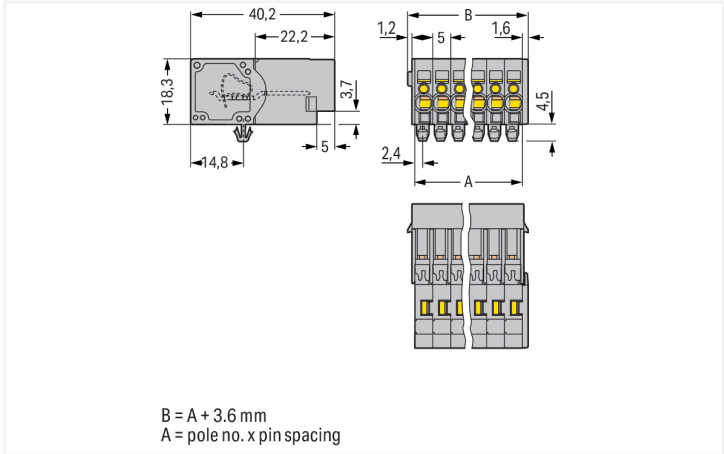




Color: ■ gray



Dimensions in mm

Male connector, 769 Series, with 5 mm pin spacing

Our male connector (item number 769-605/001-000) simplifies electrical installations. Ensure that the strip lengths are between 8 and 9 mm when connecting conductors to this male connector. 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 for the perfect solution. Variable wiring systems make pre-assembly easy, which saves both time and money in production, installation, operation, and maintenance. This product features conductor terminals and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® is the industry standard for connection technology and electrical interconnections. Depending on the conductor type, this male connector is suitable for conductor cross sections ranging from 0.08 mm² to 4 mm².

Proven and maintenance-free – the CAGE CLAMP® universal connection

An operating tool is used to operate this male connector/plug.

- Pin spacing: 5 mm
- Permanently secure connections
- 5 connection points
- Actuation via operating tool
- The right solution for every wiring task

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			
Clamping units	5	Connection 1	
Total number of potentials	5	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



Connection 1	
Fine-stranded conductor	0.08 ... 4 mm ² / 28 ... 12 AWG
Strip length	8 ... 9 mm / 0.31 ... 0.35 inches
Pole number	5
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	0.269 MJ
Weight	15 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			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 Conformity 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, Germanischer 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	
2D/3D Models	769-605/001-000

CAE data	
EPLAN Data Portal	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

			
<div>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</div>	<div>Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored</div>	<div>Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</div>	<div>Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / 18 AWG; uninsulated; electro-tin plated; silver-colored</div>
			
<div>Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</div>	<div>Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated</div>	<div>Item No.: 216-204 Ferrule; Sleeve for 1.5 mm² / AWG 16; insulated; electro-tin plated; black</div>	<div>Item No.: 216-104 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored</div>
			
<div>Item No.: 216-206 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue</div>			

1.2.3 Installation

1.2.3.1 Mounting accessories


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

1.2.4 Insulation stop

1.2.4.1 Insulation stop

		
<div>Item No.: 769-470 Insulation stop; 0.08 - 0.2 mm² "s" (0.14 mm² "f-st"); 5 pieces/strip; white</div>	<div>Item No.: 769-471 Insulation stop; 0.25 - 0.5 mm²; 5 pieces/strip; light gray</div>	<div>Item No.: 769-472 Insulation stop; 0.75 - 1 mm²; 5 pieces/strip; dark gray</div>

1.2.5 Marking

1.2.5.1 Marker


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



1.2.5.2 Marking strip



Item No.: 210-831
Marking strips; 25 m on roll; 2.3 mm wide; plain; Self-adhesive; white



Item No.: 210-832
Marking strips; 25 m on roll; 3 mm wide; plain; Self-adhesive; white



Item No.: 210-834
Marking strips; 25 m on roll; 5 mm wide; plain; Self-adhesive; white



Item No.: 210-833
Marking strips; 25 m on roll; 6 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

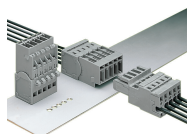
Installation Notes

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.