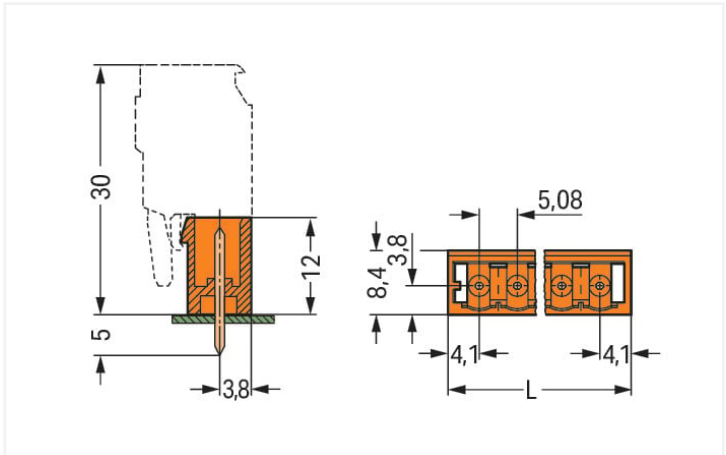


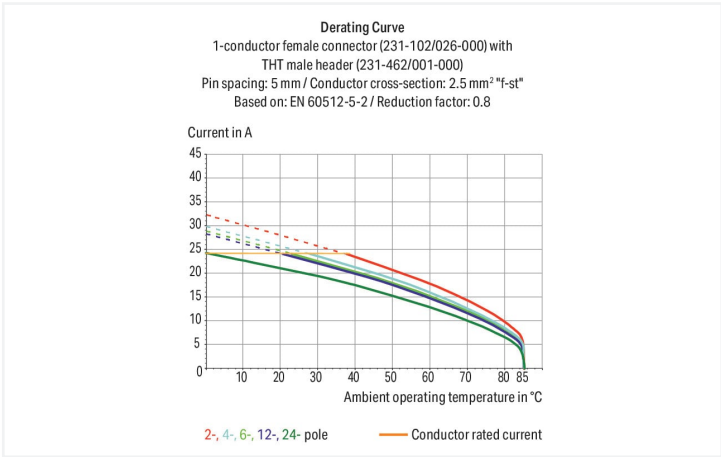


Color: ■ orange

Similar to illustration



Dimensions in mm  
L = (pole no. – 1) x pin spacing + 8.2 mm



- Horizontal or vertical PCB mounting via straight or angled solder pins
- Pin cross-section: 1 x 1 mm
- With coding fingers

Notes

Safety information

Variants:

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.

Other pole numbers  
3.8 mm pin projection for male headers with straight solder pins  
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 60664-1 |       |
| Overvoltage category |  | III            | II    |
| Pollution degree     |  | 3              | 2     |
| Nominal voltage      |  | 320 V          | 630 V |
| Rated surge voltage  |  | 4 kV           | 4 kV  |
| Rated current        |  | 12 A           | 12 A  |
| Approvals per        |  | UL 1059        |       |
| Use group            |  | B              | D     |
| Rated voltage        |  | 300 V          | 300 V |
| Rated current        |  | 10 A           | 10 A  |



| Approvals per |  | UL 1977 |
|---------------|--|---------|
| Rated voltage |  | 600 V   |
| Rated current |  | 10 A    |

| Approvals per |  | CSA   |   |       |
|---------------|--|-------|---|-------|
| Use group     |  | B     | C | D     |
| Rated voltage |  | 300 V | - | 300 V |
| Rated current |  | 10 A  | - | 10 A  |

| Connection data            |   |              |   |  |
|----------------------------|---|--------------|---|--|
| Total number of potentials | 7 | Connection 1 |   |  |
| Number of connection types | 1 | Pole number  | 7 |  |
| Number of levels           | 1 |              |   |  |

| Physical data                        |                         |
|--------------------------------------|-------------------------|
| Pin spacing                          | 5.08 mm / 0.2 inches    |
| Width                                | 38.68 mm / 1.523 inches |
| Height                               | 17 mm / 0.669 inches    |
| Height from the surface              | 12 mm / 0.472 inches    |
| Depth                                | 8.4 mm / 0.331 inches   |
| Solder pin length                    | 5 mm                    |
| Solder pin dimensions                | 1 x 1 mm                |
| Drilled hole diameter with tolerance | 1.4 (+0.1) mm           |

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

| Plug-in connection                 |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCB             |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 90 °                |

| PCB contact                         |                                          |
|-------------------------------------|------------------------------------------|
| PCB contact                         | THT                                      |
| Solder pin arrangement              | over the entire male connector (in-line) |
| Number of solder pins per potential | 1                                        |

| Material data               |                                                                                                                        |
|-----------------------------|------------------------------------------------------------------------------------------------------------------------|
| Note (material data)        | <a href="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | orange                                                                                                                 |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Contact material            | Electrolytic copper (E <sub>Cu</sub> )                                                                                 |
| Contact plating             | Tin                                                                                                                    |
| Fire load                   | 0.042 MJ                                                                                                               |
| Weight                      | 2.3 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           | 27-44-04-02            |
| eCl@ss 9.0            | 27-44-04-02            |
| ETIM 8.0              | EC002637               |
| ETIM 7.0              | EC002637               |
| PU (SPU)              | 100 pcs                |
| Packaging type        | Box                    |
| Country of origin     | PL                     |
| GTIN                  | 4044918865425          |
| Customs tariff number | 85366930000            |

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

Approvals / Certificates

| General approvals                                                                  |           |                  | Declarations of conformity and manufacturer's declarations                          |          |                  |
|------------------------------------------------------------------------------------|-----------|------------------|-------------------------------------------------------------------------------------|----------|------------------|
|  |           |                  |  |          |                  |
| Approval                                                                           | Standard  | Certificate Name | Approval                                                                            | Standard | Certificate Name |
| CB<br>DEKRA Certification B.V.                                                     | IEC 61984 | NL-39756/A1      | Railway<br>WAGO GmbH & Co. KG                                                       | -        | Railway Ready    |
| CSA<br>DEKRA Certification B.V.                                                    | C22.2     | 1466354          |                                                                                     |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.                                              | EN 61984  | 71-121453        |                                                                                     |          |                  |
| UL<br>UL International Germany GmbH                                                | UL 1977   | E45171           |                                                                                     |          |                  |
| UR<br>Underwriters Laboratories Inc.                                               | UL 1059   | E45172           |                                                                                     |          |                  |

Approvals for marine applications

|  |          |                  |
|------------------------------------------------------------------------------------|----------|------------------|
| Approval                                                                           | Standard | Certificate Name |
| ABS<br>American Bureau of Ship-<br>ping                                            | -        | 19-HG1869876-PDA |



|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Downloads                                                                                                                                                                             |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| Environmental Product Compliance                                                                                                                                                      |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| Compliance Search                                                                                                                                                                     |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| Environmental Product Compliance                                                                                                                                                      | 231-337/001-000                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| Documentation                                                                                                                                                                         |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| Additional Information                                                                                                                                                                |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| Technical Section                                                                                                                                                                     | 03.04.2019                                                                                                                                                                                   | pdf<br>2010.85 KB                                                                                                                                                                               |                                                                                                                                                                                 |
| CAD/CAE-Data                                                                                                                                                                          |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| CAD data                                                                                                                                                                              |                                                                                                                                                                                              | CAE data                                                                                                                                                                                        |                                                                                                                                                                                 |
| 2D/3D Models                                                                                                                                                                          | 231-337/001-000                                                                                                                                                                              | EPLAN Data Portal                                                                                                                                                                               | 231-337/001-000                                                                                                                                                                 |
|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
|                                                                                                                                                                                       |                                                                                                                                                                                              | ZUKEN Portal                                                                                                                                                                                    | 231-337/001-000                                                                                                                                                                 |
|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| 1 Compatible Products                                                                                                                                                                 |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| 1.1 System counterpart                                                                                                                                                                |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| 1.1.1 Female connector/socket                                                                                                                                                         |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| <a href="#">Item No.: 232-407/026-000</a><br>1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; 2,50 mm²; orange                                | <a href="#">Item No.: 232-307/026-000</a><br>1-conductor female connector, angled; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; direct marking; 2,50 mm²; orange                       | <a href="#">Item No.: 231-307/026-000</a><br>1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; 2,50 mm²; orange                                                  | <a href="#">Item No.: 231-307/027-000</a><br>1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; clamping collar; 2,50 mm²; orange                 |
|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| <a href="#">Item No.: 231-307/031-000</a><br>1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; clamping collar; 2,50 mm²; orange                       | <a href="#">Item No.: 231-307/037-000</a><br>1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; Lateral locking levers; 2,50 mm²; orange                       | <a href="#">Item No.: 231-307/102-000</a><br>1-conductor female connector; CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; with integrated end plate; 2,50 mm²; orange                       | <a href="#">Item No.: 2231-307/026-000</a><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; 2,50 mm²; orange            |
|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| <a href="#">Item No.: 2231-307/031-000</a><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; clamping collar; 2,50 mm²; orange | <a href="#">Item No.: 2231-307/037-000</a><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; Lateral locking levers; 2,50 mm²; orange | <a href="#">Item No.: 2231-307/102-000</a><br>1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; with integrated end plate; 2,50 mm²; orange | <a href="#">Item No.: 231-2307/037-000</a><br>2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; Lateral locking levers; 2,50 mm²; orange |
|                                                                                                                                                                                       |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |
| <a href="#">Item No.: 231-2307/026-000</a><br>2-conductor female connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5.08 mm; 7-pole; with integrated end plate; 2,50 mm²; orange    |                                                                                                                                                                                              |                                                                                                                                                                                                 |                                                                                                                                                                                 |

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



Item No.: [231-129](#)  
Coding key; snap-on type; light gray

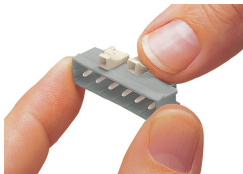
1.2.1.2 Intermediate plate



Item No.: [231-500](#)  
Spacer; for formation of groups; light gray

Installation Notes

Coding



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