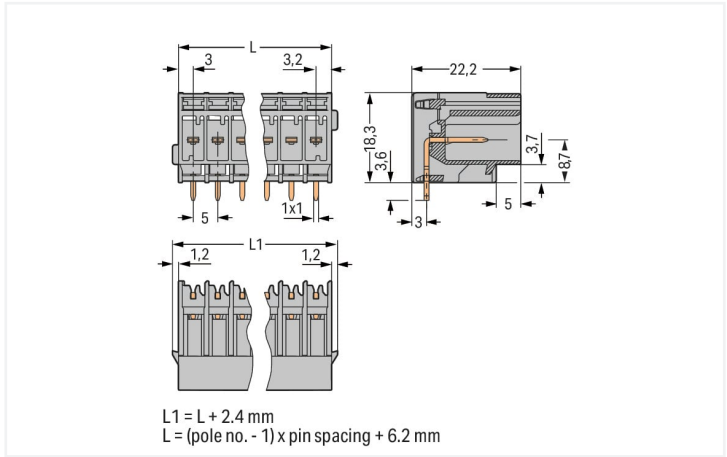




Color: ■ gray

Similar to illustration



Dimensions in mm

Electrical data

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

Connection data

|                            |    |              |   |
|----------------------------|----|--------------|---|
| Total number of potentials | 9  | Connection 1 |   |
| Number of levels           | 1  | Pole number  | 9 |
| Preceding contacts         | No |              |   |

Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 48.6 mm / 1.913 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="https://www.wago.com/us/material-specifications">Information on material specifications can be found here</a> |
| Color                       | gray                                                                                                                   |
| Material group              | I                                                                                                                      |
| Insulation material         | Polyamide (PA66)                                                                                                       |
| Flammability class per UL94 | V0                                                                                                                     |
| Fire load                   | 0.245 MJ                                                                                                               |
| Weight                      | 9.8 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           | 27-44-04-02       |
| eCl@ss 9.0            | 27-44-04-02       |
| ETIM 8.0              | EC002637          |
| ETIM 7.0              | EC002637          |
| PU (SPU)              | 25 pcs            |
| Packaging type        | Box               |
| Country of origin     | PL                |
| GTIN                  | 4044918760515     |
| Customs tariff number | 85366930000       |

| Environmental Product Compliance |                         |
|----------------------------------|-------------------------|
| RoHS Compliance Status           | Compliant, No Exemption |

| Approvals / Certificates        |           |                                       |                        |
|---------------------------------|-----------|---------------------------------------|------------------------|
| General approvals               |           | General approvals                     |                        |
|                                 |           | CSA<br>CSA Group                      | C22.2<br>1101144       |
|                                 |           | KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947<br>2190419.01 |
|                                 |           | UL<br>Underwriters Laboratories Inc.  | UL 1977<br>E 45171     |
|                                 |           | UR<br>Underwriters Laboratories Inc.  | UL 1059<br>E45172      |
| Approval                        | Standard  | Certificate Name                      |                        |
| CCA<br>DEKRA Certification B.V. | EN 60947  | NTR NL-7626                           |                        |
| CCA<br>DEKRA Certification B.V. | EN 61984  | 2190419.02                            |                        |
| CCA<br>DEKRA Certification B.V. | IEC 61984 | NL-47799/A1                           |                        |



Declarations of conformity and manufacturer's declarations

| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| UK-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |

Approvals for marine applications



| Approval                                              | Standard | Certificate Name |
|-------------------------------------------------------|----------|------------------|
| DNV GL<br>Det Norske Veritas, Ger-<br>manischer Lloyd | -        | TAE00001V2       |

Downloads

Environmental Product Compliance

| Compliance Search                           |
|---------------------------------------------|
| Environmental Product<br>Compliance 769-669 |



Documentation

| Additional Information |
|------------------------|
| Technical Section      |

pdf  
2240.62 KB



| Bid Text |            |                 |                                                                                                     |
|----------|------------|-----------------|-----------------------------------------------------------------------------------------------------|
| 769-669  | 19.02.2019 | xml<br>2.97 KB  | <a href="#"></a> |
| 769-669  | 04.10.2017 | doc<br>25.00 KB | <a href="#"></a> |



CAD/CAE-Data

| CAD data             |
|----------------------|
| 2D/3D Models 769-669 |



| CAE data             |
|----------------------|
| ZUKEN Portal 769-669 |



1 Compatible Products

1.1 System counterpart

1.1.1 Female connector/socket



**Item No.: 769-109**  
1-conductor female connector; CAGE  
CLAMP®; 4 mm²; Pin spacing 5 mm; 9-po-  
le; coding finger; 4,00 mm²; gray

**Item No.: 769-109/021-000**  
1-conductor female connector; CAGE  
CLAMP®; 4 mm²; Pin spacing 5 mm; 9-po-  
le; coding finger; Lateral locking levers;  
4,00 mm²; gray

**Item No.: 769-129**  
2-conductor female connector; CAGE  
CLAMP®; 4 mm²; Pin spacing 5 mm; 9-po-  
le; 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



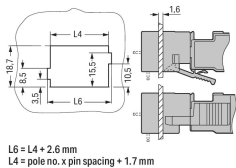
**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



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

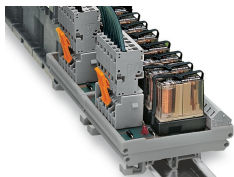
Installation Notes

Installation

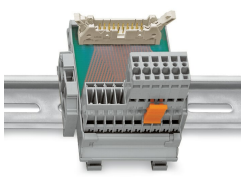


Cutout  
Male headers with solder pins

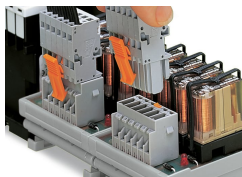
Application



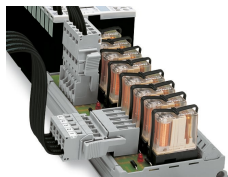
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



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.