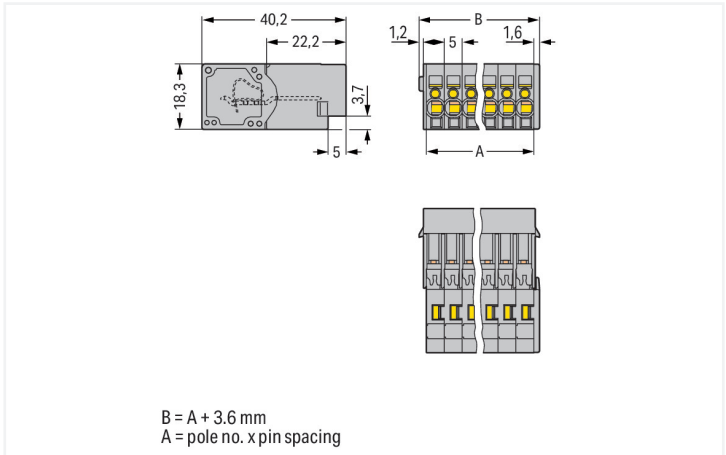




Color: ■ gray



Dimensions in mm

Male connector, 769 Series, CAGE CLAMP®

Our male connector (item number 769-615) is designed for seamless electrical installations. Pluggable rail-mount terminal blocks are primarily found in switchgear units and control systems, most notably in railroad technology. These innovative systems combine the benefits of rail-mount terminal blocks and connectors for a flexible and reliable wiring system. You also have the option of pre-assembling installations, which not only makes production but also installation, operation, and maintenance more efficient and cost-effective. Rated current and voltage are key factors to consider when choosing a pluggable rail-mount terminal block, as they determine the product's suitability for different applications. This product has a rated voltage of 500 V and a rated current of 32 A. Ensure that the strip lengths are between 8 mm and 9 mm when connecting conductors to this male connector. This product features conductor terminals and utilizes CAGE CLAMP®. Our CAGE CLAMP® connection offers a convenient and maintenance-free way to connect all types of conductors. You do not need to prepare the conductor in any way, such as crimping ferrules. Dimensions: 78.6 x 18.3 x 40.2 mm (width x height x depth). Depending on the type of conductor, this male connector is suitable for conductor cross sections ranging from 0.08 mm² to 4 mm². Up to fifteen potentials / fifteen poles can be connected to this terminal strip using fifteen clamping points. The gray housing is made of polyamide (PA66) for insulation. This male connector/plug is operated with an operating tool. You can connect copper conductors thanks to front-entry wiring.

Electrical data

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

Connection data

Clamping units	15	Connection 1	
Total number of potentials	15	Connection technology	CAGE CLAMP®
		Actuation type	Operating tool
		Connectable conductor materials	Copper
		Nominal cross-section	4 mm² / 12 AWG
		Solid conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Fine-stranded conductor	0.08 ... 4 mm² / 28 ... 12 AWG
		Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
		Pole number	15
		Wiring direction	Front-entry wiring



Physical data	
Pin spacing	5 mm / 0.197 inches
Width	78.6 mm / 3.094 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
Connector (connection type)	for conductor
Mismating protection	No

Material data	
Note (material data)	Information on material specifications can be found here
Color	gray
Material group	I
Insulation material (main housing)	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.867 MJ
Weight	43.4 g

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

Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	10 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918521888
Customs tariff number	85366930000

Product Classification	
UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 8.0	EC001284
ECCN	NO US CLASSIFICATION



Environmental Product Compliance	
RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals			Declarations of conformity and manufacturer's declarations		
Approval	Standard	Certificate Name	Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626	EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
CCA DEKRA Certification B.V.	EN 61984	2190419.02	Railway WAGO GmbH & Co. KG	-	Z00004428.000
CCA DEKRA Certification B.V.	IEC 61984	NL-47799/A1			
CSA CSA Group	C22.2	1101144			
KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01			
UL Underwriters Laboratories Inc.	UL 1059	E45172			
UL Underwriters Laboratories Inc.	UL 1977	20151210-E45171			

Approvals for marine applications

Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2

Downloads

Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 769-615	

Documentation

Bid Text			
769-615	19.02.2019	xml 3.09 KB	
769-615	04.10.2017	doc 25.00 KB	



CAD/CAE-Data	
<div>CAD data</div> <div>2D/3D Models 769-615</div> <div>↓</div>	<div>CAE data</div> <div>EPLAN Data Portal 769-615</div> <div>↓</div> <div>WSCAD Universe 769-615</div> <div>↓</div> <div>ZUKEN Portal 769-615</div> <div>↓</div>

1 Compatible Products
1.1 System counterpart
1.1.1 Female connector/socket



<div>Item No.: 769-115</div> <div>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 15-pole; coding finger; 4,00 mm²; gray</div>	<div>Item No.: 769-115/021-000</div> <div>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 15-pole; coding finger; Lateral locking levers; 4,00 mm²; gray</div>	<div>Item No.: 769-135</div> <div>2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 15-pole; coding finger; 4,00 mm²; gray</div>
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1.2 Optional Accessories
1.2.1 Coding
1.2.1.1 Coding



<div>Item No.: 769-435</div> <div>Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange</div>

1.2.2 Ferrule
1.2.2.1 Ferrule



<div>Item No.: 216-201</div> <div>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white</div>	<div>Item No.: 216-101</div> <div>Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored</div>	<div>Item No.: 216-202</div> <div>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div>	<div>Item No.: 216-102</div> <div>Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored</div>
<div>Item No.: 216-203</div> <div>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</div>	<div>Item No.: 216-103</div> <div>Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated</div>	<div>Item No.: 216-204</div> <div>Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black</div>	<div>Item No.: 216-104</div> <div>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored</div>
<div>Item No.: 216-206</div> <div>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue</div>			



1.2.3 Insulation stop

1.2.3.1 Insulation stop



Item No.: 769-470
Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white



Item No.: 769-471
Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray



Item No.: 769-472
Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray

1.2.4 Marking

1.2.4.1 Marker



Item No.: 248-501
Mini-WSB marking card; as card; not stretchable; plain; snap-on type; white

1.2.4.2 Marking strip



Item No.: 210-833
Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white



Item No.: 210-831
Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white



Item No.: 210-832
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



Item No.: 210-834
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

1.2.5 Protective warning marker

1.2.5.1 Cover



Item No.: 280-415
Protective warning marker; for 5 terminal blocks; with high-voltage symbol, black; yellow

1.2.6 Strain relief

1.2.6.1 Strain relief



Item No.: 769-1615
Strain relief housing; for female and male connectors; 2 parts; Pin spacing 5 mm; 15-pole; gray



Item No.: 769-414
Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 10- to 15-pole; gray

1.2.7 Tool

1.2.7.1 Operating tool



[Item No.: 210-490](#)
Operating tool

[Item No.: 769-434](#)
Operating tool; made of insulating material; 1-way; loose; white

Installation Notes

Conductor termination



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

Application



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.