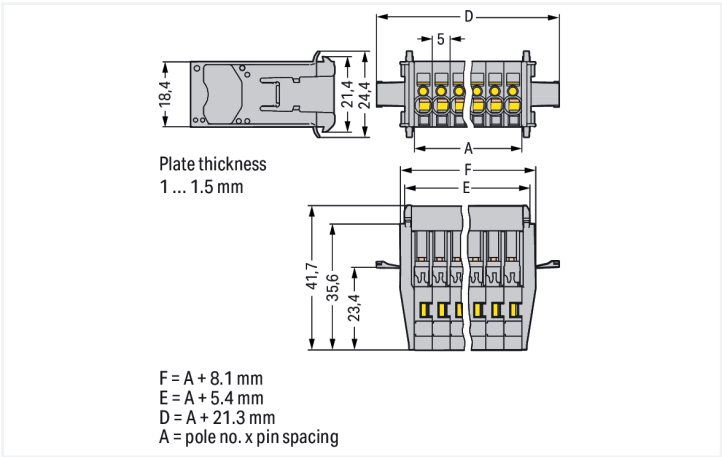
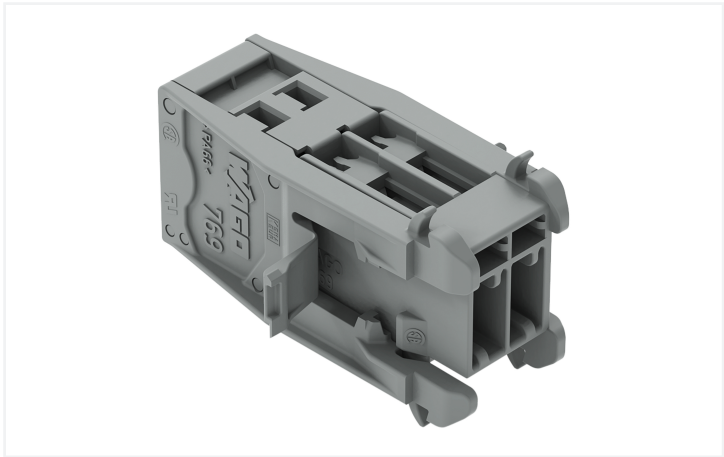


Data Sheet | Item Number: 769-613/005-000
1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole;
Snap-in flange; 4,00 mm²; gray
<https://www.wago.com/769-613/005-000>



Color: ■ gray Similar to illustration Dimensions in mm

Male connector, 769 Series, CAGE CLAMP®

Our male connector (item number 769-613/005-000) simplifies electrical installations. 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 mainly used in switchgear units and control systems (e.g., in railroad technology). They are essentially a combination of rail-mount terminal blocks and pluggable connectors. You can also pre-assemble installations thanks to the variable wiring system. This saves both time and money during manufacture, installation, operation, and maintenance. Featuring conductor terminals along with CAGE CLAMP®, this product outperforms the competition. Our CAGE CLAMP® connection offers a safe 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: (86.3 x 24.4 x 41.7) mm (width x height x depth). This male connector is suitable 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) Δ Overvoltage category III / Pollution degree 3		

Connection Data			
Clamping units	13	Connection 1	
Total number of potentials	13	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

Connection 1

Pole number	13
Wiring direction	Front-entry wiring

Physical data

Pin spacing	5 mm / 0.197 inches
Width	86.3 mm / 3.398 inches
Height	24.4 mm / 0.961 inches
Depth	41.7 mm / 1.64 inches

Mechanical data

Variable coding	Yes
Direct ground contact to DIN-rail/drilled hole/housing	No
Mounting type	Snap-in flange
Anti-rotation protection	Yes
Suitable for through-panel applications	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	0.808 MJ
Weight	39.6 g

Environmental requirements

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

Commercial data

Product Group	18 (X-COM-System)
PU (SPU)	15 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918854535
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
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
UL Underwriters Laboratories Inc.	UL 1059	E45172
UL Underwriters Laboratories Inc.	UL 1977	20151210-E45171
Approval	Standard	Certificate Name
Railway WAGO GmbH & Co. KG	-	Z00004428.000

Downloads	
Environmental Product Compliance	
Compliance Search	
Environmental Product Compliance 769-613/005-000	

Documentation			
Bid Text			
769-613/005-000	19.02.2019	xml 3.15 KB	
769-613/005-000	04.10.2017	doc 25.00 KB	



CAD/CAE-Data	
CAD data	CAE data
2D/3D Models 769-613/005-000	EPLAN Data Portal 769-613/005-000
	WSCAD Universe 769-613/005-000
	ZUKEN Portal 769-613/005-000

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



Item No.: 769-113 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray	Item No.: 769-113/021-000 1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; Lateral locking levers; 4,00 mm²; gray	Item No.: 769-133 2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray
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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
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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
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Item No.: 216-206 Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue

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.: 769-414
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

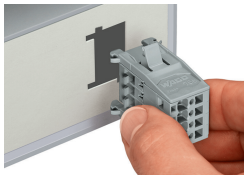


Item No.: 210-490
Operating tool

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

Installation Notes

Installation



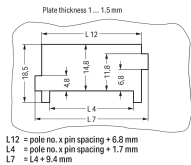
Insert a male connector with snap-in flanges (769-604/005-000) into the cutout.



Male connector with snap-in flanges
Tool-free assembly



Tool-free assembly



Cutout
Male connectors with CAGE CLAMP® connection (769-6xx/005-000) and snap-in flanges

Conductor termination



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

Marking



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