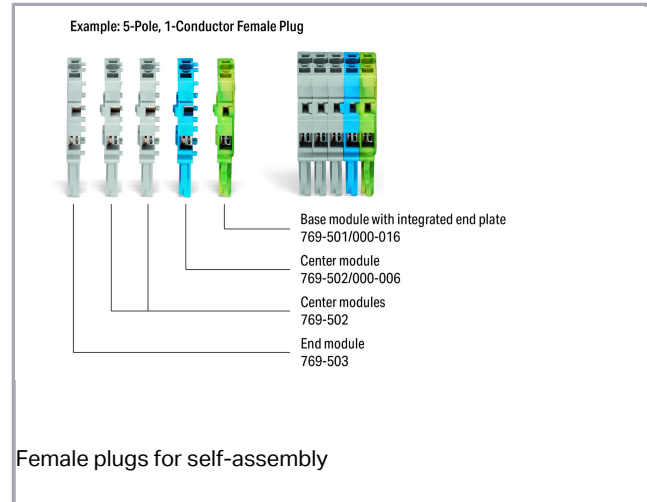


Data sheet | Item number: 769-512/000-006

Start module for 1-conductor female connector; angled; 4 mm<sup>2</sup>; 1-pole; 4,00 mm<sup>2</sup>; blue



[www.wago.com/769-512/000-006](http://www.wago.com/769-512/000-006)



### Item description

#### Customizing Modular Female Plugs

WAGO's modular X-COM®-SYSTEM female plugs can be customized for applications that require a varying number of poles (e.g., when designing prototypes).

#### Modules and Pole Numbers

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

WAGO Kontakttechnik GmbH & Co. KG

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Do you have any questions about our products?

We are always happy to take your call at +49 (571) 887-44222.



A customized X-COM®-SYSTEM female plug consists of:

- One base module with an integrated end plate
- Up to 13 center modules (corresponding to a 15-pole female plug = maximum pole number)
- One end module

#### Intended Use

According to EN 61984, connectors without current interrupting capacity must not be mated or unmated when live or under load.

#### Assembly

The appropriate mounting tool shall be used to ensure that the individual modules are properly attached to each other without damaging the locking latches.

#### Safety information 1:

According to EN 61984, pluggable connectors without current interrupting capacity must not be mated or unmated when live or under load.

## Data

### Electrical data

#### Ratings per IEC/EN 60664-1

| Ratings per                     | IEC/EN 61984  |
|---------------------------------|---|
| Rated voltage (III / 3)         | 500 V   |
| Rated impulse voltage (III / 3) | 6 kV  |
| Rated current                   | 32 A  |
| Legend (ratings)                | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

### Connection data

|                                   |  |
|-----------------------------------|--|
| Connection technology             | CAGE CLAMP®                                |
| Actuation type                    | Operating tool                             |
| Connectable conductor materials   | Copper                                     |
| Nominal cross section             | 4 mm <sup>2</sup>                          |
| Solid conductor                   | 0,08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Fine-stranded conductor           | 0,08 ... 4 mm <sup>2</sup> / 28 ... 12 AWG |
| Strip length                      | 8 ... 9 mm / 0.31 ... 0.35 inch            |
| No. of poles                      | 1  |
| Total number of connection points | 1  |
| Total number of potentials        | 1  |

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

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Type of wiring

Front-entry wiring

### Geometrical Data

|              |                      |
|--------------|----------------------|
| Width        | 5 mm / 0.197 inch    |
| Height       | 37,1 mm / 1.461 inch |
| Depth        | 26,5 mm / 1.043 inch |
| Module width | 5 mm / 0.197 inch    |

### Mechanical data

|               |              |
|---------------|--------------|
| Marking level | Side marking |
|---------------|--------------|

### Plug connection

|                                    |                         |
|------------------------------------|-------------------------|
| Contact type (pluggable connector) | Female connector/socket |
| Connector connection type          | for conductor           |

### Material Data


|                     |                      |
|---------------------|----------------------|
| Color               | blue                 |
| Insulating material | Polyamide 66 (PA 66) |
| Fire load           | 0.048 MJ             |
| Weight              | 2.6 g                |

### Commercial data

|                    |               |
|--------------------|---------------|
| Packaging type     | bag           |
| Country of origin  | DE            |
| GTIN               | 4045454529994 |
| Customs Tariff No. | 85366990990   |

### Approvals / Certificates

#### Country specific Approvals

| Logo   | Approval                        | Additional Approval Text | Certificate name |
|--|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-<br>7626  |
|  | CCA<br>DEKRA Certification B.V. | EN 61984                 | 2190419.02       |

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

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|                                 |          |                 |
|---------------------------------|----------|-----------------|
| CCA<br>DEKRA Certification B.V. | EN 61984 | NL-47799<br>/A1 |
|---------------------------------|----------|-----------------|





|                                 |               |         |
|---------------------------------|---------------|---------|
| CSA<br>DEKRA Certification B.V. | C22.2 No. 158 | 1101144 |
|---------------------------------|---------------|---------|



|                                       |          |            |
|---------------------------------------|----------|------------|
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947 | 2190419.01 |
|---------------------------------------|----------|------------|

UL-Approvals

| Logo   | Approval                             | Additional Approval Text | Certificate name    |
|--|--------------------------------------|--------------------------|---------------------|
|    | UR<br>Underwriters Laboratories Inc. | UL 1059                  | 20190731-<br>E45172 |
|  | UR<br>Underwriters Laboratories Inc. | UL 1977                  | 20151210-<br>E45171 |

Counterpart

Compatible products

Locking lever



Item no.: 769-428  
Locking lever; gray

[www.wago.com/769-428](http://www.wago.com/769-428)
















Item no.: 769-429  
Locking lever; orange

[www.wago.com/769-429](http://www.wago.com/769-429)

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

## Strain relief plate

|  |  |  |
|--|--|--|
|    | <b>Item no.: 769-1602</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1602">www.wago.com/769-1602</a> |
|    | <b>Item no.: 769-1603</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1603">www.wago.com/769-1603</a> |
|    | <b>Item no.: 769-1604</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1604">www.wago.com/769-1604</a> |
|  | <b>Item no.: 769-1605</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1605">www.wago.com/769-1605</a> |
|    | <b>Item no.: 769-1606</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1606">www.wago.com/769-1606</a> |
|    | <b>Item no.: 769-1607</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1607">www.wago.com/769-1607</a> |
|    | <b>Item no.: 769-1608</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1608">www.wago.com/769-1608</a> |
|  | <b>Item no.: 769-1609</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1609">www.wago.com/769-1609</a> |
|    | <b>Item no.: 769-1610</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1610">www.wago.com/769-1610</a> |
|  | <b>Item no.: 769-1611</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1611">www.wago.com/769-1611</a> |
|  | <b>Item no.: 769-1612</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1612">www.wago.com/769-1612</a> |
|  | <b>Item no.: 769-1613</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1613">www.wago.com/769-1613</a> |
|  | <b>Item no.: 769-1614</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1614">www.wago.com/769-1614</a> |
|  | <b>Item no.: 769-1615</b><br>Strain relief housing; gray | <a href="http://www.wago.com/769-1615">www.wago.com/769-1615</a> |
|  | <b>Item no.: 769-410</b><br>Strain relief plate; gray    | <a href="http://www.wago.com/769-410">www.wago.com/769-410</a>   |
|  | <b>Item no.: 769-411</b><br>Strain relief plate; gray    | <a href="http://www.wago.com/769-411">www.wago.com/769-411</a>   |
|  | <b>Item no.: 769-412</b><br>Strain relief plate; gray    | <a href="http://www.wago.com/769-412">www.wago.com/769-412</a>   |
|  | <b>Item no.: 769-413</b><br>Strain relief plate; gray    | <a href="http://www.wago.com/769-413">www.wago.com/769-413</a>   |

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



**Item no.: 769-414**  
Strain relief plate; gray

[www.wago.com/769-414](http://www.wago.com/769-414)

#### Protective Warning Marker

**Item no.: 280-415**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

[www.wago.com/280-415](http://www.wago.com/280-415)

#### Insulation stop

**Item no.: 769-470**  
Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white

[www.wago.com/769-470](http://www.wago.com/769-470)

**Item no.: 769-471**  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/769-471](http://www.wago.com/769-471)

**Item no.: 769-472**  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray

[www.wago.com/769-472](http://www.wago.com/769-472)

#### ferrule

**Item no.: 216-101**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated

[www.wago.com/216-101](http://www.wago.com/216-101)

**Item no.: 216-102**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / AWG 20; uninsulated; electro-tin plated

[www.wago.com/216-102](http://www.wago.com/216-102)



**Item no.: 216-103**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated

[www.wago.com/216-103](http://www.wago.com/216-103)

**Item no.: 216-104**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; uninsulated; electro-tin plated

[www.wago.com/216-104](http://www.wago.com/216-104)

**Item no.: 216-201**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / 20 AWG; insulated; electro-tin plated; white

[www.wago.com/216-201](http://www.wago.com/216-201)



**Item no.: 216-202**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray

[www.wago.com/216-202](http://www.wago.com/216-202)



**Item no.: 216-203**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red

[www.wago.com/216-203](http://www.wago.com/216-203)

**Item no.: 216-204**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black

[www.wago.com/216-204](http://www.wago.com/216-204)



**Item no.: 216-206**  
Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; insulated; electro-tin plated; blue

[www.wago.com/216-206](http://www.wago.com/216-206)

**Item no.: 216-301**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow

[www.wago.com/216-301](http://www.wago.com/216-301)

**Item no.: 216-302**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; green

[www.wago.com/216-302](http://www.wago.com/216-302)

#### Test Accessories

**Item no.: 210-136**

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

Test plug; 2 mm Ø; with 500 mm cable; red

[www.wago.com/210-136](http://www.wago.com/210-136)



**Item no.: 210-137**

Test plug; 2.3 mm Ø; with 500 mm cable; yellow

[www.wago.com/210-137](http://www.wago.com/210-137)

**Marking accessories**



**Item no.: 2009-115**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115](http://www.wago.com/2009-115)



**Item no.: 2009-115/000-002**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/2009-115/000-002](http://www.wago.com/2009-115/000-002)



**Item no.: 2009-115/000-006**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115/000-006](http://www.wago.com/2009-115/000-006)



**Item no.: 2009-115/000-007**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray

[www.wago.com/2009-115/000-007](http://www.wago.com/2009-115/000-007)



**Item no.: 2009-115/000-012**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115/000-012](http://www.wago.com/2009-115/000-012)



**Item no.: 2009-115/000-017**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115/000-017](http://www.wago.com/2009-115/000-017)



**Item no.: 2009-115/000-023**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green

[www.wago.com/2009-115/000-023](http://www.wago.com/2009-115/000-023)



**Item no.: 2009-115/000-024**

WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-115/000-024](http://www.wago.com/2009-115/000-024)

**Item no.: 2009-145**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-145](http://www.wago.com/2009-145)

**Item no.: 2009-145/000-002**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/2009-145/000-002](http://www.wago.com/2009-145/000-002)



**Item no.: 2009-145/000-005**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red

[www.wago.com/2009-145/000-005](http://www.wago.com/2009-145/000-005)



**Item no.: 2009-145/000-006**

Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue

[www.wago.com/2009-145/000-006](http://www.wago.com/2009-145/000-006)

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

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|  |   |  |
|--|---|--|
|    | <b>Item no.: 2009-145/000-007</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white /000-007 | <a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a> |
|    | <b>Item no.: 2009-145/000-012</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; orange         | <a href="http://www.wago.com/2009-145/000-012">www.wago.com/2009-145/000-012</a> |
|    | <b>Item no.: 2009-145/000-023</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; green          | <a href="http://www.wago.com/2009-145/000-023">www.wago.com/2009-145/000-023</a> |
|  | <b>Item no.: 2009-145/000-024</b><br>Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; violet         | <a href="http://www.wago.com/2009-145/000-024">www.wago.com/2009-145/000-024</a> |
|  | <b>Item no.: 210-831</b><br>Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white   | <a href="http://www.wago.com/210-831">www.wago.com/210-831</a>                   |
|  | <b>Item no.: 210-832</b><br>Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white   | <a href="http://www.wago.com/210-832">www.wago.com/210-832</a>                   |
|  | <b>Item no.: 248-501</b><br>Miniature WSB Quick marking system; plain; Marker width 5 mm; 10 strips with 10 markers per card                              | <a href="http://www.wago.com/248-501">www.wago.com/248-501</a>                   |
|   | <b>Item no.: 248-501/000-002</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; yellow  | <a href="http://www.wago.com/248-501/000-002">www.wago.com/248-501/000-002</a>   |
|  | <b>Item no.: 248-501/000-005</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; red   | <a href="http://www.wago.com/248-501/000-005">www.wago.com/248-501/000-005</a>   |
|  | <b>Item no.: 248-501/000-006</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; blue  | <a href="http://www.wago.com/248-501/000-006">www.wago.com/248-501/000-006</a>   |
|  | <b>Item no.: 248-501/000-007</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; gray  | <a href="http://www.wago.com/248-501/000-007">www.wago.com/248-501/000-007</a>   |
|  | <b>Item no.: 248-501/000-012</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; orange  | <a href="http://www.wago.com/248-501/000-012">www.wago.com/248-501/000-012</a>   |
|  | <b>Item no.: 248-501/000-017</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green                                     | <a href="http://www.wago.com/248-501/000-017">www.wago.com/248-501/000-017</a>   |
|  | <b>Item no.: 248-501/000-023</b><br>Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green   | <a href="http://www.wago.com/248-501/000-023">www.wago.com/248-501/000-023</a>   |

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





**Item no.: 248-501/000-024**  
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; violet

[www.wago.com/248-501/000-024](http://www.wago.com/248-501/000-024)



**Item no.: 793-501**  
WMB marking card; as card; not stretchable; plain; snap-on type; white

[www.wago.com/793-501](http://www.wago.com/793-501)



**Item no.: 793-501/000-002**  
WMB marking card; as card; not stretchable; plain; snap-on type; yellow

[www.wago.com/793-501/000-002](http://www.wago.com/793-501/000-002)



**Item no.: 793-501/000-005**  
WMB marking card; as card; not stretchable; plain; snap-on type; red

[www.wago.com/793-501/000-005](http://www.wago.com/793-501/000-005)



**Item no.: 793-501/000-006**  
WMB marking card; as card; not stretchable; plain; snap-on type; blue

[www.wago.com/793-501/000-006](http://www.wago.com/793-501/000-006)



**Item no.: 793-501/000-007**  
WMB marking card; as card; not stretchable; plain; snap-on type; gray

[www.wago.com/793-501/000-007](http://www.wago.com/793-501/000-007)



**Item no.: 793-501/000-012**  
WMB marking card; as card; not stretchable; plain; snap-on type; orange

[www.wago.com/793-501/000-012](http://www.wago.com/793-501/000-012)



**Item no.: 793-501/000-017**  
WMB marking card; as card; not stretchable; plain; snap-on type; light green

[www.wago.com/793-501/000-017](http://www.wago.com/793-501/000-017)



**Item no.: 793-501/000-023**  
WMB marking card; as card; not stretchable; plain; snap-on type; green

[www.wago.com/793-501/000-023](http://www.wago.com/793-501/000-023)



**Item no.: 793-501/000-024**  
WMB marking card; as card; not stretchable; plain; snap-on type; violet

[www.wago.com/793-501/000-024](http://www.wago.com/793-501/000-024)



**Item no.: 793-5501**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white

[www.wago.com/793-5501](http://www.wago.com/793-5501)

**Item no.: 793-5501/000-002**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

[www.wago.com/793-5501/000-002](http://www.wago.com/793-5501/000-002)



**Item no.: 793-5501/000-005**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red

[www.wago.com/793-5501/000-005](http://www.wago.com/793-5501/000-005)



**Item no.: 793-5501/000-006**  
WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue

[www.wago.com/793-5501/000-006](http://www.wago.com/793-5501/000-006)

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



**Item no.: 793-5501/000-007**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray

[www.wago.com/793-5501/000-007](http://www.wago.com/793-5501/000-007)



**Item no.: 793-5501/000-012**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange

[www.wago.com/793-5501/000-012](http://www.wago.com/793-5501/000-012)



**Item no.: 793-5501/000-017**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green

[www.wago.com/793-5501/000-017](http://www.wago.com/793-5501/000-017)



**Item no.: 793-5501/000-023**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green

[www.wago.com/793-5501/000-023](http://www.wago.com/793-5501/000-023)



**Item no.: 793-5501/000-024**

WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet

[www.wago.com/793-5501/000-024](http://www.wago.com/793-5501/000-024)

## Downloads

### Documentation

#### Additional Information

|                        |             |               |          |
|------------------------|-------------|---------------|----------|
| Technical explanations | Apr 3, 2019 | pdf<br>2.1 MB | Download |
|------------------------|-------------|---------------|----------|

## CAD/CAE-Data

### CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 769-512/000-006 | URL | Download |
|------------------------------|-----|----------|

### CAE data

|                                   |     |          |
|-----------------------------------|-----|----------|
| EPLAN Data Portal 769-512/000-006 | URL | Download |
|-----------------------------------|-----|----------|

|                                |     |          |
|--------------------------------|-----|----------|
| WSCAD Universe 769-512/000-006 | URL | Download |
|--------------------------------|-----|----------|

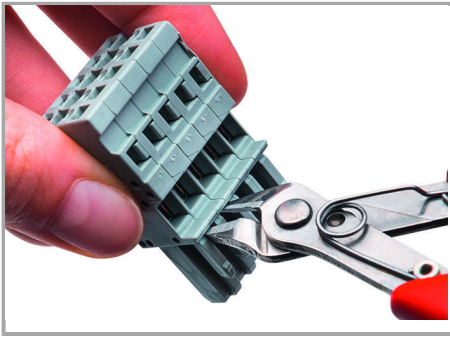
## Installation Notes

### Coding

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

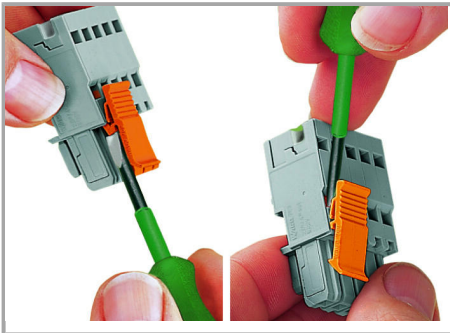
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Do you have any questions about our products?  
 We are always happy to take your call at +49 (571) 887-44222.



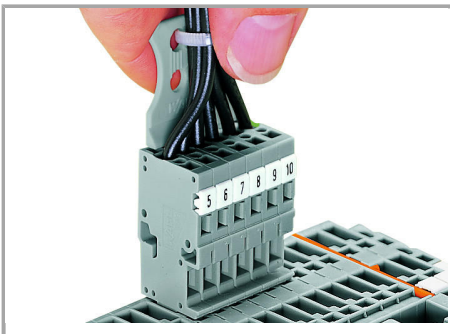
Coding a female plug by removing coding finger(s) via cutting tool. Do not remove the first and last coding fingers or use an additional locking lever.

#### Locking lever



Locking/releasing a lever.

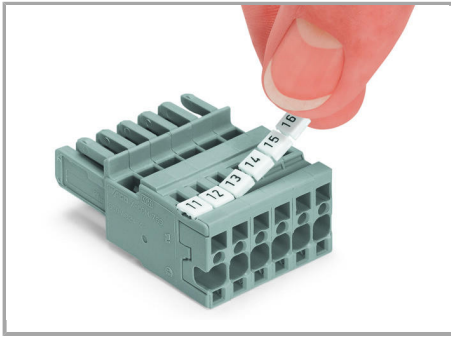
#### Strain Relief



Removing a female plug via conductor bundle provided with strain relief plate.

#### Marking

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



Labeling a female plug with CAGE CLAMP® connection via Mini-WSB quick markers.

## Product family

### X-COM

[Learn more about the product family.](#)

[Show all products from the family](#)

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