

## Fișă tehnică | Număr articol: 769-504

Start module for 2-conductor female connector; with integrated end plate; 4 mm<sup>2</sup>; 1-pole; 4,00 mm<sup>2</sup>; gray

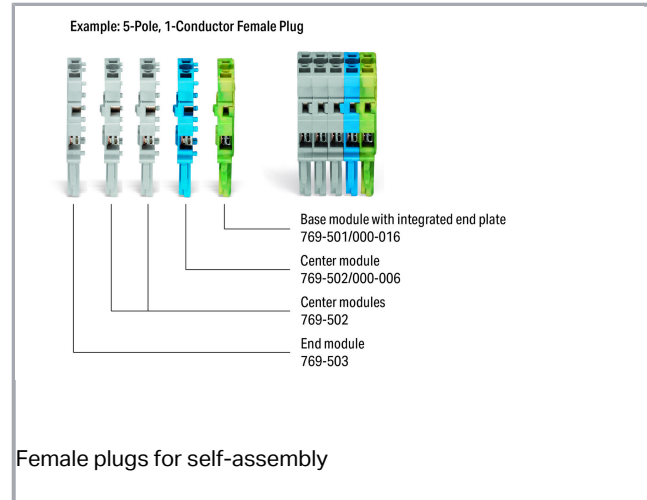
[www.wago.com/769-504](http://www.wago.com/769-504)



RoHS  Compliant

BOMcheck.net

Culoare: ■



### Descriere articol

#### 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

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

Supus modificărilor.

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building 1, 2nd floor | 077190 Voluntari, Ilfov  
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- 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)	500 V
Rated surge voltage (III/3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) $\hat{=}$ 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
Pole No.	1
Total number of connection points	2
Total number of potentials	1
Wiring type	Front-entry wiring

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## Geometrical Data

Width	5 mm / 0.197 inch
Height	45,2 mm / 1.78 inch
Depth	35,9 mm / 1.413 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	gray
Insulation material	Polyamide 66 (PA 66)
Fire load	0,097 MJ
Weight	5,7 g

## Commercial data

Product Group	18 (X-COM-System)
Packaging type	bag
Country of origin	PL
GTIN	4017332331449
Customs tariff number	85366990990

## Aprobări / certificate

### Country specific Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	CCA DEKRA Certification B.V.	EN 61984	2190419.02
	CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626

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CCA



CSA  
DEKRA Certification B.V.

C22.2 No. 158

1101144





KEMA/KEUR  
DEKRA Certification B.V.

EN 60947

2190419.01




## UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	UR Underwriters Laboratories Inc.	UL 1059	20190731- E45172
	UR Underwriters Laboratories Inc.	UL 1977	20151210- E45171

## Counterpart

## Produse compatibile

## Insulation stop


















	<b>Nr. articol: 769-470</b> Insulation stop; 0.08 - 0.2 mm <sup>2</sup> "s" (0.14 mm <sup>2</sup> "f-st"); 5 pieces/strip; white	<a href="http://www.wago.com/769-470">www.wago.com/769-470</a>
	<b>Nr. articol: 769-471</b> Insulation stop; 0.25 - 0.5 mm <sup>2</sup> ; 5 pieces/strip; light gray	<a href="http://www.wago.com/769-471">www.wago.com/769-471</a>
	<b>Nr. articol: 769-472</b> Insulation stop; 0.75 - 1 mm <sup>2</sup> ; 5 pieces/strip; dark gray	<a href="http://www.wago.com/769-472">www.wago.com/769-472</a>

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## Strain relief plate

	<b>Nr. articol: 769-1602</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1602">www.wago.com/769-1602</a>
	<b>Nr. articol: 769-1603</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1603">www.wago.com/769-1603</a>
	<b>Nr. articol: 769-1604</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1604">www.wago.com/769-1604</a>
	<b>Nr. articol: 769-1605</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1605">www.wago.com/769-1605</a>
	<b>Nr. articol: 769-1606</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1606">www.wago.com/769-1606</a>
	<b>Nr. articol: 769-1607</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1607">www.wago.com/769-1607</a>
	<b>Nr. articol: 769-1608</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1608">www.wago.com/769-1608</a>
	<b>Nr. articol: 769-1609</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1609">www.wago.com/769-1609</a>
	<b>Nr. articol: 769-1610</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1610">www.wago.com/769-1610</a>
	<b>Nr. articol: 769-1611</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1611">www.wago.com/769-1611</a>
	<b>Nr. articol: 769-1612</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1612">www.wago.com/769-1612</a>
	<b>Nr. articol: 769-1613</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1613">www.wago.com/769-1613</a>
	<b>Nr. articol: 769-1614</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1614">www.wago.com/769-1614</a>
	<b>Nr. articol: 769-1615</b> Strain relief housing; gray	<a href="http://www.wago.com/769-1615">www.wago.com/769-1615</a>
	<b>Nr. articol: 769-410</b> Strain relief plate; gray	<a href="http://www.wago.com/769-410">www.wago.com/769-410</a>
	<b>Nr. articol: 769-411</b> Strain relief plate; gray	<a href="http://www.wago.com/769-411">www.wago.com/769-411</a>
	<b>Nr. articol: 769-412</b> Strain relief plate; gray	<a href="http://www.wago.com/769-412">www.wago.com/769-412</a>
	<b>Nr. articol: 769-413</b> Strain relief plate; gray	<a href="http://www.wago.com/769-413">www.wago.com/769-413</a>

Supus modificărilor.



**Nr. articol: 769-414**  
Strain relief plate; gray

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

#### Protective Warning Marker



**Nr. articol: 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)

#### ferrule



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)

**Nr. articol: 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)



**Nr. articol: 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)

#### Marking accessories



**Nr. articol: 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)



**Nr. articol: 2009-145/000-002**  
Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow

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

Supus modificărilor.

	<b>Nr. articol: 2009-145/000-005</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; red	<a href="http://www.wago.com/2009-145/000-005">www.wago.com/2009-145/000-005</a>
	<b>Nr. articol: 2009-145/000-006</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; blue	<a href="http://www.wago.com/2009-145/000-006">www.wago.com/2009-145/000-006</a>
	<b>Nr. articol: 2009-145/000-007</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; gray	<a href="http://www.wago.com/2009-145/000-007">www.wago.com/2009-145/000-007</a>
	<b>Nr. articol: 2009-145/000-012</b> 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>Nr. articol: 2009-145/000-023</b> 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>Nr. articol: 2009-145/000-024</b> 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>Nr. articol: 210-831</b> 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: 248-501</b> 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>Nr. articol: 248-501/000-002</b> 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>Nr. articol: 248-501/000-005</b> 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>Nr. articol: 248-501/000-006</b> 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>Nr. articol: 248-501/000-007</b> 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>Nr. articol: 248-501/000-012</b> 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>

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Nr. articol: 248-501/000-017

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; light green

[www.wago.com/248-501/000-017](http://www.wago.com/248-501/000-017)

Nr. articol: 248-501/000-023

Mini-WSB marking card; as card; not stretchable; plain; snap-on type; green

[www.wago.com/248-501/000-023](http://www.wago.com/248-501/000-023)

Nr. articol: 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)

### Locking lever



Nr. articol: 769-428

Locking lever; gray

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

Nr. articol: 769-429

Locking lever; orange

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

### check



Nr. articol: 210-136

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

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

Nr. articol: 210-137

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

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

## Descărcări

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf  
2,1 MB

Descărcare

### CAD/CAE-Data

#### CAD data

2D/3D Models 769-504

URL

Descărcare

#### CAE data

EPLAN Data Portal 769-504

URL

Descărcare

WSCAD Universe 769-504

URL

Descărcare

### Installation Notes

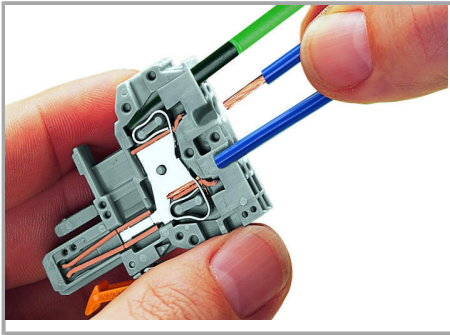
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### Conductor termination



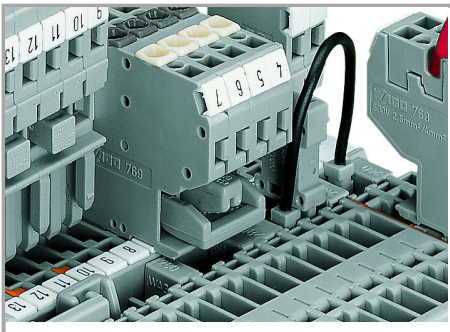
### CAGE CLAMP® connection

Female plug: Inserting/removing a conductor via operating tool.

Operation 90° to conductor is also possible.

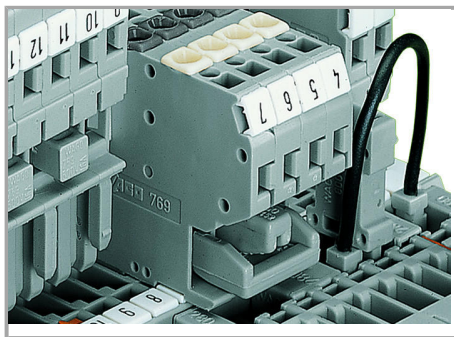
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

### Commoning



Commoning a 2-conductor female plug via staggered jumper and carrier terminal blocks via adjacent jumpers.

Supus modificărilor.



#### Commoning options of female plugs:

- After removal, commoned potentials still remain commoned
- 
- Use of plug-in jumpers instead of additional wired jumpers
- 
- Can be used as a "hardware" key for safety lockout
- 
- Can also be used as a commoning jumper for sensor circuits or machine programming
- 

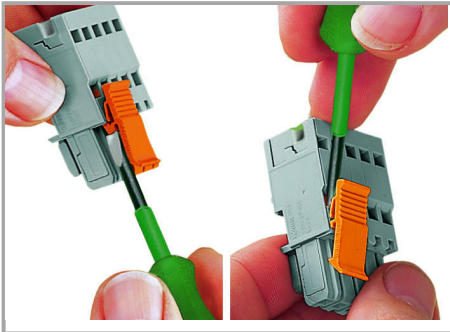
#### Coding



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.

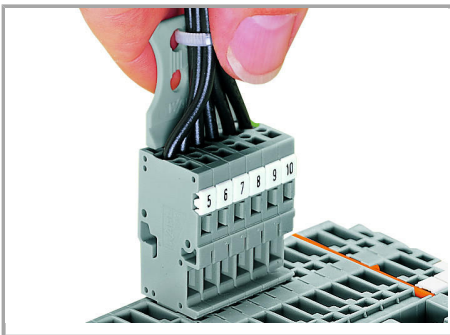
Supus modificărilor.

### Locking lever



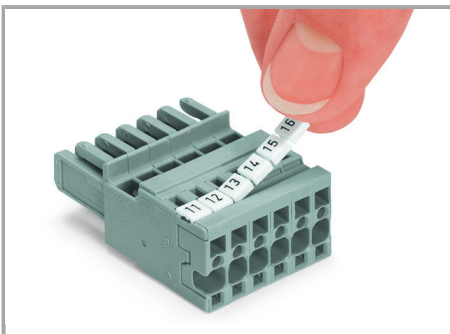
Locking/releasing a lever.

### Strain Relief



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

### Marking



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

## Familie de produse

Supus modificărilor.



X-COM

Afișare globală produse din familie.

Supus modificărilor.

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