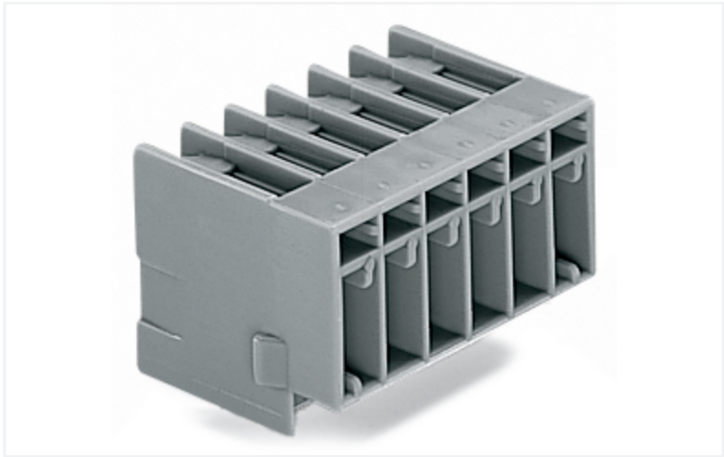
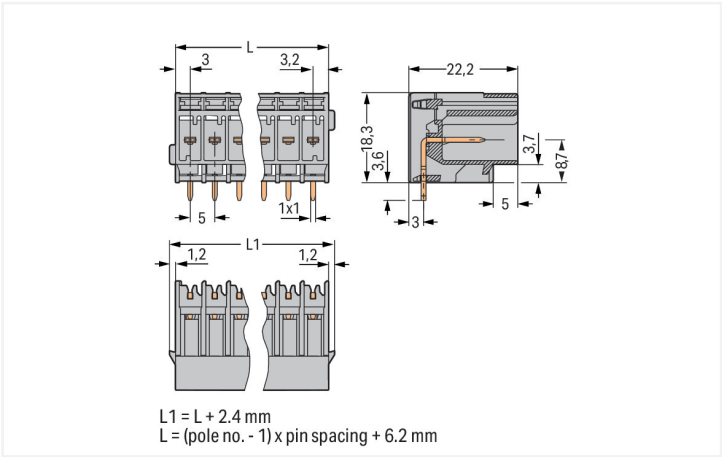




Color: ■ gray

Similar to illustration



Dimensions in mm

Male connector, 769 Series, with 5 mm pin spacing

Fault-free electrical installations are guaranteed with this male connector (item number 769-663).

The pcb connector is designed for THT soldering.

| Electrical data                           |                                                           |  |
|-------------------------------------------|-----------------------------------------------------------|--|
| Ratings per IEC/EN                        |                                                           |  |
| Nominal voltage (III/3)                   | 250 V                                                     |  |
| Rated impulse withstand voltage (III / 3) | 4 kV                                                      |  |
| Rated voltage (III/2)                     | 500 V                                                     |  |
| Rated impulse withstand voltage (III/2)   | 4 kV                                                      |  |
| Rated current                             | 32 A                                                      |  |
| Legend (ratings)                          | (III / 3) Δ Overvoltage category III / Pollution degree 3 |  |

| Connection Data            |    |              |
|----------------------------|----|--------------|
| Total number of potentials | 3  | Connection 1 |
| Number of levels           | 1  |              |
| Preceding contacts         | No |              |
|                            |    | Pole number  |
|                            |    | 3            |

**Physical data**

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 18.6 mm / 0.732 inches |
| Height from the surface | 18.3 mm / 0.72 inches  |
| Depth                   | 22.2 mm / 0.874 inches |

**Mechanical data**

|                          |     |
|--------------------------|-----|
| Variable coding          | Yes |
| Mounting type            | PCB |
| Anti-rotation protection | Yes |

**Plug-in connection**

|                                    |                     |
|------------------------------------|---------------------|
| Contact type (pluggable connector) | Male connector/plug |
| Connector (connection type)        | for PCB             |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 0 °                 |

**PCB contact**

|             |     |
|-------------|-----|
| PCB contact | THT |
|-------------|-----|

**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                          | 0.075 MJ                                                                 |
| Weight                             | 3.6 g                                                                    |

**Environmental requirements**

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

**Commercial data**

|                       |                   |
|-----------------------|-------------------|
| Product Group         | 18 (X-COM-System) |
| PU (SPU)              | 100 pcs           |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918396554     |
| Customs tariff number | 85366930000       |



| Product Classification |                      |
|------------------------|----------------------|
| UNSPSC                 | 39121409             |
| ETIM 9.0               | EC002637             |
| ETIM 10.0              | EC002637             |
| 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 60947  | NTR NL-7626      | EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG    | -        | -                |
| 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          |                                                            |          |                  |
| KEMA/KEUR<br>DEKRA Certification B.V.   | EN 60947  | 2190419.01       |                                                            |          |                  |
| UL<br>Underwriters Laboratories<br>Inc. | UL 1059   | E45172           |                                                            |          |                  |
| UL<br>Underwriters Laboratories<br>Inc. | UL 1977   | E 45171          |                                                            |          |                  |

Approvals for marine applications

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



Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-663

↓

| Documentation |            |     |          |   |
|---------------|------------|-----|----------|---|
| Bid Text      |            |     |          |   |
| 769-663       | 19.02.2019 | xml | 2.97 KB  | ↓ |
| 769-663       | 04.10.2017 | doc | 25.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models 769-663

↓

CAE data

ZUKEN Portal 769-663

↓

1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



**Item No.: 769-103**  
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; coding finger; 4,00 mm²; gray



**Item No.: 769-103/021-000**  
1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-pole; coding finger; Lateral locking levers; 4,00 mm²; gray



**Item No.: 769-123**  
2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 3-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 Marking

1.2.2.1 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



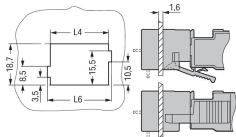
**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



**Item No.: 210-834**  
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

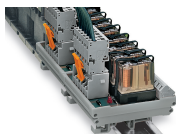
Installation



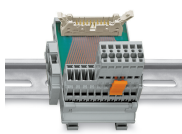
$L6 = L4 + 2.6 \text{ mm}$   
 $L4 = \text{pole no.} \times \text{pin spacing} + 1.7 \text{ mm}$

Cutout  
Male headers with solder pins

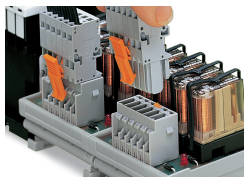
Application



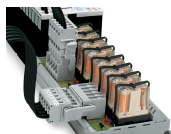
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



Male headers with solder pins for printed circuit boards



Pluggable PCB connection  
Connection to a relay module inside the switchgear cabinet



Male headers with solder pins  
Integrating PCB components into the system wiring.