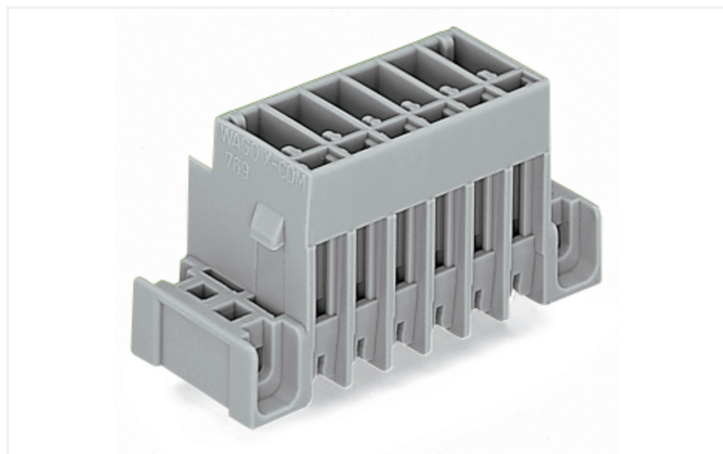
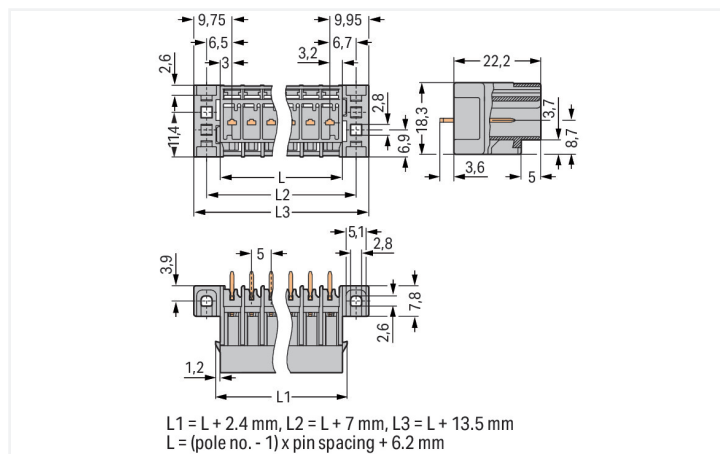


<https://www.wago.com/769-643/003-000>



Similar to illustration



Dimensions in mm

The pcb connector is designed for THT soldering.

|                                           |                                                                      |
|-------------------------------------------|----------------------------------------------------------------------|
| 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) $\triangleq$ Overvoltage category III / Pollution degree 3 |

|                            |    |
|----------------------------|----|
| Total number of potentials | 13 |
| Number of levels           | 1  |
| Preceding contacts         | No |

|             |    |
|-------------|----|
| Pole number | 13 |
|-------------|----|

**Physical data**

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 79.7 mm / 3.138 inches |
| Height from the surface | 22.2 mm / 0.874 inches |
| Depth                   | 18.3 mm / 0.72 inches  |

**Mechanical data**

|                                         |                 |
|-----------------------------------------|-----------------|
| Variable coding                         | Yes             |
| Mounting type                           | Mounting 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 PCB             |
| Mismating protection               | No                  |
| Mating direction to the PCB        | 90 °                |

**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                          | 0.299 MJ                                                                 |
| Weight                             | 13.8 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                  | 4017332412971     |
| Customs tariff number | 85366930000       |



| Product Classification |  |                      |
|------------------------|--|----------------------|
| UNSPSC                 |  | 39121409             |
| eCl@ss 10.0            |  | 27-44-04-02          |
| eCl@ss 9.0             |  | 27-44-04-02          |
| 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



| 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      |
| CSA<br>CSA Group                      | C22.2     | 1101144          |
| KEMA/KEUR<br>DEKRA Certification B.V. | EN 60947  | 2190419.01       |
| UL<br>Underwriters Laboratories Inc.  | UL 1059   | E45172           |
| UL<br>Underwriters Laboratories Inc.  | UL 1977   | E 45171          |

Declarations of conformity and manufacturer's declarations



| Approval                                                | Standard | Certificate Name |
|---------------------------------------------------------|----------|------------------|
| EU-Declaration of Confor-<br>mity<br>WAGO GmbH & Co. KG | -        | -                |
| Railway<br>WAGO GmbH & Co. KG                           | -        | Z00004428.000    |

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  
769-643/003-000

↓

Documentation

Bid Text

|                 |            |                 |   |
|-----------------|------------|-----------------|---|
| 769-643/003-000 | 19.02.2019 | xml<br>3.01 KB  | ↓ |
| 769-643/003-000 | 04.10.2017 | doc<br>25.00 KB | ↓ |

CAD/CAE-Data

CAD data

2D/3D Models  
769-643/003-000

↓

CAE data

ZUKEN Portal  
769-643/003-000

↓

PCB Design

Symbol and Footprint  
via SamacSys  
769-643/003-000

↓

Symbol and Footprint  
via Ultra Librarian  
769-643/003-000

↓

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

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



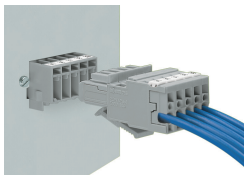
**Item No.: 210-832**  
Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white



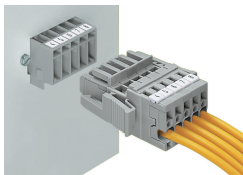
**Item No.: 210-834**  
Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

Installation Notes

Application



Male header with mounting flanges  
1-conductor female plug with bottom-mount locking levers



Male header with mounting flanges  
1-conductor female plug with lateral locking levers