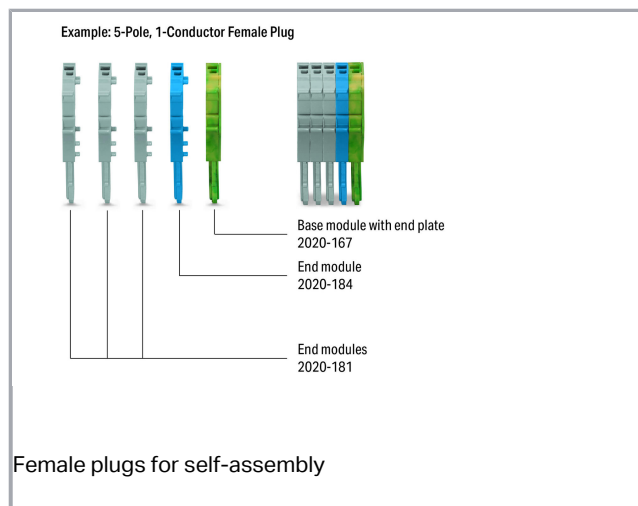


Fișă tehnică | Număr articol: 2020-164

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

[www.wago.com/2020-164](http://www.wago.com/2020-164)



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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

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 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	4,2 mm / 0.165 inch
-------	---------------------

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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	0,055 MJ
Weight	2,8 g

**Commercial data**

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	CN
GTIN	4050821245148
Customs tariff number	85366990990

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

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





**Ship Approvals**

Nume


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

#### UL-Approvals

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

#### Counterpart

#### Produse compatibile

#### 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)

Nr. articol: 734-327

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Strain relief plate; gray

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

## 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)

## 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: 2009-113**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; white

[www.wago.com/2009-113](http://www.wago.com/2009-113)**Nr. articol: 2009-113/000-002**

WMB-Inline; for Smart Printer; 2300 pieces on roll; plain; snap-on type; yellow

[www.wago.com/2009-113/000-002](http://www.wago.com/2009-113/000-002)**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**

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	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>Nr. articol: 210-832</b> 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>Nr. articol: 210-833</b> Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-833">www.wago.com/210-833</a>
	<b>Nr. articol: 210-834</b> Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-834">www.wago.com/210-834</a>
	<b>Nr. articol: 793-3501</b> WMB marking card; as card; plain; snap-on type; white	<a href="http://www.wago.com/793-3501">www.wago.com/793-3501</a>
<b>ferrule</b>		
	<b>Nr. articol: 216-241</b> 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> 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> 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>

## Descărcări

### Documentation

#### Additional Information

Technical explanations	Apr 3, 2019	pdf 2,1 MB	Descărcare
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### CAD/CAE-Data

#### CAD data

2D/3D Models 2020-164	URL	Descărcare
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#### CAE data

EPLAN Data Portal 2020-164	URL	Descărcare
----------------------------	-----	------------

WSCAD Universe 2020-164	URL	Descărcare
-------------------------	-----	------------

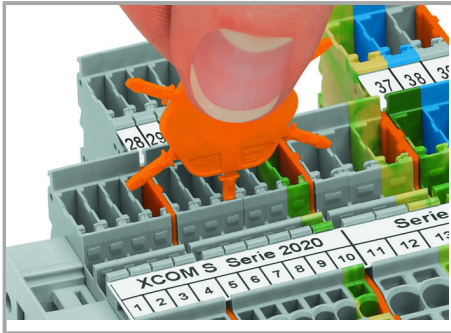
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## Installation Notes

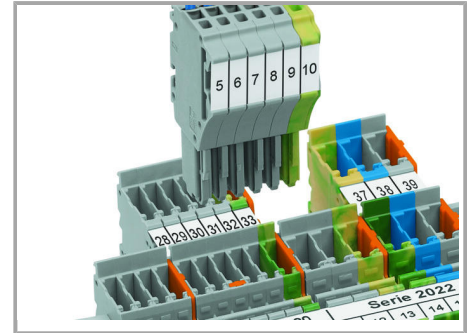
### Coding



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

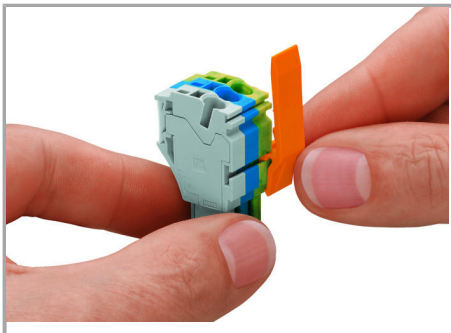


Coding a female plug: remove coding finger using a suitable tool.

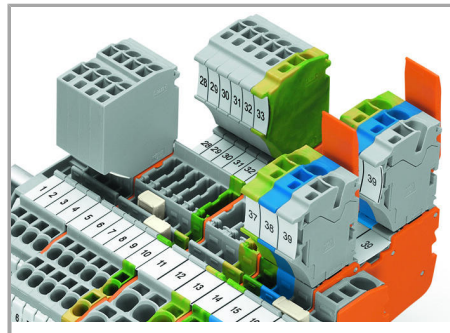


Insert coded female connector into X-COM®S-SYSTEM terminal block assembly.

### 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.

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