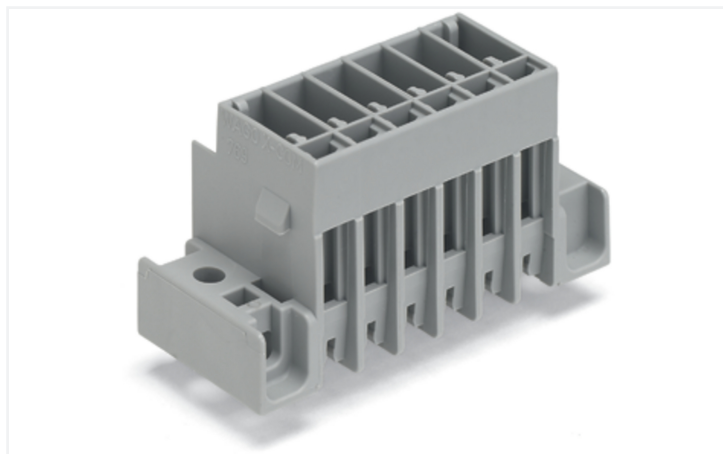
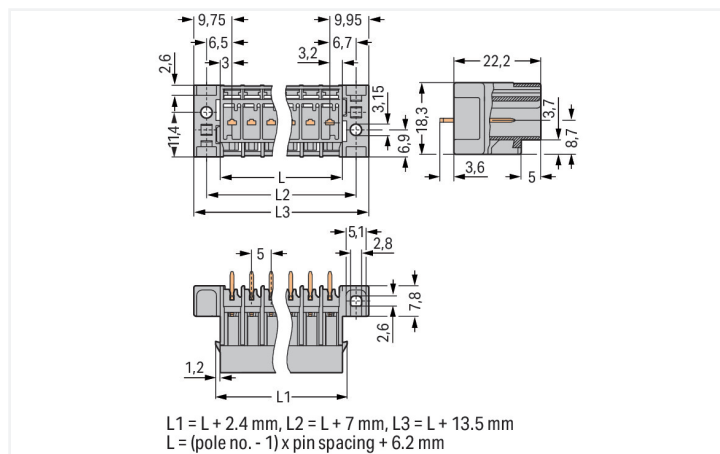


<https://www.wago.com/769-642/007-000>



Similar to illustration



Dimensions in mm

Our male connector (item number 769-642/007-000) ensures effortless electrical installations.

The pcb connector is designed for THT soldering.

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

|                            |    |
|----------------------------|----|
| Total number of potentials | 12 |
| Number of levels           | 1  |
| Preceding contacts         | No |

|             |    |
|-------------|----|
| Pole number | 12 |
|-------------|----|

**Physical data**

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 74.7 mm / 2.941 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                           | Rivet 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                          | 0.287 MJ                                                                 |
| Weight                             | 13.1 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                  | 4050821477105     |
| 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                                                                |          |                  | Declarations of conformity and manufacturer's declarations                        |          |                  |
|  |          |                  |  |          |                  |
| Approval                                                                         | Standard | Certificate Name | Approval                                                                          | Standard | Certificate Name |
| CSA<br>CSA Group                                                                 | C22.2    | 1101144          | Railway<br>WAGO GmbH & Co. KG                                                     | -        | Z00004428.000    |
| UL<br>Underwriters Laboratories Inc.                                             | UL 1059  | E45172           |                                                                                   |          |                  |
| UL<br>Underwriters Laboratories Inc.                                             | UL 1977  | E 45171          |                                                                                   |          |                  |

| Downloads                                           |                                                                                     |
|-----------------------------------------------------|-------------------------------------------------------------------------------------|
| Environmental Product Compliance                    |                                                                                     |
| Compliance Search                                   |                                                                                     |
| Environmental Product Compliance<br>769-642/007-000 |  |

| Documentation   |            |                 |                                                                                     |
|-----------------|------------|-----------------|-------------------------------------------------------------------------------------|
| Bid Text        |            |                 |                                                                                     |
| 769-642/007-000 | 19.02.2019 | xml<br>3.01 KB  |  |
| 769-642/007-000 | 04.10.2017 | doc<br>25.00 KB |  |



| CAD/CAE-Data                                                                 |                                                                              |
|------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| <div>CAD data</div> <div>2D/3D Models<br/>769-642/007-000</div> <div>↓</div> | <div>CAE data</div> <div>ZUKEN Portal<br/>769-642/007-000</div> <div>↓</div> |

| PCB Design                                                                        |                                                                                          |
|-----------------------------------------------------------------------------------|------------------------------------------------------------------------------------------|
| <div>Symbol and Footprint<br/>via SamacSys<br/>769-642/007-000</div> <div>↓</div> | <div>Symbol and Footprint<br/>via Ultra Librarian<br/>769-642/007-000</div> <div>↓</div> |

| 1 Compatible Products         |
|-------------------------------|
| 1.1 System counterpart        |
| 1.1.1 Female connector/socket |



|                                                                                                                                                    |                                                                                                                                                                                    |                                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|
| <div>Item No.: 769-112</div> <div>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 12-pole; coding finger; 4,00 mm²; gray</div> | <div>Item No.: 769-112/021-000</div> <div>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 12-pole; coding finger; Lateral locking levers; 4,00 mm²; gray</div> | <div>Item No.: 769-132</div> <div>2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 12-pole; coding finger; 4,00 mm²; gray</div> |
|----------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------|

| 1.2 Optional Accessories |
|--------------------------|
| 1.2.1 Coding             |
| 1.2.1.1 Coding           |



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

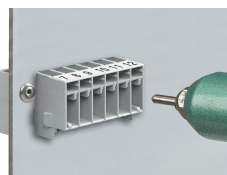
| 1.2.2 Marking         |
|-----------------------|
| 1.2.2.1 Marking strip |



|                                                                                                              |                                                                                                           |                                                                                                         |                                                                                                         |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|
| <div>Item No.: 210-833</div> <div>Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white</div> | <div>Item No.: 210-831</div> <div>Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white</div> | <div>Item No.: 210-832</div> <div>Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white</div> | <div>Item No.: 210-834</div> <div>Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white</div> |
|--------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------|

## Installation Notes

### Installation



Mounting with 3 mm Ø blind rivets