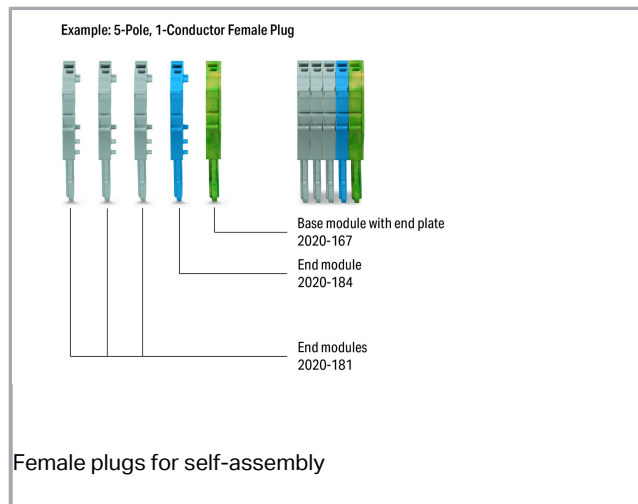


Fișă tehnică | Număr articol: 2020-184

End module for 1-conductor female connector; 1.5 mm<sup>2</sup>; 1-pole; 1,50 mm<sup>2</sup>;  
blue

[www.wago.com/2020-184](http://www.wago.com/2020-184)



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RoHS   
Compliant

BOMcheck.net

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

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

- One base module with an end plate
- Up to 14 end modules

### 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.

### Safety information 2:

Notice: An appropriate end plate must be applied to the carrier terminal blocks after each female plug.

## Date

### Electrical data

### Ratings per IEC/EN 60664-1

| Ratings per                 | IEC/EN 61984  |
|-----------------------------|---|
| Nominal voltage (III/3)     | 500 V   |
| Rated surge voltage (III/3) | 6 kV  |
| Rated current               | 13,5 A  |
| Legend (ratings)            | (III / 3) ≙ Overvoltage category III / Pollution degree 3 |

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### Approvals per UL 1059

|                                |         |
|--------------------------------|---------|
| Rated voltage UL (Use Group B) | 300 V   |
| Rated current UL (Use Group B) | 15 A    |
| Rated voltage UL (Use Group C) | 300 V   |
| Rated current UL (Use Group C) | 15 A    |
| Rated voltage UL (Use Group D) | 300 V   |
| Rated current UL (Use Group D) | 15 A    |
| Approvals per                  | UL 1059 |

### Approvals per CSA

|                                 |       |
|---------------------------------|-------|
| Rated voltage CSA (Use Group B) | 300 V |
| Rated current CSA (Use Group B) | 10 A  |
| Rated voltage CSA (Use Group C) | 300 V |
| Rated current CSA (Use Group C) | 10 A  |

### Connection data

|  |   |
|--|---|
| Connection technology                                      | Push-in CAGE CLAMP®   |
| Actuation type   | Open Tool Slot<br>Push-in   |
| Connectable conductor materials                            | Copper  |
| Nominal cross-section                                      | 1 mm <sup>2</sup>   |
| Solid conductor  | 0,14 ... 1,5 mm <sup>2</sup> / 24 ... 16 AWG  |
| Solid conductor; push-in termination                       | 0,5 ... 1,5 mm <sup>2</sup> / 20 ... 16 AWG   |
| Fine-stranded conductor                                    | 0,14 ... 1,5 mm <sup>2</sup> / 24 ... 16 AWG  |
| Fine-stranded conductor; with insulated ferrule            | 0,5 ... 0,75 mm <sup>2</sup> / 20 ... 18 AWG  |
| Fine-stranded conductor; with ferrule; push-in termination | 0,5 ... 0,75 mm <sup>2</sup> / 20 ... 18 AWG  |
| Strip length   | 9 ... 11 mm / 0.35 ... 0.43 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 | 3,5 mm / 0.138 inch |
|-------|---------------------|

Supus modificărilor.



|        |                      |
|--------|----------------------|
| 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               | blue                 |
| Insulation material | Polyamide 66 (PA 66) |
| Fire load           | 0,039 MJ             |
| Weight              | 2,2 g                |

**Commercial data**

|                       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| Packaging type        | BOX               |
| Country of origin     | CN                |
| GTIN                  | 4050821245179     |
| Customs tariff number | 85366990990       |

**Aprobări / certificate****Country specific Approvals**

| Emblemă  | Aprobare                        | Text de aprobare suplimentar | Nume certificat |
|--|---------------------------------|------------------------------|-----------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                     | NTR NL<br>7617  |
|  | CSA<br>DEKRA Certification B.V. | C22.2 No. 158                | 2516073         |





**Ship Approvals**

Nume


Supus modificărilor.

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



#### UL-Approvals

| Emblemă  | Aprobare                                   | Text de aprobare suplimentar | Nume<br>certificat |
|--|--|------------------------------|--------------------|
|  | <b>UL</b><br>UL International Germany GmbH | UL 1059                      | E45172             |

#### Counterpart

#### Produce compatibile

#### Marking accessories

|  |   |  |
|--|---|--|
|  | <b>Nr. articol: 2009-110</b><br>Marking strips; on reel; not stretchable; plain; snap-on type; white                    | <a href="http://www.wago.com/2009-110">www.wago.com/2009-110</a>                 |
|  | <b>Nr. articol: 2009-113</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white          | <a href="http://www.wago.com/2009-113">www.wago.com/2009-113</a>                 |
|  | <b>Nr. articol: 2009-113/000-002</b><br>WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow | <a href="http://www.wago.com/2009-113/000-002">www.wago.com/2009-113/000-002</a> |

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**Nr. articol: 2009-113/000-005**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; red

[www.wago.com/2009-113/000-005](http://www.wago.com/2009-113/000-005)



**Nr. articol: 2009-113/000-006**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; blue

[www.wago.com/2009-113/000-006](http://www.wago.com/2009-113/000-006)



**Nr. articol: 2009-113/000-007**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; gray

[www.wago.com/2009-113/000-007](http://www.wago.com/2009-113/000-007)



**Nr. articol: 2009-113/000-012**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; orange

[www.wago.com/2009-113/000-012](http://www.wago.com/2009-113/000-012)



**Nr. articol: 2009-113/000-017**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; light green

[www.wago.com/2009-113/000-017](http://www.wago.com/2009-113/000-017)



**Nr. articol: 2009-113/000-023**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; green

[www.wago.com/2009-113/000-023](http://www.wago.com/2009-113/000-023)



**Nr. articol: 2009-113/000-024**  
WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; violet

[www.wago.com/2009-113/000-024](http://www.wago.com/2009-113/000-024)



**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: 793-3501**  
WMB marking card; as card; plain; snap-on type; white

[www.wago.com/793-3501](http://www.wago.com/793-3501)

#### Protective Warning Marker



**Nr. articol: 2000-115**  
Protective warning marker; with high-voltage symbol, black; for 5 terminal blocks; yellow

[www.wago.com/2000-115](http://www.wago.com/2000-115)

#### Strain relief plate



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

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

Supus modificărilor.



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

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

#### ferrule



**Nr. articol: 216-241**  
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

[www.wago.com/216-241](http://www.wago.com/216-241)



**Nr. articol: 216-242**  
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

[www.wago.com/216-242](http://www.wago.com/216-242)



**Nr. articol: 216-243**  
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

[www.wago.com/216-243](http://www.wago.com/216-243)

#### tools



**Nr. articol: 210-647**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-647](http://www.wago.com/210-647)



**Nr. articol: 210-648**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft; angled; short

[www.wago.com/210-648](http://www.wago.com/210-648)



**Nr. articol: 210-719**  
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

[www.wago.com/210-719](http://www.wago.com/210-719)

## Descărcări

### Documentation

#### Additional Information

|                        |             |               |            |
|------------------------|-------------|---------------|------------|
| Technical explanations | Apr 3, 2019 | pdf<br>2,1 MB | Descărcare |
|------------------------|-------------|---------------|------------|

### CAD/CAE-Data

#### CAD data

|                       |     |            |
|-----------------------|-----|------------|
| 2D/3D Models 2020-184 | URL | Descărcare |
|-----------------------|-----|------------|

#### CAE data

|                            |     |            |
|----------------------------|-----|------------|
| EPLAN Data Portal 2020-184 | URL | Descărcare |
|----------------------------|-----|------------|

|                         |     |            |
|-------------------------|-----|------------|
| WSCAD Universe 2020-184 | URL | Descărcare |
|-------------------------|-----|------------|

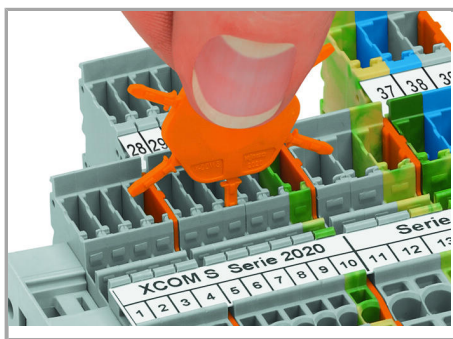
## Installation Notes

### Coding

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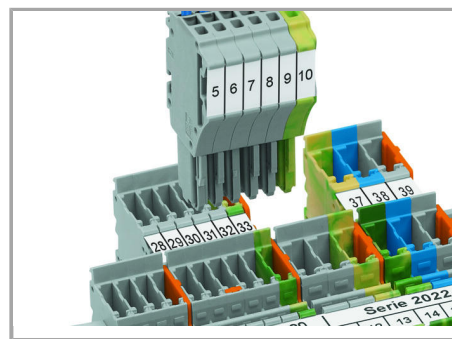
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Insert coding pin into the corresponding slot and twist it off.

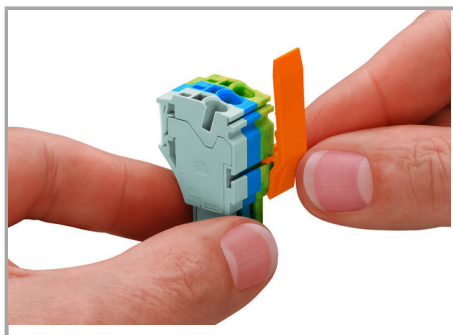


Coding a female plug: remove coding finger using a suitable tool.



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.

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