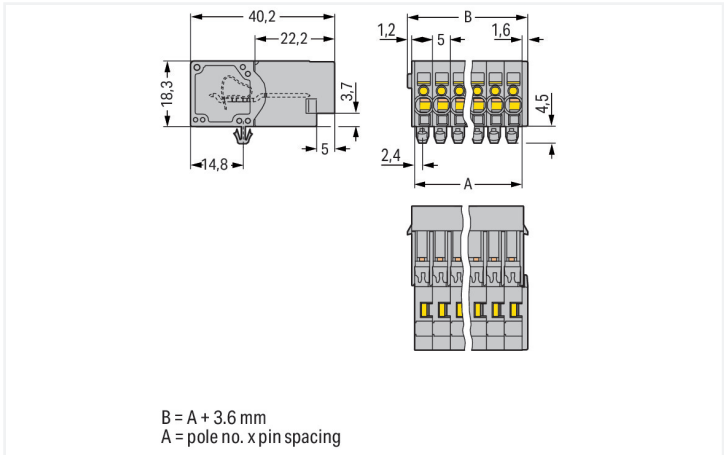




Color: ■ gray



Dimensions in mm

Male connector, 769 Series, operating tool

Enjoy fault-free electrical installations with this male connector (item number 769-605/001-000). Conductors should only be connected to this male connector if their strip length is between 8 and 9 mm . Pluggable rail-mount terminal blocks are hugely popular in switchgear and control systems, for example, in railroad technology. They combine the best of rail-mount terminal blocks and connectors to create the perfect solution. Variable wiring systems make pre-assembly easy, which leads to considerable time and cost savings in production, installation, operation, and maintenance. Featuring conductor terminals along with CAGE CLAMP®, this product outperforms the competition. Our CAGE CLAMP® connection offers a dependable 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. Depending on the conductor type, this male connector is designed for conductor cross sections ranging from 0.08 mm² to 4 mm².

This male connector/plug is operated with an operating tool.

Electrical data			
Ratings per IEC/EN		General information	
Nominal voltage (III/3)	500 V	Wiring direction	Front-entry wiring
Rated impulse withstand voltage (III / 3)	6 kV		
Rated current	32 A		
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3		

Connection Data		Connection 1	
Clamping units	5	Connection technology	CAGE CLAMP®
Total number of potentials	5	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	5



Connection 1	
Wiring direction	Front-entry wiring

Physical data	
Pin spacing	5 mm / 0.197 inches
Width	28.6 mm / 1.126 inches
Height from the surface	18.3 mm / 0.72 inches
Depth	40.2 mm / 1.583 inches

Mechanical data	
Variable coding	Yes
Housing sheet thickness	0.6 ... 1.2 mm / 0.024 ... 0.047 inches
Direct ground contact to DIN-rail/drilled hole/housing	No
Mounting type	Snap-in foot
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	0.301 MJ
Weight	15.1 g

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

Commercial data	
Product Group	18 (X-COM-System)
PU (SPU)	50 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918522007
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 10.0		EC001284
ECCN		NO US CLASSIFICATION

Environmental Product Compliance		
RoHS Compliance Status		Compliant, No Exemption

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 60947	NTR NL-7626
CCA DEKRA Certification B.V.	EN 61984	2190419.02
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

Declarations of conformity and manufacturer's declarations



Approval	Standard	Certificate Name
EU-Declaration of Confor- mity WAGO GmbH & Co. KG	-	-
Railway WAGO GmbH & Co. KG	-	Z00004428.000

Approvals for marine applications



Approval	Standard	Certificate Name
DNV GL Det Norske Veritas, Ger- manischer Lloyd	-	TAE00001V2
PRS Polski Rejestr Statków	-	TE/1094/880590/23



Downloads			
Environmental Product Compliance			
Compliance Search			
Environmental Product Compliance			↓
769-605/001-000			

Documentation			
Bid Text			
769-605/001-000	19.02.2019	xml 3.28 KB	↓
769-605/001-000	04.10.2017	doc 25.00 KB	↓

CAD/CAE-Data			
CAD data		CAE data	
2D/3D Models		EPLAN Data Portal	↓
769-605/001-000	↓	769-605/001-000	
		WSCAD Universe	↓
		769-605/001-000	
		ZUKEN Portal	↓
		769-605/001-000	

1 Compatible Products		
1.1 System counterpart		
1.1.1 Female connector/socket		
		
Item No.: 769-105 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 5-pole; coding finger; 4,00 mm²; gray	Item No.: 769-105/021-000 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 5-pole; coding finger; Lateral locking levers; 4,00 mm²; gray	Item No.: 769-125 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 5-pole; coding finger; 4,00 mm²; gray

1.2 Optional Accessories	
1.2.1 Coding	
1.2.1.1 Coding	
	
Item No.: 769-435 Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange	



1.2.2 Ferrule

1.2.2.1 Ferrule



Item No.: 216-201
Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white



Item No.: 216-101
Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored



Item No.: 216-202
Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray



Item No.: 216-102
Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored



Item No.: 216-203
Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red



Item No.: 216-103
Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated



Item No.: 216-204
Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black



Item No.: 216-104
Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored



Item No.: 216-206
Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

1.2.3 Installation

1.2.3.1 Mounting accessories



Item No.: 209-137
Mounting adapter; can be used as end stop; 6.5 mm wide; gray

1.2.4 Insulation stop

1.2.4.1 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

1.2.5 Marking

1.2.5.1 Marker



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



1.2.5.2 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

1.2.6 Protective warning marker

1.2.6.1 Cover



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

1.2.7 Strain relief

1.2.7.1 Strain relief



Item No.: 769-412
Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 4- to 5-pole; gray

1.2.8 Tool

1.2.8.1 Operating tool



Item No.: 210-490
Operating tool



Item No.: 769-434
Operating tool; made of insulating material; 1-way; loose; white

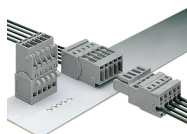
Installation Notes

Conductor termination



Operating tool
Inserting a conductor via operating tool (example shows a male connector with snap-in mounting feet).

Application



Male connector with CAGE CLAMP® connection and snap-in mounting feet
1-connector female plug, straight

Marking



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