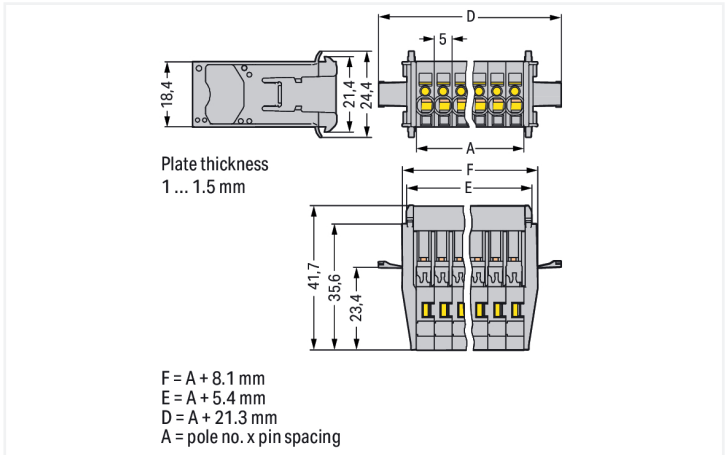




Color: ■ gray



Dimensions in mm

Male connector, 769 Series, CAGE CLAMP®

Enjoy easy electrical installations with this male connector (item number 769-604/005-000). 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. This pluggable rail-mount terminal block has a rated voltage of 500 V and can handle currents up to 32 A. Conductors can only be connected to this male connector if their strip length is between 8 mm and 9 mm. This product features conductor terminals and utilizes CAGE CLAMP®. Our trusted universal connection known as CAGE CLAMP® is industry-leading when it comes to connection technology and electrical inter-connections. Dimensions: 41.3 x 24.4 x 41.7 mm (width x height x depth). Depending on the conductor type, this male connector is suitable for conductor cross sections ranging from 0.08 mm² to 4 mm². Four potentials can connect four poles using the four clamping points. The gray housing is made of polyamide (PA66) for insulation. This male connector/plug is operated with an operating tool. Conductors made of copper can be connected 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) Δ Overvoltage category III / Pollution degree 3 |

Connection data

|                            |   |                                 |                                   |
|----------------------------|---|---------------------------------|-----------------------------------|
| Clamping units             | 4 | Connection 1                    |                                   |
| Total number of potentials | 4 | 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                     | 4                                 |
|                            |   | Wiring direction                | Front-entry wiring                |



| Physical data |                        |
|---------------|------------------------|
| Pin spacing   | 5 mm / 0.197 inches    |
| Width         | 41.3 mm / 1.626 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            |

| Plug-in connection                 |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for conductor       |
| Mismating protection               | No                  |

| Material data                      |                                                                          |
|------------------------------------|--------------------------------------------------------------------------|
| Note (material data)               | <a href="#">Information on material specifications can be found here</a> |
| Color                              | gray                                                                     |
| Material group                     | I                                                                        |
| Insulation material (main housing) | Polyamide (PA66)                                                         |
| Flammability class per UL94        | V0                                                                       |
| Fire load                          | 0.304 MJ                                                                 |
| Weight                             | 14 g                                                                     |

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

| Commercial data       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| PU (SPU)              | 25 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918840927     |
| 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<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                        | EN 61984  | 2190419.02       | Railway<br>WAGO GmbH & Co. KG                                                     | -        | Z00004428.000    |
| CCA<br>DEKRA Certification B.V.                                                                                                                                                                                                                                                                                                        | IEC 61984 | NL-47799/A1      |                                                                                   |          |                  |
| CSA<br>CSA Group                                                                                                                                                                                                                                                                                                                       | C22.2     | 1101144          |                                                                                   |          |                  |
| UL<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                   | UL 1059   | E45172           |                                                                                   |          |                  |
| UL<br>Underwriters Laboratories Inc.                                                                                                                                                                                                                                                                                                   | UL 1977   | 20151210-E45171  |                                                                                   |          |                  |

Downloads

| Environmental Product Compliance                    |                                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| Compliance Search                                   |                                                                                     |
| Environmental Product Compliance<br>769-604/005-000 |  |

Documentation

| Bid Text        |            |                 |                                                                                     |
|-----------------|------------|-----------------|-------------------------------------------------------------------------------------|
| 769-604/005-000 | 19.02.2019 | xml<br>3.14 KB  |  |
| 769-604/005-000 | 04.10.2017 | doc<br>25.00 KB |  |

CAD/CAE-Data

| CAD data                        |                                                                                     | CAE data                             |                                                                                       |
|---------------------------------|-------------------------------------------------------------------------------------|--------------------------------------|---------------------------------------------------------------------------------------|
| 2D/3D Models<br>769-604/005-000 |  | EPLAN Data Portal<br>769-604/005-000 |  |
|                                 |                                                                                     | WSCAD Universe<br>769-604/005-000    |  |
|                                 |                                                                                     | ZUKEN Portal<br>769-604/005-000      |  |



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



|                                                                                                                                               |                                                                                                                                                                               |                                                                                                                                               |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| <p><b>Item No.: 769-104</b><br/>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; coding finger; 4,00 mm²; gray</p> | <p><b>Item No.: 769-104/021-000</b><br/>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; coding finger; Lateral locking levers; 4,00 mm²; gray</p> | <p><b>Item No.: 769-124</b><br/>2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 4-pole; coding finger; 4,00 mm²; gray</p> |
|-----------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|

1.2 Optional Accessories

1.2.1 Coding

1.2.1.1 Coding



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

1.2.2 Ferrule

1.2.2.1 Ferrule



|                                                                                                                                                                      |                                                                                                                            |                                                                                                                |                                                                                                                             |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|
| <p><b>Item No.: 216-201</b><br/>Ferrule; Sleeve for 0.5 mm² / 20 AWG; insulated; electro-tin plated; electrolytic copper; acc. to DIN 46228, Part 4/09.90; white</p> | <p><b>Item No.: 216-101</b><br/>Ferrule; Sleeve for 0.5 mm² / AWG 22; un-insulated; electro-tin plated; silver-colored</p> | <p><b>Item No.: 216-202</b><br/>Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray</p> | <p><b>Item No.: 216-102</b><br/>Ferrule; Sleeve for 0.75 mm² / AWG 20; un-insulated; electro-tin plated; silver-colored</p> |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|



|                                                                                                            |                                                                                                          |                                                                                                                   |                                                                                                                            |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|
| <p><b>Item No.: 216-203</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red</p> | <p><b>Item No.: 216-103</b><br/>Ferrule; Sleeve for 1 mm² / AWG 18; un-insulated; electro-tin plated</p> | <p><b>Item No.: 216-204</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; black</p> | <p><b>Item No.: 216-104</b><br/>Ferrule; Sleeve for 1.5 mm² / AWG 16; un-insulated; electro-tin plated; silver-colored</p> |
|------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------|



|                                                                                                               |
|---------------------------------------------------------------------------------------------------------------|
| <p><b>Item No.: 216-206</b><br/>Ferrule; Sleeve for 2.5 mm² / AWG 14; insulated; electro-tin plated; blue</p> |
|---------------------------------------------------------------------------------------------------------------|

1.2.3 Insulation stop

1.2.3.1 Insulation stop



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



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.: 769-412**  
Strain relief plate; for female and male connectors; 1 part; Pin spacing 5 mm; 4- to 5-pole; gray

1.2.7 Tool

1.2.7.1 Operating tool



**Item No.: 210-490**  
Operating tool

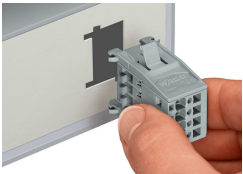


**Item No.: 769-434**  
Operating tool; made of insulating material; 1-way; loose; white



Installation Notes

Installation



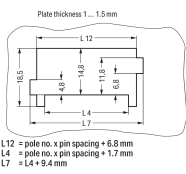
Insert a male connector with snap-in flanges (769-604/005-000) into the cutout.



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.