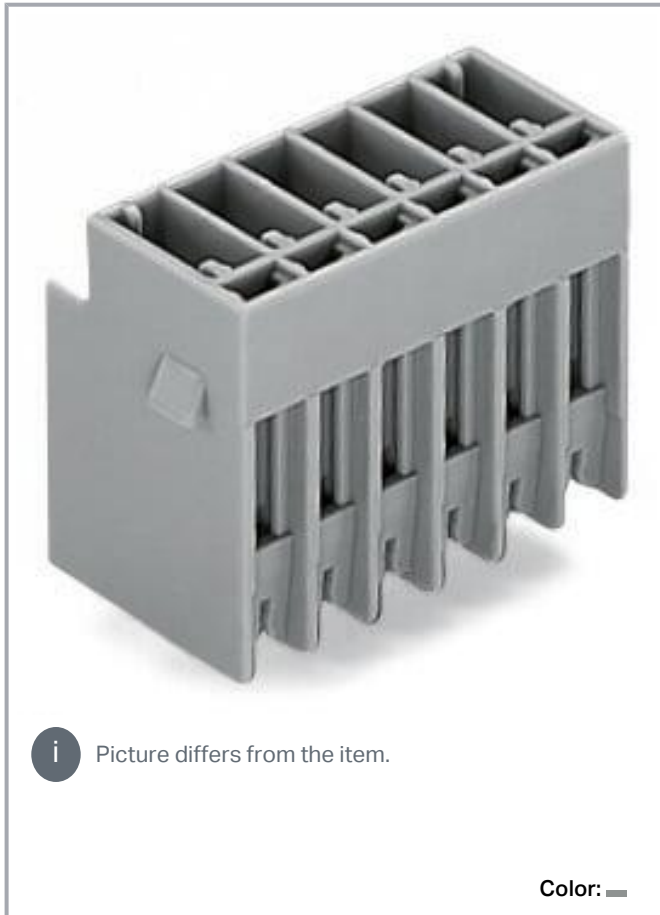


## Data sheet | Item number: 769-632

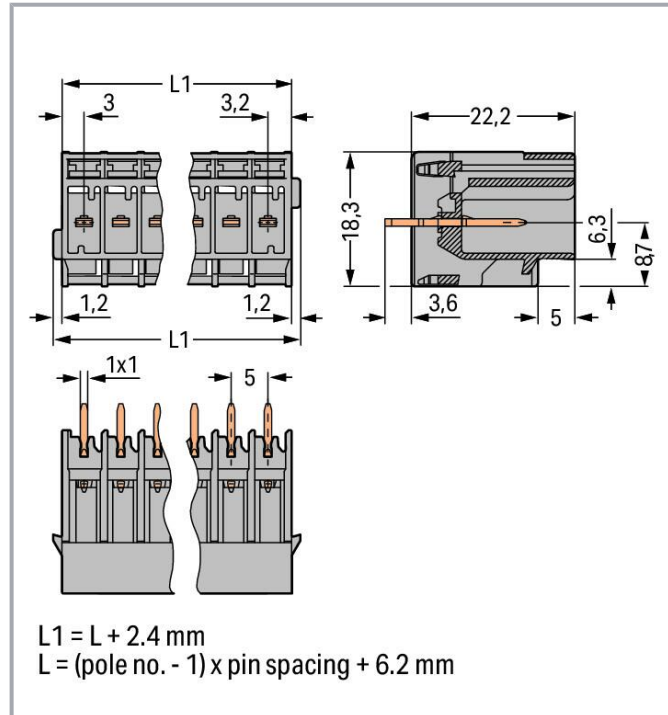
THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 2-pole; gray

[www.wago.com/769-632](http://www.wago.com/769-632)



 Picture differs from the item.

Color: 



## Data

### 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  |

Subject to changes. Please also observe the further product documentation!

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Legend (ratings)

(III / 3) ≙ Overvoltage category III / Pollution degree 3

### Connection data

|                            |    |
|----------------------------|----|
| Total number of potentials | 2  |
| Number of levels           | 1  |
| Preceding contacts         | No |

### Connection 1

|             |   |
|-------------|---|
| Pole number | 2 |
|-------------|---|

### Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 13.6 mm / 0.535 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            | PCB |
| Anti-rotation protection | Yes |

### Plug-in connection

|                                      |                     |
|--------------------------------------|---------------------|
| Contact type (pluggable connector)   | Male connector/plug |
| Connector (connection type)          | for PCB             |
| Mismating protection                 | No                  |
| Plugging without loss of pin spacing | No                  |
| Mating direction to the PCB          | 90 °                |

### PCB contact

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

### Material data

|                      |                                                          |
|----------------------|----------------------------------------------------------|
| Note (material data) | Information on material specifications can be found here |
| Color                | gray                                                     |

Subject to changes. Please also observe the further product documentation!



|                             |                  |
|-----------------------------|------------------|
| Material group              | I                |
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.082 MJ         |
| Weight                      | 2.4 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          |
| ECCN                  | NO DATA           |
| PU (SPU)              | 200 pcs           |
| Packaging type        | box               |
| Country of origin     | PL                |
| GTIN                  | 4044918270564     |
| Customs tariff number | 85366930000       |

### Environmental Product Compliance

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

### Approvals / Certificates

#### General approvals

| Logo                                                                               | Approval                        | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|---------------------------------|--------------------------|------------------|
|  | CCA<br>DEKRA Certification B.V. | EN 60947                 | NTR NL-7626      |
|  | CCA<br>DEKRA Certification B.V. | EN 61984                 | 2190419.02       |

Subject to changes. Please also observe the further product documentation!

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|                                                                                  |                                       |           |                 |
|----------------------------------------------------------------------------------|---------------------------------------|-----------|-----------------|
|                                                                                  | CCA<br>DEKRA Certification B.V.       | IEC 61984 | NL-47799<br>/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 1977   | E 45171         |
|  | UR<br>Underwriters Laboratories Inc.  | UL 1059   | E45172          |

## Declarations of conformity and manufacturer's declarations

| Logo                                                                               | Approval                                           | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|----------------------------------------------------|--------------------------|------------------|
|  | EU-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |
|  | UK-Declaration of Conformity<br>WAGO GmbH & Co. KG | -                        | -                |

## Approvals for marine applications

| Logo                                                                               | Approval                                         | Additional Approval Text | Certificate name |
|------------------------------------------------------------------------------------|--------------------------------------------------|--------------------------|------------------|
|  | DNV GL<br>Det Norske Veritas, Germanischer Lloyd | -                        | TAE00001V2       |

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## Counterpart

|                                                                                   |                                                                                                                                                                     |                                                                                |
|-----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|
|  | <b>Item no.769-102</b><br>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray                                 | <a href="http://www.wago.com/769-102">www.wago.com/769-102</a>                 |
|    | <b>Item no.769-102/021-000</b><br>1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; Lateral locking levers; 4,00 mm²; gray | <a href="http://www.wago.com/769-102/021-000">www.wago.com/769-102/021-000</a> |
|    | <b>Item no.769-122</b><br>2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 2-pole; coding finger; 4,00 mm²; gray                                 | <a href="http://www.wago.com/769-122">www.wago.com/769-122</a>                 |

## Optional accessories

### Coding

#### Coding

|                                                                                  |                                                                                                                           |                                                                |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|  | <b>Item no.: 769-435</b><br>Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange | <a href="http://www.wago.com/769-435">www.wago.com/769-435</a> |
|----------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------|

### Marking accessories

#### Marking strip

|                                                                                    |                                                                                                  |                                                                |
|------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------|----------------------------------------------------------------|
|   | <b>Item no.: 210-831</b><br>Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white    | <a href="http://www.wago.com/210-831">www.wago.com/210-831</a> |
|  | <b>Item no.: 210-833</b><br>Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white | <a href="http://www.wago.com/210-833">www.wago.com/210-833</a> |
|  | <b>Item no.: 210-834</b><br>Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white      | <a href="http://www.wago.com/210-834">www.wago.com/210-834</a> |
|  | <b>Item no.: 210-832</b><br>Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white      | <a href="http://www.wago.com/210-832">www.wago.com/210-832</a> |

## Downloads

### Documentation

#### Bid Text

|                        |             |                |          |
|------------------------|-------------|----------------|----------|
| 769-632<br>X81 - Datei | 2019 Feb 19 | xml<br>3.0 kB  | Download |
| 769-632                | 2017 Oct 4  | doc<br>25.1 kB | Download |

Subject to changes. Please also observe the further product documentation!

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doc - Datei

## Additional Information

pdf  
2.3 MB

Download

## CAD/CAE-Data

## CAD data

2D/3D Models 769-632

URL

Download

## PCB Design

Symbol and Footprint via Ultra Librarian 769-632

URL

Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

## Supported formats:

- Accel EDA 14 & 15
- Altair
- Altium 6 to current version
- Autodesk Fusion 360
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics
- BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design
- Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!

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- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000
- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

#### PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

---

Symbol and Footprint via SamacSys 769-632

URL

Download

CAX data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.

Supported formats:

- 3D (stp)
- Altium
- CADSTAR
- Capture
- CircuitStudio
- CR-5000
- CR-8000
- DEHDL
- DesignSpark PCB
- DesignSpark PCB PRO
- DipTrace
- EAGLE
- Easy-PC
- EasyEDA
- eCADSTAR
- KiCad
- OrCAD\_Allegro16
- PADS
- Proteus
- Pulsonix
- Quadcept
- SOLIDWORKS PCB
- TARGET 3001!
- xDX Designer
- Xpedition

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PCB Component Libraries (EDA), PCB CAD Library SamacSys Electronic Component Search Engine

CAE data

|                      |     |          |
|----------------------|-----|----------|
| ZUKEN Portal 769-632 | URL | Download |
|----------------------|-----|----------|

Asset Administration Shell

|                                    |     |          |
|------------------------------------|-----|----------|
| Asset Administration Shell 769-632 | URL | Download |
|------------------------------------|-----|----------|

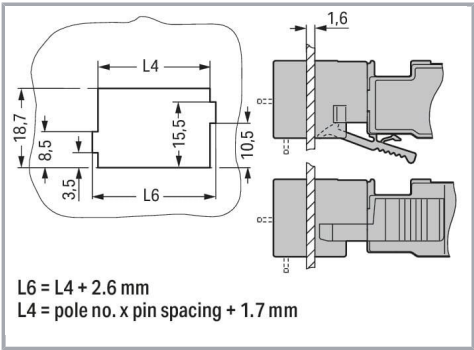
Environmental Product Compliance

Compliance Search

|                                                                                    |     |          |
|------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 769-632                                           | URL | Download |
| THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 2-pole; gray |     |          |

Installation Notes

Installation

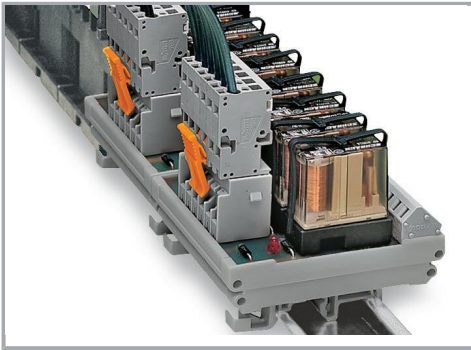


Cutout  
Male headers with solder pins

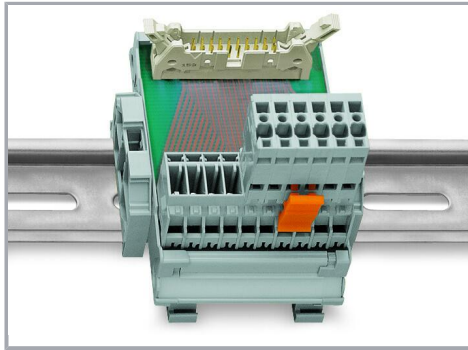
Application

Subject to changes. Please also observe the further product documentation!

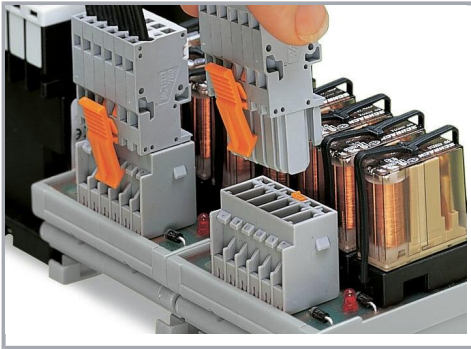




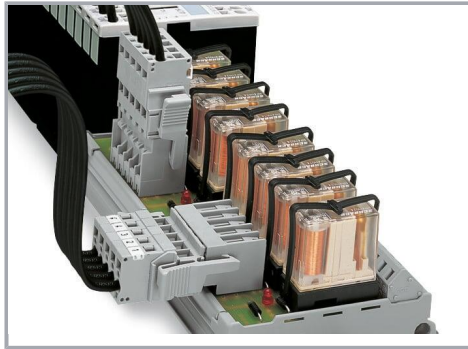
Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)



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.

## Product family

### X-COM

[Show all products from the family](#)

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