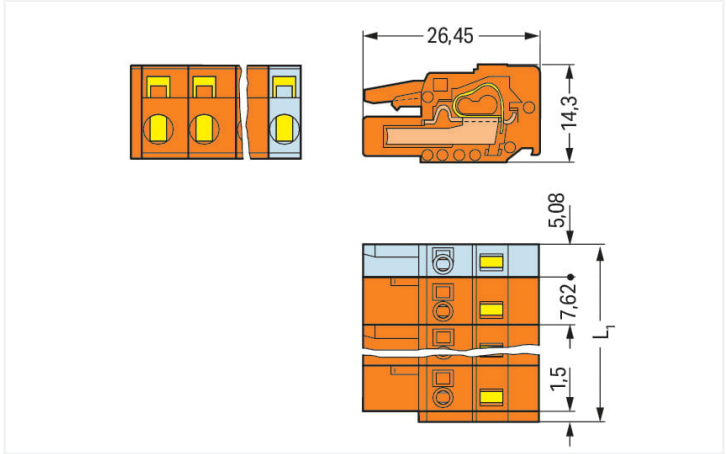
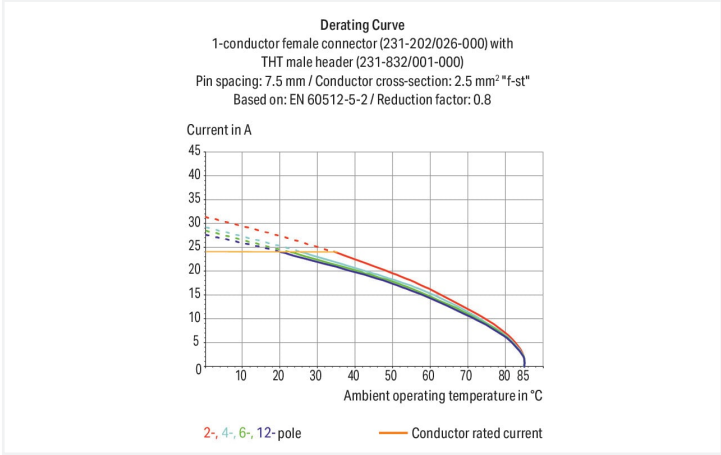




Color: ■ orange



Dimensions in mm  
L1 = (pole no. – 1) x pin spacing + 5.08 mm + 1.5 mm  
2- to 3-pole female connectors – one latch only



- 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

| 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:          | 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            | 500 V | 630 V | 1000 V | Rated current         | 15 A  | - | 10 A  |
| Rated surge voltage        | 6 kV  | 6 kV  | 6 kV   |                       |       |   |       |
| Rated current              | 16 A  | 16 A  | 16 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          | 6 | Connection 1                                      |                                            |
|----------------------------|---|---------------------------------------------------|--------------------------------------------|
| Total number of potentials | 6 | Connection technology                             | CAGE CLAMP®                                |
| Number of connection types | 1 | Actuation type                                    | Operating tool                             |
| Number of levels           | 1 | Actuation direction 1                             | Operation parallel to conductor entry      |
|                            |   | Actuation direction 2                             | Operation perpendicular to conductor entry |
|                            |   | Solid conductor                                   | 0.08 ... 2.5 mm² / 28 ... 12 AWG           |
|                            |   | Fine-stranded conductor                           | 0.08 ... 2.5 mm² / 28 ... 12 AWG           |
|                            |   | Fine-stranded conductor; with insulated ferrule   | 0.25 ... 1.5 mm²                           |
|                            |   | Fine-stranded conductor; with uninsulated ferrule | 0.25 ... 2.5 mm²                           |
|                            |   | Strip length                                      | 8 ... 9 mm / 0.31 ... 0.35 inches          |
|                            |   | Pole number                                       | 6                                          |
|                            |   | Conductor entry direction to mating direction     | 0°                                         |

Physical data

|             |                         |
|-------------|-------------------------|
| Pin spacing | 7.62 mm / 0.3 inches    |
| Width       | 44.68 mm / 1.759 inches |
| Height      | 14.3 mm / 0.563 inches  |
| Depth       | 26.45 mm / 1.041 inches |

Mechanical data

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

Plug-in connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector (connection type)        | for conductor           |
| Mismating protection               | No                      |



| 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                                                                                                                     |
| Clamping spring material    | Chrome-nickel spring steel (CrNi)                                                                                      |
| Contact material            | Copper alloy                                                                                                           |
| Contact plating             | Tin                                                                                                                    |
| Fire load                   | 0.207 MJ                                                                                                               |
| Weight                      | 12.5 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           | 27-44-03-09            |
| eCl@ss 9.0            | 27-44-03-09            |
| ETIM 8.0              | EC002638               |
| ETIM 7.0              | EC002638               |
| PU (SPU)              | 50 pcs                 |
| Packaging type        | Box                    |
| Country of origin     | DE                     |
| GTIN                  | 4044918351973          |
| Customs tariff number | 85366990990            |

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

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



Approvals for marine applications



| Approval                                | Standard  | Certificate Name |
|-----------------------------------------|-----------|------------------|
| ABS<br>American Bureau of Ship-<br>ping | -         | 19-HG1869876-PDA |
| BV<br>Bureau Veritas S.A.               | IEC 60998 | 11915/D0 BV      |

Downloads

Environmental Product Compliance

| Compliance Search                                      |
|--------------------------------------------------------|
| Environmental Product<br>Compliance<br>231-706/026-000 |



Documentation

| Additional Information                               |
|------------------------------------------------------|
| Technical Section<br>03.04.2019<br>pdf<br>2010.85 KB |



CAD/CAE-Data

| CAD data                        |
|---------------------------------|
| 2D/3D Models<br>231-706/026-000 |



| CAE data                             |
|--------------------------------------|
| EPLAN Data Portal<br>231-706/026-000 |
| ZUKEN Portal<br>231-706/026-000      |



1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 731-636</b><br>1-conductor male connector; CAGE<br>CLAMP®; 2.5 mm²; Pin spacing 7.62 mm;<br>6-pole; 2,50 mm²; orange |
|-----------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                                            |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 731-636/019-000</b><br>1-conductor male connector; CAGE<br>CLAMP®; 2.5 mm²; Pin spacing 7.62 mm;<br>6-pole; clamping collar; 2,50 mm²; orange |
|------------------------------------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                                                                                  |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 731-636/018-000</b><br>1-conductor male connector; CAGE<br>CLAMP®; 2.5 mm²; Pin spacing 7.62 mm;<br>6-pole; DIN-35 rail/panel mounting; Snap-<br>in mounting feet; 2,50 mm²; orange |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                                           |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 731-636/114-000</b><br>1-conductor male connector; CAGE<br>CLAMP®; 2.5 mm²; Pin spacing 7.62 mm;<br>6-pole; Snap-in flange; 2,50 mm²; orange |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                     |
|---------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 232-586/007-000</b><br>Double pin header; DIN-35 rail mounting;<br>6-pole; Pin spacing 7.62 mm; orange |
|---------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 231-936/001-000</b><br>THT male header; 1.0 x 1.0 mm solder pin;<br>angled; Pin spacing 7.62 mm; 6-pole;<br>orange |
|---------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 231-736/001-000</b><br>THT male header; 1.0 x 1.0 mm solder pin;<br>straight; Pin spacing 7.62 mm; 6-pole;<br>orange |
|-----------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                 |
|---------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 231-966/001-000</b><br>THT male header; 1.2 x 1.2 mm solder pin;<br>angled; Pin spacing 7.62 mm; 6-pole;<br>orange |
|---------------------------------------------------------------------------------------------------------------------------------|



|                                                                                                                                   |
|-----------------------------------------------------------------------------------------------------------------------------------|
| <b>Item No.: 231-766/001-000</b><br>THT male header; 1.2 x 1.2 mm solder pin;<br>straight; Pin spacing 7.62 mm; 6-pole;<br>orange |
|-----------------------------------------------------------------------------------------------------------------------------------|



| 1.2 Optional Accessories                                                                                                                                                                          |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 1.2.1 Cover                                                                                                                                                                                       |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| 1.2.1.1 Cover                                                                                                                                                                                     |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
|                                                                                                                  |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| <p><b>Item No.: 231-669</b><br/>Lockout caps; for covering unused clamping units; orange</p>                                                                                                      |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| 1.2.2 Ferrule                                                                                                                                                                                     |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
| 1.2.2.1 Ferrule                                                                                                                                                                                   |                                                                                                                                                                                               |                                                                                                                                                                                                   |                                                                                                                                                                                                   |
|                                                                                                                  |                                                                                                              |                                                                                                                  |                                                                                                                |
| <p><b>Item No.: 216-301</b><br/>Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow</p>                                                                       | <p><b>Item No.: 216-321</b><br/>Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow</p>                                                                   | <p><b>Item No.: 216-151</b><br/>Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated</p>                                                                             | <p><b>Item No.: 216-131</b><br/>Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored</p>                                                             |
|                                                                                                                  |                                                                                                              |                                                                                                                  |                                                                                                                |
| <p><b>Item No.: 216-302</b><br/>Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise</p>                                                              | <p><b>Item No.: 216-322</b><br/>Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise</p>                                                          | <p><b>Item No.: 216-132</b><br/>Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated</p>                                                                             | <p><b>Item No.: 216-152</b><br/>Ferrule; Sleeve for 0.34 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated</p>                                                                             |
|                                                                                                                 |                                                                                                             |                                                                                                                 |                                                                                                               |
| <p><b>Item No.: 216-241</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; white</p> | <p><b>Item No.: 216-201</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white</p>                                                                     | <p><b>Item No.: 216-221</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white</p>                                                                         | <p><b>Item No.: 216-141</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>      |
|                                                                                                                |                                                                                                            |                                                                                                                |                                                                                                              |
| <p><b>Item No.: 216-101</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored</p>                                                              | <p><b>Item No.: 216-121</b><br/>Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored</p>                                                          | <p><b>Item No.: 216-242</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> | <p><b>Item No.: 216-262</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; gray</p> |
|                                                                                                                |                                                                                                            |                                                                                                                |                                                                                                              |
| <p><b>Item No.: 216-202</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray</p>                                                                         | <p><b>Item No.: 216-222</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray</p>                                                                     | <p><b>Item No.: 216-142</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>     | <p><b>Item No.: 216-102</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored</p>                                                             |
|                                                                                                                |                                                                                                            |                                                                                                                |                                                                                                              |
| <p><b>Item No.: 216-122</b><br/>Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored</p>                                                             | <p><b>Item No.: 216-243</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p> | <p><b>Item No.: 216-263</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; red</p>     | <p><b>Item No.: 216-203</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red</p>                                                                             |
|                                                                                                                |                                                                                                            |                                                                                                                |                                                                                                              |
| <p><b>Item No.: 216-223</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red</p>                                                                             | <p><b>Item No.: 216-103</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated</p>                                                                            | <p><b>Item No.: 216-143</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92</p>        | <p><b>Item No.: 216-123</b><br/>Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated; silver-colored</p>                                                                |
|                                                                                                                |                                                                                                            |                                                                                                                |                                                                                                              |
| <p><b>Item No.: 216-204</b><br/>Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black</p>                                                                         | <p><b>Item No.: 216-224</b><br/>Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black</p>                                                                     | <p><b>Item No.: 216-244</b><br/>Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p> | <p><b>Item No.: 216-264</b><br/>Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; black</p> |



1.2.2.1 Ferrule



**Item No.: 216-284**  
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



**Item No.: 216-124**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated



**Item No.: 216-144**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored



**Item No.: 216-104**  
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored



**Item No.: 216-106**  
Ferrule; Sleeve for 2.5 mm² / AWG 14; un-insulated; electro-tin plated; silver-colored

1.2.3 Insulation stop

1.2.3.1 Insulation stop



**Item No.: 231-673**  
Insulation stop; 0.08-0.2 mm² / 0.2 mm² "s"; white



**Item No.: 231-674**  
Insulation stop; 0.25 - 0.5 mm²; light gray



**Item No.: 231-675**  
Insulation stop; 0.75 - 1 mm²; dark gray

1.2.4 Marking

1.2.4.1 Marking strip



**Item No.: 210-331/762-202**  
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



**Item No.: 210-332/762-020**  
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

1.2.5 Test and measurement

1.2.5.1 Testing accessories



**Item No.: 210-136**  
Test plug; 2 mm Ø; with 500 mm cable; red



**Item No.: 231-662**  
Test plugs for female connectors; for 7.5 mm and 7.62 mm pin spacing; 2,50 mm²; light gray

1.2.6 Tool

1.2.6.1 Operating tool



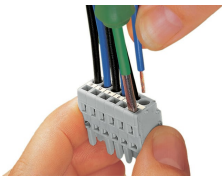
**Item No.: 231-291**  
Operating tool; made of insulating material; 1-way; loose; red



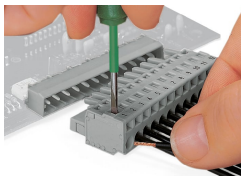
**Item No.: 231-131**  
Operating tool; made of insulating material; 1-way; loose; white

Installation Notes

Conductor termination



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 tool (231-291).



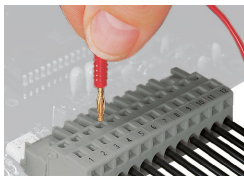
Inserting a conductor via operating tool.

Coding



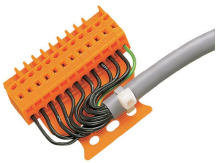
Coding a female connector by removing coding finger(s).

Testing



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

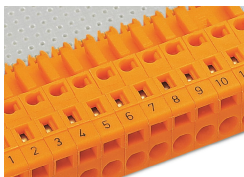


Male connector with strain relief plate



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

Marking



Labeling via direct marking or self-adhesive strips.