

**Data sheet | Item number: 769-603**

1-conductor male connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 3-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-603](http://www.wago.com/769-603)



**Data**

**Electrical data**

Subject to changes. Please also observe the further product documentation!

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### Ratings per IEC/EN

Nominal voltage (III/3)	500 V
Rated impulse voltage (III/3)	6 kV
Rated current	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

### Connection data

Connection points	3
Total number of potentials	3

### Connection 1

Connection technology	CAGE CLAMP®
Actuation type	Operating tool
Connectable conductor materials	Copper
Nominal cross-section	4 mm <sup>2</sup> / 12 AWG
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 inches
Pole number	3
Wiring direction	Front-entry wiring

### Physical data

Pin spacing	5 mm / 0.197 inches
Width	18.6 mm / 0.732 inches
Height	18.3 mm / 0.72 inches
Depth	40.2 mm / 1.583 inches

### Mechanical Data

Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
Mounting type	Flying leads
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Male connector/plug
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Subject to changes. Please also observe the further product documentation!



Connector (connection type)	for conductor
Mismating protection	No
Plugging without loss of pin spacing	No

## Material Data

Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.236 MJ
Weight	9.4 g

## Environmental requirements

Processing temperature	-35 ... +85 °C
Continuous operating temperature	-60 ... +105 °C

## Commercial data

Product Group	18 (X-COM-System)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	box
Country of origin	PL
GTIN	4044918520799
Customs tariff number	85366930000

## Environmental Product Compliance

RoHS Compliance Status	Compliant, No Exemption
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## Approvals / Certificates

### General approvals

Certificate

Subject to changes. Please also observe the further product documentation!



Logo	Approval	Additional Approval Text	name
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL-7626
	<b>CCA</b> DEKRA Certification B.V.	EN 61984	2190419.02
	<b>CCA</b> DEKRA Certification B.V.	IEC 61984	NL-47799/A1
	<b>CSA</b> CSA Group	C22.2	1101144
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60947	2190419.01
	<b>UL</b> Underwriters Laboratories Inc.	UL 1977	E 45171
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	E45172

#### Declarations of conformity and manufacturer's declarations

Logo	Approval	Additional Approval Text	Certificate name
	<b>EU-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-
	<b>UK-Declaration of Conformity</b> WAGO GmbH & Co. KG	-	-

#### Approvals for marine applications

Logo	Approval	Additional Approval Text	Certificate name
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

#### Counterpart

Item no.769-103/021-000

1-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 3-pole; coding finger; Lateral locking levers; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-103/021-000](http://www.wago.com/769-103/021-000)

#### Optional accessories

##### Coding

Coding

Item no.: 769-435

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

[www.wago.com/769-435](http://www.wago.com/769-435)

##### Strain relief

Subject to changes. Please also observe the further product documentation!

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## Strain relief

<b>Item no.: 769-1603</b> Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 3-pole; gray	<a href="http://www.wago.com/769-1603">www.wago.com/769-1603</a>
<b>Item no.: 769-411</b> Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2- to 3-pole; gray	<a href="http://www.wago.com/769-411">www.wago.com/769-411</a>

## Marking accessories

## Marking strip

<b>Item no.: 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>Item no.: 210-833</b> Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-833">www.wago.com/210-833</a>
<b>Item no.: 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>Item no.: 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>

## Marker

<b>Item no.: 248-501</b> Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white	<a href="http://www.wago.com/248-501">www.wago.com/248-501</a>
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## Protective warning marker

## Cover

<b>Item no.: 280-415</b> Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow	<a href="http://www.wago.com/280-415">www.wago.com/280-415</a>
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## Ferrule

## Ferrule

<b>Item no.: 216-101</b> Ferrule; Sleeve for 0.5 mm <sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-101">www.wago.com/216-101</a>
<b>Item no.: 216-104</b> Ferrule; Sleeve for 1.5 mm <sup>2</sup> / AWG 16; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-104">www.wago.com/216-104</a>
<b>Item no.: 216-102</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / AWG 20; uninsulated; electro-tin plated; silver-colored	<a href="http://www.wago.com/216-102">www.wago.com/216-102</a>
<b>Item no.: 216-103</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; uninsulated; electro-tin plated	<a href="http://www.wago.com/216-103">www.wago.com/216-103</a>
<b>Item no.: 216-203</b> Ferrule; Sleeve for 1 mm <sup>2</sup> / AWG 18; insulated; electro-tin plated; red	<a href="http://www.wago.com/216-203">www.wago.com/216-203</a>
<b>Item no.: 216-206</b> Ferrule; Sleeve for 2.5 mm <sup>2</sup> / AWG 14; insulated; electro-tin plated; blue	<a href="http://www.wago.com/216-206">www.wago.com/216-206</a>
<b>Item no.: 216-202</b> Ferrule; Sleeve for 0.75 mm <sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray	<a href="http://www.wago.com/216-202">www.wago.com/216-202</a>

Subject to changes. Please also observe the further product documentation!

**Item no.: 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)**Item no.: 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)**Insulation stop**

Insulation stop

**Item no.: 769-470**Insulation stop; 0.08 - 0.2 mm<sup>2</sup> "s" (0.14 mm<sup>2</sup> "f-st"); 5 pieces/strip; white[www.wago.com/769-470](http://www.wago.com/769-470)**Item no.: 769-471**Insulation stop; 0.25 - 0.5 mm<sup>2</sup>; 5 pieces/strip; light gray[www.wago.com/769-471](http://www.wago.com/769-471)**Item no.: 769-472**Insulation stop; 0.75 - 1 mm<sup>2</sup>; 5 pieces/strip; dark gray[www.wago.com/769-472](http://www.wago.com/769-472)**Tool**

Operating tool

**Item no.: 210-490**

Operating tool

[www.wago.com/210-490](http://www.wago.com/210-490)**Item no.: 769-434**

Operating tool; made of insulating material; 1-way; loose; white

[www.wago.com/769-434](http://www.wago.com/769-434)**Downloads****Documentation****Bid Text**

769-603 X81 - Datei	2019 年2月19 日	xml 3.2 kB	Download
769-603 doc - Datei	2017 年10月4 日	doc 25.1 kB	Download

**Additional Information**pdf  
2.3 MB  
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2D/3D Models 769-603	URL	Download
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**CAE data**

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WSCAD Universe 769-603	<a href="#">URL</a>	<a href="#">Download</a>
ZUKEN Portal 769-603	<a href="#">URL</a>	<a href="#">Download</a>

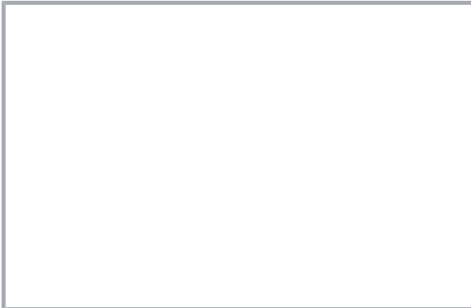
## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 769-603 1-conductor male connector; CAGE CLAMP®; 4 mm <sup>2</sup> ; Pin spacing 5 mm; 3-pole; 4,00 mm <sup>2</sup> ; gray	<a href="#">URL</a>	<a href="#">Download</a>
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## Installation Notes

### Conductor termination



### Operating tool

Inserting a conductor via operating tool  
(example shows a male connector).

### Application

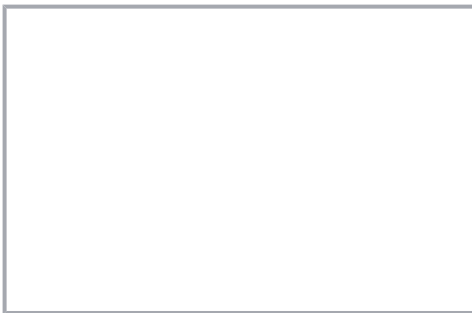
Subject to changes. Please also observe the further product documentation!



Male connector with CAGE CLAMP®  
connection

1-connector female plug, straight

#### Marking



Labeling a male connector with CAGE CLAMP®  
connection via Mini-WSB Quick Markers.

#### Product family

**X-COM**

[Show all products from the family](#)

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