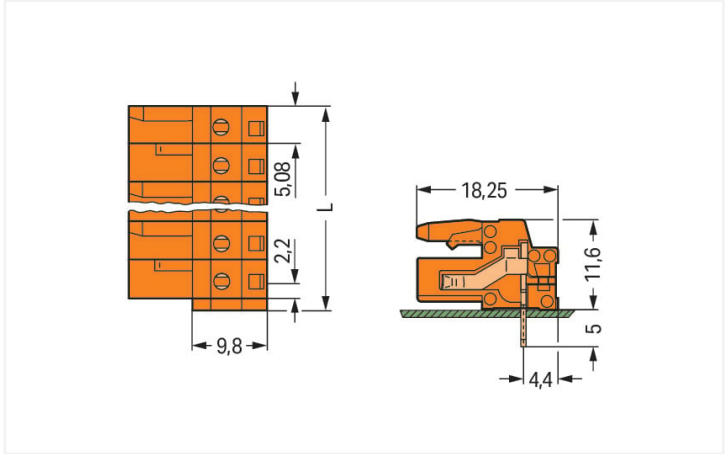
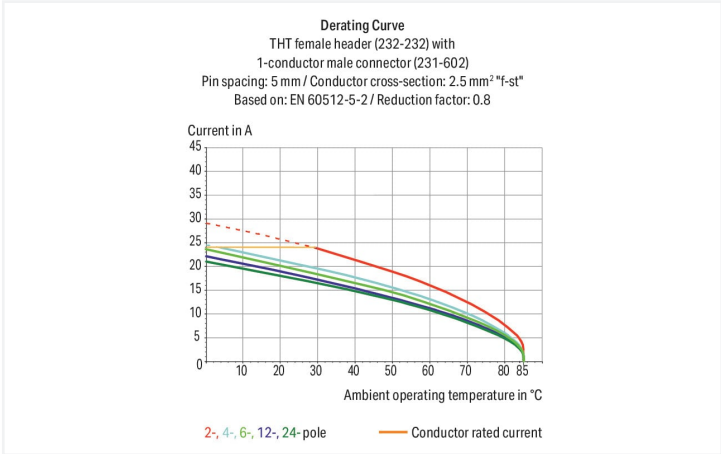




Color: ■ orange



Dimensions in mm  
L = (pole no. x pin spacing) + 1.5 mm  
Distance to first solder pin: 2.2 mm  
2- to 3-pole female connectors – one latch only



- Horizontal or vertical PCB mounting via straight or angled solder pins
- For board-to-board and board-to-wire connections
- Touch-proof PCB outputs
- Easy-to-identify PCB inputs and outputs
- With coding fingers

| 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<br>3.8 mm pin projection for male headers with straight solder pins<br>Gold-plated or partially gold-plated contact surfaces<br>Other versions (or variants) can be requested from WAGO Sales or configured at <a href="https://configurator.wago.com/">https://configurator.wago.com/</a> .                                                                                                         |



Electrical data

| Ratings per IEC/EN 60664-1 |       |       |       | Approvals per UL 1059 |       |   |       |
|----------------------------|-------|-------|-------|-----------------------|-------|---|-------|
| Overvoltage category       | III   | III   | II    | Use group             | B     | C | D     |
| Pollution degree           | 3     | 2     | 2     | Rated voltage         | 300 V | - | 300 V |
| Nominal voltage            | 320 V | 320 V | 630 V | Rated current         | 15 A  | - | 10 A  |
| Rated surge voltage        | 4 kV  | 4 kV  | 4 kV  |                       |       |   |       |
| Rated current              | 12 A  | 12 A  | 12 A  |                       |       |   |       |

| Approvals per UL 1977 |       | Approvals per CSA |       |   |       |
|-----------------------|-------|-------------------|-------|---|-------|
| Rated voltage         | 600 V | Use group         | B     | C | D     |
| Rated current         | 15 A  | Rated voltage     | 300 V | - | 300 V |
|                       |       | Rated current     | 15 A  | - | 10 A  |

Connection data

| Connection points          | 3 | Connection 1 |   |
|----------------------------|---|--------------|---|
| Total number of potentials | 3 | Pole number  | 3 |
| Number of connection types | 1 |              |   |
| Number of levels           | 1 |              |   |

Physical data

|                                      |                          |
|--------------------------------------|--------------------------|
| Pin spacing                          | 5.08 mm / 0.2 inches     |
| Width                                | 16.74 mm / 0.659 inches  |
| Height                               | 16.6 mm / 0.654 inches   |
| Height from the surface              | 11.6 mm / 0.457 inches   |
| Depth                                | 18.25 mm / 0.719 inches  |
| Solder pin length                    | 5 mm                     |
| Solder pin dimensions                | 0.6 x 1 mm               |
| Drilled hole diameter with tolerance | 1.3 <sup>(+0.1)</sup> mm |

Mechanical data

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

Plug-in connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for PCB                 |
| Mismating protection               | No                      |
| Mating direction to the PCB        | 0 °                     |

PCB contact

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



| Material data               |                  |                                                                          |
|-----------------------------|------------------|--------------------------------------------------------------------------|
| Note (material data)        |                  | <a href="#">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            | Copper alloy     |                                                                          |
| Contact plating             | Tin              |                                                                          |
| Fire load                   | 0.05 MJ          |                                                                          |
| Weight                      | 2.9 g            |                                                                          |

| Environmental requirements |                |  |
|----------------------------|----------------|--|
| Limit temperature range    | -60 ... +85 °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     | DE                     |  |
| GTIN                  | 4044918579445          |  |
| Customs tariff number | 85366990990            |  |

| 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    |
| 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-HG15869876-PDA |
| DNV<br>DNV GL SE                        | -         | TAE000016Z        |
| LR<br>Lloyds Register                   | IEC 61984 | 96/20035 (E5)     |

Downloads

Environmental Product Compliance

| Compliance Search                           |
|---------------------------------------------|
| Environmental Product<br>Compliance 232-263 |
|                                             |

Documentation

| Additional Information |
|------------------------|
| Technical Section      |
| 03.04.2019             |
| pdf<br>2027.26 KB      |
|                        |

CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 232-263 |
|                      |

| CAE data                     |
|------------------------------|
| EPLAN Data Portal<br>232-263 |
|                              |
| ZUKEN Portal 232-263         |
|                              |

| PCB Design                                             |
|--------------------------------------------------------|
| Symbol and Footprint<br>via SamacSys 232-263           |
|                                                        |
| Symbol and Footprint<br>via Ultra Librarian<br>232-263 |
|                                                        |



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



[Item No.: 231-633](#)  
1-conductor male connector; CAGE  
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;  
3-pole; 2,50 mm²; orange

[Item No.: 231-633/019-000](#)  
1-conductor male connector; CAGE  
CLAMP®; 2.5 mm²; Pin spacing 5.08 mm;  
3-pole; clamping collar; 2,50 mm²; orange

1.2 Optional Accessories

1.2.1 Test and measurement

1.2.1.1 Testing accessories



[Item No.: 231-661](#)  
Test plugs for female connectors; for 5  
mm and 5.08 mm pin spacing; 2,50 mm²;  
light gray