

## Descriere articol

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

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.

**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) ≙ 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.	12
Total number of connection points	12
Total number of potentials	12
Wiring type	Front-entry wiring

**Geometrical Data**

Width	60 mm / 2.362 inch
Height	45,2 mm / 1.78 inch
Depth	18,3 mm / 0.72 inch
Module width	5 mm / 0.197 inch

**Mechanical data**

Marking level	Side marking
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Supus modificărilor.

## 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	0,638 MJ
Weight	38,8 g

## Commercial data

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	DE
GTIN	4044918472012
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-7626
	CCA DEKRA Certification B.V.	EN 61984	2190419.02
	CSA DEKRA Certification B.V.	C22.2 No. 158	1101144
	KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01

### Ship Approvals



Supus modificărilor.

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Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>ABS</b> American Bureau of Shipping	EN 60947	20- HG1941090- PDA




## UL-Approvals

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

## Counterpart

## Produce compatibile
















## Marking accessories

	<b>Nr. articol: 2009-145</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; white	<a href="http://www.wago.com/2009-145">www.wago.com/2009-145</a>
	<b>Nr. articol: 2009-145/000-002</b> Mini-WSB Inline; for Smart Printer; 1700 pieces on roll; stretchable 5 - 5.2 mm; plain; snap-on type; yellow	<a href="http://www.wago.com/2009-145/000-002">www.wago.com/2009-145/000-002</a>
	<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>

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	<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: 210-805</b> Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; white	<a href="http://www.wago.com/210-805">www.wago.com/210-805</a>
	<b>Nr. articol: 210-805/000-002</b> Labels; for Smart Printer; permanent adhesive; 6 x 15 mm; yellow	<a href="http://www.wago.com/210-805/000-002">www.wago.com/210-805/000-002</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: 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: 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>

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**Nr. articol: 248-501/000-012**

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

[www.wago.com/248-501/000-012](http://www.wago.com/248-501/000-012)**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)**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)**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)

Supus modificărilor.



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)

## 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)

## 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)

Nr. articol: 769-430

Locking lever; gray

[www.wago.com/769-430](http://www.wago.com/769-430)

Nr. articol: 769-431

Locking lever; orange

[www.wago.com/769-431](http://www.wago.com/769-431)

## Strain relief plate



Nr. articol: 769-1612

Strain relief housing; gray

[www.wago.com/769-1612](http://www.wago.com/769-1612)

Nr. articol: 769-414

Strain relief plate; gray

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

## Male plug



Nr. articol: 769-612

1-conductor male connector; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-612](http://www.wago.com/769-612)

Nr. articol: 769-612/001-000

1-conductor male connector; Snap-in mounting feet; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 4,00 mm<sup>2</sup>; gray /001-000[www.wago.com/769-612](http://www.wago.com/769-612)

Nr. articol: 769-612/002-000

1-conductor male connector; clamping collar; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-612](http://www.wago.com/769-612)  
/002-000

Nr. articol: 769-612/004-000

1-conductor male connector; Feedthrough flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-612](http://www.wago.com/769-612)  
/004-000

Nr. articol: 769-612/005-000

1-conductor male connector; Snap-in flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-612](http://www.wago.com/769-612)  
/005-000

Nr. articol: 769-612/006-000












1-conductor male connector; Snap-in flange; 4 mm<sup>2</sup>; Pin spacing 5 mm; 12-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-612](http://www.wago.com/769-612)  
/006-000

Nr. articol: 769-642

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 12-pole; gray

[www.wago.com/769-642](http://www.wago.com/769-642)

Supus modificărilor.

	<b>Nr. articol: 769-642/003-000</b> THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/769-642/003-000">www.wago.com/769-642/003-000</a>
	<b>Nr. articol: 769-642/004-000</b> THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/769-642/004-000">www.wago.com/769-642/004-000</a>
	<b>Nr. articol: 769-642/007-000</b> THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/769-642/007-000">www.wago.com/769-642/007-000</a>
	<b>Nr. articol: 769-672</b> THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/769-672">www.wago.com/769-672</a>
	<b>Nr. articol: 769-672/003-000</b> THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/769-672/003-000">www.wago.com/769-672/003-000</a>
	<b>Nr. articol: 769-672/004-000</b> THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 12-pole; gray	<a href="http://www.wago.com/769-672/004-000">www.wago.com/769-672/004-000</a>
<b>General accessories</b>		
	<b>Nr. articol: 769-436</b> Jumper cover; for 1-conductor female plugs; for 5 poles; gray	<a href="http://www.wago.com/769-436">www.wago.com/769-436</a>
<b>Jumper</b>		
	<b>Nr. articol: 769-402</b> Miniature adjacent jumper; insulated; suitable for 1-conductor female plugs; gray	<a href="http://www.wago.com/769-402">www.wago.com/769-402</a>
<b>Insulation stop</b>		
	<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>

## Descărcări

### Documentation

#### Additional Information

Technical explanations

Apr 3, 2019

pdf  
2,1 MB

Descărcare

Supus modificărilor.

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## CAD/CAE-Data

### CAD data

2D/3D Models 769-112

[URL](#)

[Descărcare](#)

### CAE data

EPLAN Data Portal 769-112

[URL](#)

[Descărcare](#)

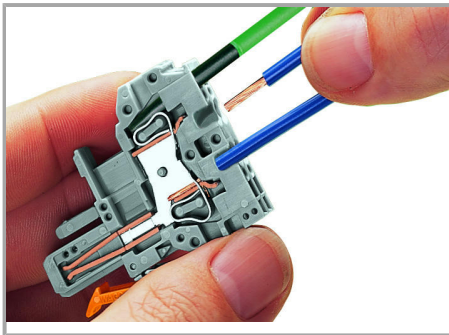
WSCAD Universe 769-112

[URL](#)

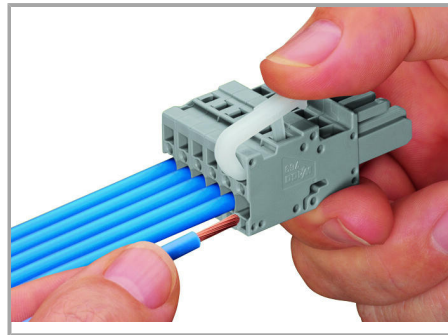
[Descărcare](#)

## Installation Notes

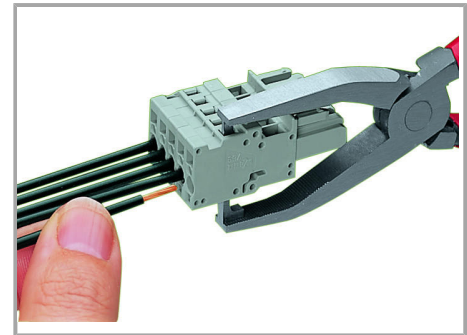
### Conductor termination



CAGE CLAMP® connection



Operating lever



Operating tool

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

Inserting a conductor via operating tool – side-entry wiring (example shows a female plug).

Inserting a conductor via operating tool – side-entry wiring (example shows a female plug).

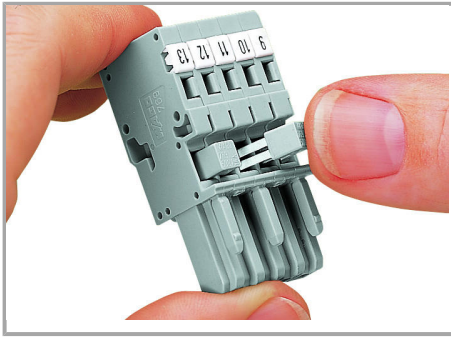
Operation 90° to conductor is also possible.

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

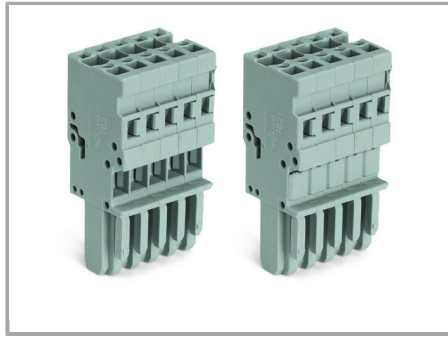
With ferruled conductors, it is necessary to use a terminal block one size smaller than the conductor's nominal cross section.

### Commoning

Supus modificărilor.



Commoning 1-conductor female plugs via miniature adjacent jumpers.



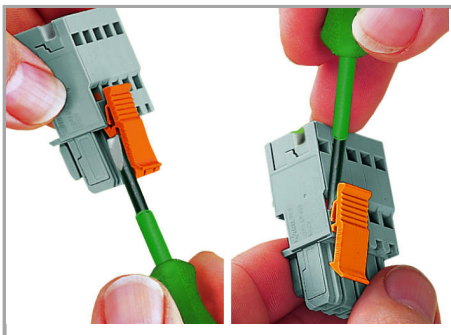
Jumper cover for 1-conductor female plugs

### 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.

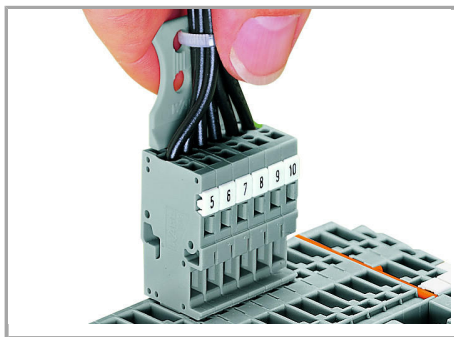
### Locking lever



Locking/releasing a lever.

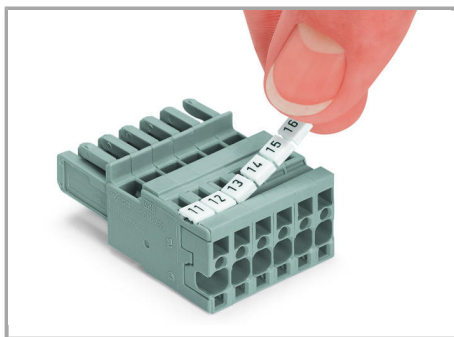
### Strain Relief

Supus modificărilor.



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

##### X-COM

Afișare globală produse din familie.

Supus modificărilor.