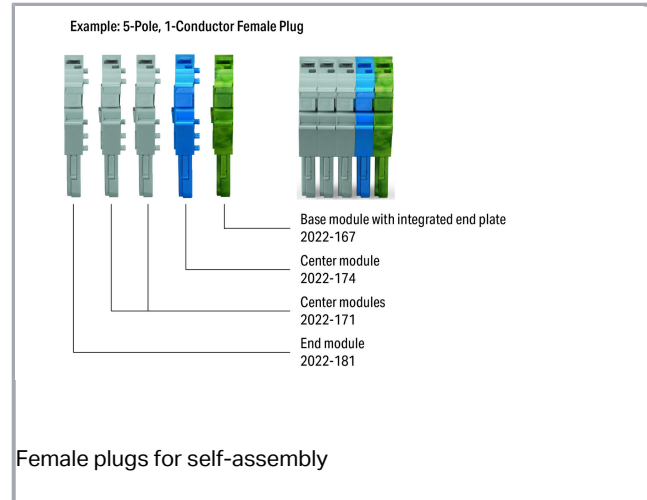
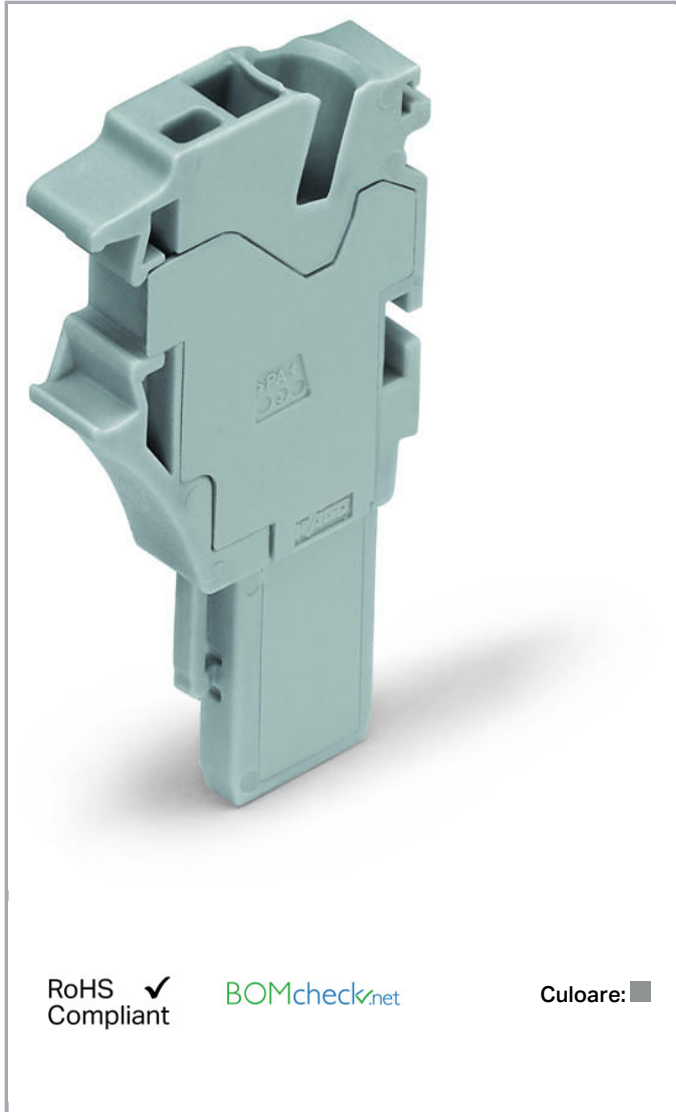


## Fișă tehnică | Număr articol: 2022-161

Start module for 1-conductor female connector; with integrated end plate;  
2.5 mm<sup>2</sup>; 1-pole; 2,50 mm<sup>2</sup>; gray

[www.wago.com/2022-161](http://www.wago.com/2022-161)



RoHS Compliant

Culoare:

### Descriere articol

#### Customizing Modular Female Plugs

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

#### Modules and Pole Numbers

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?

Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



A customized X-COM®S-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.

#### Date

#### Electrical data

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

| Ratings per                 | IEC/EN 61984  |
|-----------------------------|---|
| Nominal voltage (III/3)     | 690 V   |
| Rated surge voltage (III/3) | 6 kV  |
| Rated current               | 24 A  |
| Rated current 2             | 32 A  |
| Legend (ratings)            | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

#### Connection data

|   |  |
|---|--|
| Connection technology                           | Push-in CAGE CLAMP®                        |
| Actuation type                                  | Open Tool Slot<br>Push-in                  |
| Connectable conductor materials                 | Copper                                     |
| Nominal cross-section                           | 2,5 mm <sup>2</sup>                        |
| Solid conductor                                 | 0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG |
| Solid conductor; push-in termination            | 0,75 ... 4 mm <sup>2</sup> / 18 ... 12 AWG |
| Fine-stranded conductor                         | 0,25 ... 4 mm <sup>2</sup> / 22 ... 12 AWG |
| Fine-stranded conductor; with insulated ferrule | 1 ... 2,5 mm <sup>2</sup> / 18 ... 12 AWG  |

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



|  |   |
|--|---|
| Fine-stranded conductor; with ferrule; push-in termination | 1 ... 2,5 mm <sup>2</sup> / 18 ... 12 AWG   |
| Strip length   | 10 ... 12 mm / 0.39 ... 0.47 inch   |
| Pole No.   | 1   |
| Total number of connection points                          | 1   |
| Total number of potentials                                 | 1   |
| Wiring type  | Front-entry wiring  |
| Note (conductor cross-section)                             | Depending on the conductor characteristic, a conductor with a smaller cross-section can also be inserted via push-in termination. |

### Geometrical Data

|        |                      |
|--------|----------------------|
| Width  | 5,2 mm / 0.205 inch  |
| Height | 40,5 mm / 1.594 inch |
| Depth  | 22,4 mm / 0.882 inch |

### Mechanical data

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

### Plug connection

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

### Material Data

|                     |                      |
|---------------------|----------------------|
| Color               | gray                 |
| Insulation material | Polyamide 66 (PA 66) |
| Fire load           | 0,06 MJ              |
| Weight              | 3,4 g                |

### Commercial data

|                       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| Packaging type        | bag               |
| Country of origin     | CN                |
| GTIN                  | 4050821243311     |
| Customs tariff number | 85366990990       |




### Aprobări / certificate

#### Country specific Approvals





Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
 /Representative Office Romania  
 Sos. Pipera-Tunari nr. 1/1  
 building 1, 2nd floor | 077190 Voluntari, Ilfov  
 Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com


Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

| Emblemă  | Aprobare                              | Text de aprobare suplimentar | Nume certificat |
|--|---------------------------------------|------------------------------|-----------------|
|  | CCA<br>DEKRA Certification B.V.       | EN 60947                     | NTR NL<br>7628  |
|  | CSA<br>DEKRA Certification B.V.       | C22.2 No. 158                | 2437422         |
|  | KEMA/KEUR<br>DEKRA Certification B.V. | EN 61984                     | 71-<br>101560   |

## Ship Approvals

| Emblemă   | Aprobare   | Text de aprobare suplimentar | Nume certificat          |
|---|--|------------------------------|--------------------------|
|     | ABS<br>American Bureau of Shipping               | EN 60947                     | 20-<br>HG1941090-<br>PDA |
|  | BV<br>Bureau Veritas S.A.                        | EN 60947                     | 38586/A0 BV              |
|   | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                            | TAE00001V2               |
|  | LR<br>Lloyds Register                            | EN 60947                     | 91/20112<br>(E9)         |




## UL-Approvals

| Emblemă  | Aprobare                             | Text de aprobare suplimentar | Nume certificat |
|--|--------------------------------------|------------------------------|-----------------|
|  | UR<br>Underwriters Laboratories Inc. | UL 1059                      | E45172          |

Supus modificărilor.

## Counterpart

## Produse compatibile

| ferrule   |   |  |
|---|---|--|
|    | <b>Nr. articol: 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 | <a href="http://www.wago.com/216-241">www.wago.com/216-241</a> |
|    | <b>Nr. articol: 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 | <a href="http://www.wago.com/216-242">www.wago.com/216-242</a> |
|    | <b>Nr. articol: 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     | <a href="http://www.wago.com/216-243">www.wago.com/216-243</a> |
|    | <b>Nr. articol: 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 | <a href="http://www.wago.com/216-244">www.wago.com/216-244</a> |
|  | <b>Nr. articol: 216-246</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-246">www.wago.com/216-246</a> |
|  | <b>Nr. articol: 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 | <a href="http://www.wago.com/216-262">www.wago.com/216-262</a> |
|  | <b>Nr. articol: 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     | <a href="http://www.wago.com/216-263">www.wago.com/216-263</a> |
|  | <b>Nr. articol: 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 | <a href="http://www.wago.com/216-264">www.wago.com/216-264</a> |
|  | <b>Nr. articol: 216-266</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-266">www.wago.com/216-266</a> |
|  | <b>Nr. articol: 216-284</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 | <a href="http://www.wago.com/216-284">www.wago.com/216-284</a> |
|  | <b>Nr. articol: 216-286</b><br>Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 4/09.90; blue  | <a href="http://www.wago.com/216-286">www.wago.com/216-286</a> |
| tools   |   |  |

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



**Nr. articol: 210-720**  
Operating tool; Blade: 3.5 x 0.5 mm; with a partially insulated shaft

[www.wago.com/210-720](http://www.wago.com/210-720)

#### Marking accessories



**Nr. articol: 2009-110**  
Marking strips; on reel; not stretchable; plain; snap-on type; white

[www.wago.com/2009-110](http://www.wago.com/2009-110)



**Nr. articol: 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)



**Nr. articol: 2009-115/000-002**  
WMB-Inline; for Smart Printer; 1500 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow /000-002

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

**Nr. articol: 2009-115/000-006**

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

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

**Nr. articol: 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](http://www.wago.com/2009-115)  
/000-007

**Nr. articol: 2009-115/000-012**

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

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



**Nr. articol: 2009-115/000-017**

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

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



**Nr. articol: 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](http://www.wago.com/2009-115)  
/000-023



**Nr. articol: 2009-115/000-024**

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

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



**Nr. articol: 2009-135**

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

[www.wago.com/2009-135](http://www.wago.com/2009-135)



**Nr. articol: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

[www.wago.com/210-831](http://www.wago.com/210-831)



**Nr. articol: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

[www.wago.com/210-832](http://www.wago.com/210-832)

**Nr. articol: 210-833**

Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white

[www.wago.com/210-833](http://www.wago.com/210-833)



**Nr. articol: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white















[www.wago.com/210-834](http://www.wago.com/210-834)

**Nr. articol: 793-5501**

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

|  |   |  |
|--|---|--|
|    | WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; white   | <a href="http://www.wago.com/793-5501">www.wago.com/793-5501</a>                 |
|    | <b>Nr. articol: 793-5501/000-002</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; yellow      | <a href="http://www.wago.com/793-5501/000-002">www.wago.com/793-5501/000-002</a> |
|    | <b>Nr. articol: 793-5501/000-005</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; red         | <a href="http://www.wago.com/793-5501/000-005">www.wago.com/793-5501/000-005</a> |
|    | <b>Nr. articol: 793-5501/000-006</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; blue        | <a href="http://www.wago.com/793-5501/000-006">www.wago.com/793-5501/000-006</a> |
|    | <b>Nr. articol: 793-5501/000-007</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; gray        | <a href="http://www.wago.com/793-5501/000-007">www.wago.com/793-5501/000-007</a> |
|    | <b>Nr. articol: 793-5501/000-012</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; orange      | <a href="http://www.wago.com/793-5501/000-012">www.wago.com/793-5501/000-012</a> |
|    | <b>Nr. articol: 793-5501/000-017</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; green       | <a href="http://www.wago.com/793-5501/000-017">www.wago.com/793-5501/000-017</a> |
|  | <b>Nr. articol: 793-5501/000-023</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; light green | <a href="http://www.wago.com/793-5501/000-023">www.wago.com/793-5501/000-023</a> |
|  | <b>Nr. articol: 793-5501/000-024</b><br>WMB marking card; as card; for terminal block width 5 - 17.5 mm; stretchable 5 - 5.2 mm; plain; snap-on type; violet      | <a href="http://www.wago.com/793-5501/000-024">www.wago.com/793-5501/000-024</a> |
| <b>Locking lever</b>   |   |  |
|  | <b>Nr. articol: 2022-141</b><br>Locking lever; can be snapped on 1-conductor female plugs; for 1-pole female plugs; gray  | <a href="http://www.wago.com/2022-141">www.wago.com/2022-141</a>                 |
|  | <b>Nr. articol: 2022-142</b><br>Locking lever; can be snapped on 1-conductor female plugs; for 1-pole female plugs; orange  | <a href="http://www.wago.com/2022-142">www.wago.com/2022-142</a>                 |
|  | <b>Nr. articol: 2022-151</b><br>Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more; gray   | <a href="http://www.wago.com/2022-151">www.wago.com/2022-151</a>                 |
|  | <b>Nr. articol: 2022-152</b><br>Locking lever; can be snapped on 1-conductor female plugs; 2 poles and more; orange   | <a href="http://www.wago.com/2022-152">www.wago.com/2022-152</a>                 |
| <b>Protective Warning Marker</b>   |   |  |
|  | <b>Nr. articol: 2002-115</b><br>Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow   | <a href="http://www.wago.com/2002-115">www.wago.com/2002-115</a>                 |
| <b>Insulation stop</b>   |   |  |

Supus modificărilor.

Nr. articol: 2002-171  
Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray

[www.wago.com/2002-171](http://www.wago.com/2002-171)

Nr. articol: 2002-172  
Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray

[www.wago.com/2002-172](http://www.wago.com/2002-172)

#### Strain relief plate



Nr. articol: 734-326  
Strain relief plate; gray

[www.wago.com/734-326](http://www.wago.com/734-326)



Nr. articol: 734-327  
Strain relief plate; gray

[www.wago.com/734-327](http://www.wago.com/734-327)



Nr. articol: 734-328  
Strain relief plate; gray

[www.wago.com/734-328](http://www.wago.com/734-328)



Nr. articol: 734-329  
Strain relief plate; gray

[www.wago.com/734-329](http://www.wago.com/734-329)



Nr. articol: 734-430  
Strain relief plate; gray

[www.wago.com/734-430](http://www.wago.com/734-430)



Nr. articol: 734-431  
Strain relief plate; gray

[www.wago.com/734-431](http://www.wago.com/734-431)

#### Descărcări

##### Documentation

##### Additional Information

Technical explanations

Apr 3, 2019

pdf  
2,1 MB

Descărcare

##### CAD/CAE-Data

##### CAD data

2D/3D Models 2022-161

URL

Descărcare

##### CAE data

EPLAN Data Portal 2022-161

URL

Descărcare

WSCAD Universe 2022-161

URL

Descărcare

#### Installation Notes

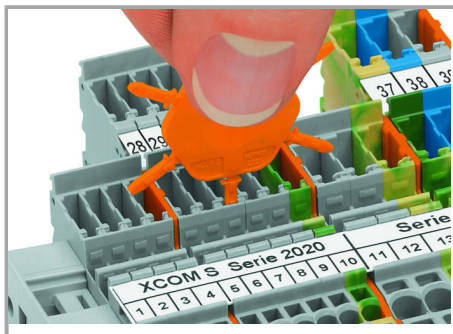
Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



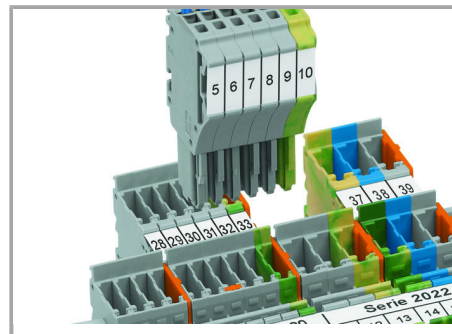
### Coding



Insert coding pin into the corresponding slot and twist it off.

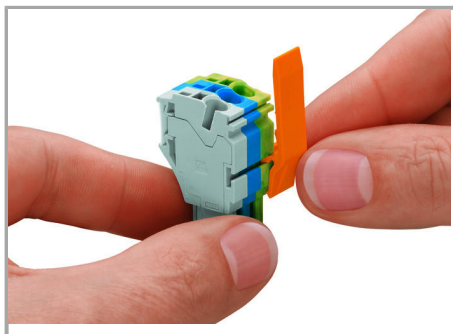


Coding a female plug: remove coding finger using a suitable tool.

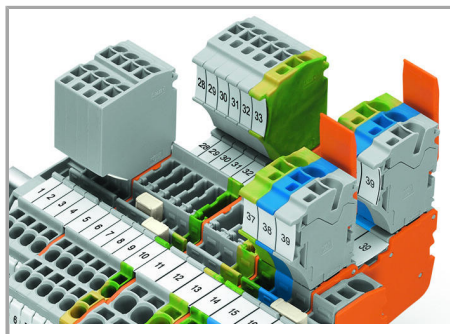


Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.

### Locking lever



Slide the locking lever into position.



Female plugs can be individually locked.

### Familie de produse

#### X-COM S

Afișare globală produse din familie.

Supus modificărilor.