings per UL

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

CSA Approvals

| Approvals per | CSA |
|---------------|-----|
|---------------|-----|

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

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| | |
|---------------------------------|-------|
| 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

| | |
|-----------------------------------|---|
| Total number of connection points | 4 |
| Total number of potentials | 4 |
| Number of connection types | 1 |
| Number of levels | 1 |

Connection 1

| | |
|---|--|
| Connection technology | CAGE CLAMP® |
| Actuation type | Operating tool |
| 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 inch |
| Number of poles | 4 |
| Conductor entry direction to mating direction | 0° |

Physical data

| | |
|-------------|-----------------------|
| Pin spacing | 7.5 mm / 0.295 inch |
| Width | 29 mm / 1.142 inch |
| Height | 14.3 mm / 0.563 inch |
| Depth | 26.45 mm / 1.041 inch |

Plug-in connection

| | |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type) | for conductor |
| Mismating protection | No |
| Locking of plug-in connection | Without |

Material data

| | |
|-------|------|
| Color | gray |
|-------|------|

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

| | |
|-----------------------------|-----------------------------------|
| 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 | 0.134 MJ |
| Weight | 8.3 g |

Environmental requirements

| | |
|-------------------------|----------------|
| Limit temperature range | -60 ... +85 °C |
|-------------------------|----------------|

Commercial data

| | |
|-----------------------|------------------------|
| Product Group | 3 (Multi Conn. System) |
| PU (SPU) | 50 Stück |
| Packaging type | box |
| Country of origin | DE |
| GTIN | 4044918344029 |
| Customs tariff number | 8536694040 |

Approvals / Certificates

Country specific Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--|--------------------------|------------------|
| | CB DEKRA Certification B.V. | IEC 61984 | NL-39756 |
|  | CSA DEKRA Certification B.V. | C22.2 | 1466354 |
|  | KEMA/KEUR DEKRA Certification B.V. | EN 61984 | 2190761.01 |

Ship Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|------|------------|--------------------------|------------------|
| | ABS | - | 19- |

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



American Bureau of Shipping

HG1869876-PDA



BV
Bureau Veritas S.A.

IEC 60998



11915/DO
BV

DNV GL
Det Norske Veritas, Germanischer Lloyd

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TAE000016Z

UL-Approvals

| Logo | Approval | Additional Approval Text | Certificate name |
|--|--------------------------------------|--------------------------|------------------|
|  | UR Underwriters Laboratories Inc. | UL 1059 | E45172 |
|  | UR Underwriters Laboratories Inc. | UL 1977 | E 45171 |

Counterpart



Item no.231-234/001-000
Male header; 4-pole; THT; 1.0 x 1.0 mm solder pin; straight; pin spacing 7.5 mm; gray

www.wago.com/231-234/001-000



Item no.231-234/001-000/105-604
Male header; 4-pole; THR; 1.0 x 1.0 mm solder pin; straight; pin spacing 7.5 mm; black

www.wago.com/231-234/001-000/105-604



Item no.231-264/001-000
Male header; 4-pole; THT; 1.2 x 1.2 mm solder pin; straight; pin spacing 7.5 mm; gray

www.wago.com/231-264/001-000



Item no.231-234/001-000/105-604/997-407
Male header; 4-pole; THR; 1.0 x 1.0 mm solder pin; straight; pin spacing 7.5 mm; in tape-and-reel packaging; black

www.wago.com/231-234/001-000/105-604/997-407



Item no.231-264/001-000/105-604
Male header; 4-pole; THR; 1.2 x 1.2 mm solder pin; straight; pin spacing 7.5 mm; black

www.wago.com/231-264/001-000/105-604

Item no.231-264/001-000/105-604/997-407

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



Male header; 4-pole; THR; 1.2 x 1.2 mm solder pin; straight; pin spacing 7.5 mm; in tape-and-reel packaging; black www.wago.com/231-264/001-000/105-604/997-407



Item no.231-834/001-000/105-604
THR male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 4-pole; black www.wago.com/231-834/001-000/105-604



Item no.231-834/001-000
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 7.5 mm; 4-pole; gray www.wago.com/231-834/001-000



Item no.231-864/001-000/105-604
THR male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 7.5 mm; 4-pole; black www.wago.com/231-864/001-000/105-604



Item no.231-834/001-000/105-604/997-407
THR male header; 1.0 x 1.0 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 7.5 mm; 4-pole; black www.wago.com/231-834/001-000/105-604/997-407



Item no.231-864/001-000/105-604/997-407
THR male header; 1.2 x 1.2 mm solder pin; angled; in tape-and-reel packaging; Pin spacing 7.5 mm; 4-pole; black www.wago.com/231-864/001-000/105-604/997-407



Item no.231-864/001-000
THT male header; 1.2 x 1.2 mm solder pin; angled; Pin spacing 7.5 mm; 4-pole; gray www.wago.com/231-864/001-000



Item no.232-564/007-000
Double pin header; DIN-35 rail mounting; 4-pole; Pin spacing 7.5 mm; gray www.wago.com/232-564/007-000



Item no.731-604
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 2,50 mm²; gray www.wago.com/731-604



Item no.731-604/018-000
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; Snap-in mounting feet; 2,50 mm²; gray www.wago.com/731-604/018-000



Item no.731-604/019-000
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; clamping collar; 2,50 mm²; gray www.wago.com/731-604/019-000



Item no.731-604/114-000
1-conductor male connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; Snap-in flange; 2,50 mm²; gray www.wago.com/731-604/114-000
















Optional accessories

Tools

Operating tool



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

| | | |
|---|---|---|
| | <p>Item no.: 210-657 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; short; multicoloured</p> | <p>www.wago.com/210-657</p> |
|  | <p>Item no.: 210-720 Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft; multicoloured</p> | <p>www.wago.com/210-720</p> |
|  | <p>Item no.: 231-131 Operating tool; made of insulating material; 1-way; loose; white</p> | <p>www.wago.com/231-131</p> |
|  | <p>Item no.: 231-291 Operating tool; made of insulating material; 1-way; loose; red</p> | <p>www.wago.com/231-291</p> |
| Strain relief | | |
| Strain relief housing | | |
|  | <p>Item no.: 232-664 Strain relief housing; gray</p> | <p>www.wago.com/232-664</p> |
| Ferrules | | |
| Ferrule | | |
|  | <p>Item no.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</p> | <p>www.wago.com/216-101</p> |
|  | <p>Item no.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored</p> | <p>www.wago.com/216-104</p> |
|  | <p>Item no.: 216-106 Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored</p> | <p>www.wago.com/216-106</p> |
|  | <p>Item no.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</p> | <p>www.wago.com/216-102</p> |
|  | <p>Item no.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated</p> | <p>www.wago.com/216-103</p> |
|  | <p>Item no.: 216-123 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated; silver-colored</p> | <p>www.wago.com/216-123</p> |
|  | <p>Item no.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored</p> | <p>www.wago.com/216-122</p> |
|  | <p>Item no.: 216-124 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated</p> | <p>www.wago.com/216-124</p> |
|  | <p>Item no.: 216-142 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p> | <p>www.wago.com/216-142</p> |
|  | <p>Item no.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated</p> | <p>www.wago.com/216-132</p> |
|  | <p>Item no.: 216-121</p> | |










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



| | | |
|--|---|--|
| | 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 |
| | 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; | www.wago.com/216-243 |

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

acc. to DIN 46228, Part 4/09.90; red

| | | |
|---|--|--|
|  | 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.: 216-284 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/216-284 |
|  | 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 |
|  | 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 |
|  | Item no.: 216-302 Ferrule; Sleeve for 0.34 mm ² / 22 AWG; insulated; electro-tin plated; green | www.wago.com/216-302 |

Marking accessories

Marking strip

| | | |
|--|--|--|
| | Item no.: 210-331/750-202 Marking strips; as a DIN A4 sheet; MARKED; 1-16 (100x); Height of marker strip: 2.3 mm/0.091 in; Strip length 182 mm; Horizontal marking; Self-adhesive; white | www.wago.com/210-331/750-202 |
| | Item no.: 210-332/750-020 Marking strips; as a DIN A4 sheet; MARKED; 1-20 (80x); Height of marker strip: 3 mm; Strip length 182 mm; Horizontal marking; Self-adhesive; white | www.wago.com/210-332/750-020 |

Cover

Cover

| | | |
|--|--|--|
|  | Item no.: 231-668 Lockout caps; for covering unused clamping units; gray | www.wago.com/231-668 |
|--|--|--|

Testing accessories

Testing accessories

| | | |
|--|--|--|
|  | Item no.: 210-136 Test plug; 2 mm Ø; with 500 mm cable | www.wago.com/210-136 |
|--|--|--|

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



Item no.: 231-662

Test plugs for female connectors; for 7.5 mm and 7.62 mm pin spacing; 2,50 mm²; light gray

www.wago.com/231-662

Insulations stops

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

Insulation stop; 0.75 - 1 mm²; dark gray

www.wago.com/231-675

Downloads

Documentation

Additional Information

Technical explanations

2019 Apr 3

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CAD files

CAD data

2D/3D Models 231-204/026-000

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Environmental Product Compliance 231-204/026-000

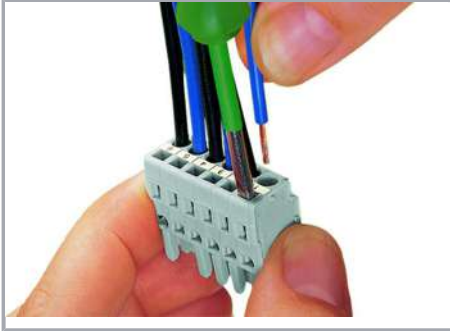
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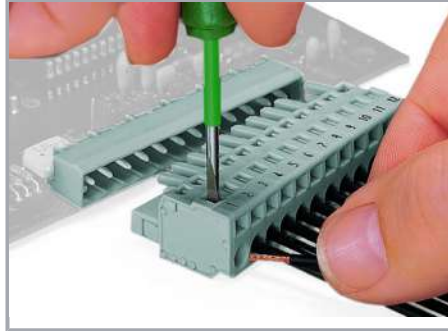
Subject to changes. Please also observe the further product documentation!

1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 4-pole; 2,50 mm²; gray

Installation Notes



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 into CAGE CLAMP® unit via operating lever (231-291).



Inserting a conductor via operating tool.

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



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



Testing – female connector with CAGE CLAMP®

Integrated test ports for testing perpendicular to conductor entry via 2 or 2.3 mm Ø test plug

Installation



Male connector with strain relief plate



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

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



Labeling via direct marking or self-adhesive strips.

Product family

MCS MIDI Classic

[Show all products from the family](#)

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