

Data Sheet | Item Number: 769-613/005-000

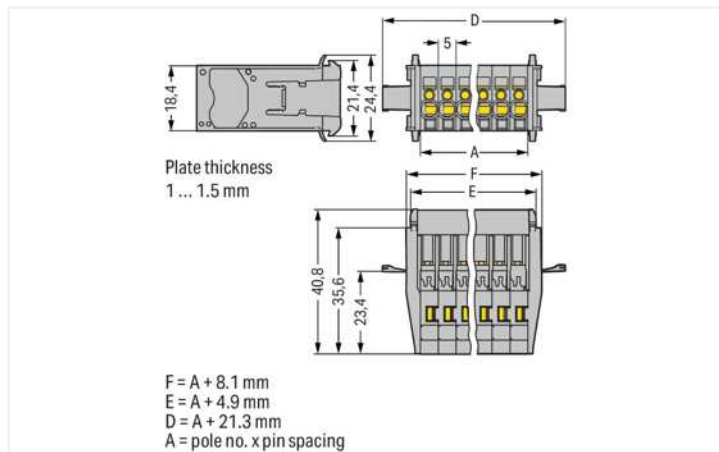
1-conductor male connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole;
Snap-in flange; 4,00 mm²; gray

<https://www.wago.com/769-613/005-000>



Color: ■ gray

Similar to illustration



Dimensions in mm

Electrical data

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) \triangleq Overvoltage category III / Pollution degree 3

Connection data

Connection points	13
Total number of potentials	13

Connection 1

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	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	40.8 mm / 1.606 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

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	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.798 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)
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)	15 pcs
Packaging type	Box
Country of origin	PL
GTIN	4044918854535
Customs tariff number	85366990990

Approvals / Certificates

General approvals



Approval	Standard	Certificate Name
CCA DEKRA Certification B.V.	EN 61984	2190419.02
CCA DEKRA Certification B.V.	IEC 61984	NL-47799/A1
CSA DEKRA Certification B.V.	C22.2 No. 158	1101144
UR Underwriters Laboratories Inc.	UL 1059	E45172

Downloads

Environmental Product Compliance

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

Documentation

Additional Information		
Technical Section	pdf 2142.18 KB	↓

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	
2D/3D Models 769-613/005-000	↓

CAE data	
EPLAN Data Portal 769-613/005-000	↓
WSCAD Universe 769-613/005-000	↓
ZUKEN Portal 769-613/005-000	↓

1 Compatible Products

1.1 Optional Accessories

1.1.1 Coding

1.1.1.1 Coding



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

1.1.2 Ferrule

1.1.2.1 Ferrule



Item No.: 216-201
 Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; 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

1.1.3 Insulation stop

1.1.3.1 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

1.1.4 Marking

1.1.4.1 Marker



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

1.1.4.2 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

1.1.5 Protective warning marker

1.1.5.1 Cover



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

1.1.6 Strain relief

1.1.6.1 Strain relief



Item No.: 769-414
Strain relief plate; gray

1.1.7 Tool

1.1.7.1 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



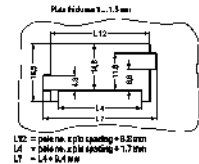
Insert a male connector with snap-in flanges (769-604/005-000) into the cutout.



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.