

## Data sheet | Item number: 769-670/003-000

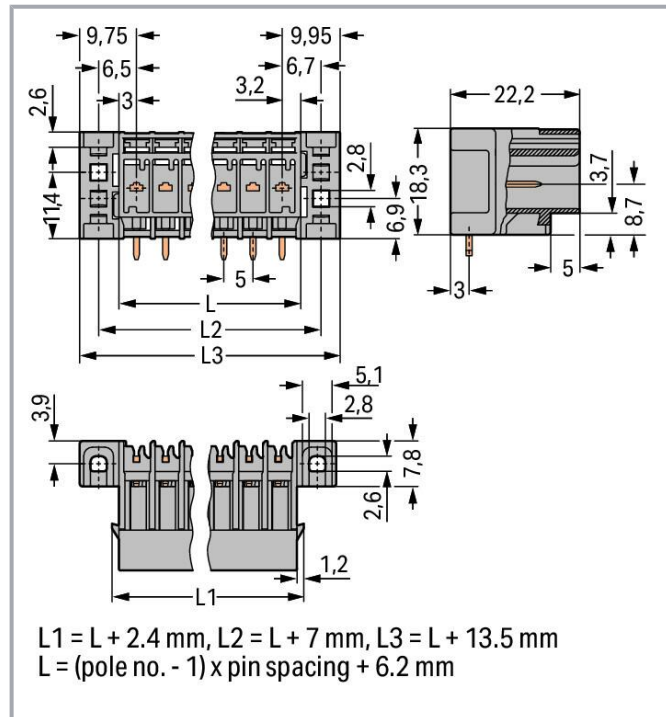
THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 10-pole; gray

[www.wago.com/769-670/003-000](http://www.wago.com/769-670/003-000)



 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                                                                |
| Legend (ratings)              | III / 3) $\triangleq$ Overvoltage category III / Pollution degree 3 |

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

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## Connection data

|                            |    |
|----------------------------|----|
| Total number of potentials | 10 |
| Number of levels           | 1  |
| Preceding contacts         | No |

## Connection 1

|             |    |
|-------------|----|
| Pole number | 10 |
|-------------|----|

## Physical data

|                         |                        |
|-------------------------|------------------------|
| Pin spacing             | 5 mm / 0.197 inches    |
| Width                   | 64.7 mm / 2.547 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            | Mounting flange |
| 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          | 0 °                 |

## PCB contact

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

## Material data

|                      |                                                                          |
|----------------------|--------------------------------------------------------------------------|
| Note (material data) | Information on material specifications can be found <a href="#">here</a> |
| Color                | gray                                                                     |
| Material group       | I                                                                        |

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



|                             |                  |
|-----------------------------|------------------|
| Insulation material         | Polyamide (PA66) |
| Flammability class per UL94 | V0               |
| Fire load                   | 0.349 MJ         |
| Weight                      | 11.5 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                  | 4044918397056     |
| 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       |
|                                                                                    | CCA<br>DEKRA Certification B.V. | IEC 61984                | NL-47799 /A1     |

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CSA  
CSA Group

C22.2

1101144



KEMA/KEUR  
DEKRA Certification B.V.

EN 60947

2190419.01



UL  
Underwriters Laboratories Inc.

UL 1977

E 45171



UR  
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       |

## Counterpart



## Item no.769-110

1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 10-pole; coding finger; 4,00 mm²; gray

[www.wago.com/769-110](http://www.wago.com/769-110)

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**Item no.769-110/021-000**1-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 10-pole; coding finger; Lateral locking levers; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-110/021-000](http://www.wago.com/769-110/021-000)**Item no.769-130**2-conductor female connector; CAGE CLAMP®; 4 mm<sup>2</sup>; Pin spacing 5 mm; 10-pole; coding finger; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-130](http://www.wago.com/769-130)**Optional accessories****Marking accessories**

## Marking strip

**Item no.: 210-831**

Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white

[www.wago.com/210-831](http://www.wago.com/210-831)**Item no.: 210-833**

Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white

[www.wago.com/210-833](http://www.wago.com/210-833)**Item no.: 210-834**

Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white

[www.wago.com/210-834](http://www.wago.com/210-834)**Item no.: 210-832**

Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white

[www.wago.com/210-832](http://www.wago.com/210-832)**Coding**

## Coding

**Item no.: 769-435**

Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

[www.wago.com/769-435](http://www.wago.com/769-435)**Downloads****Documentation****Bid Text**

| Item no.        | Date        | File name | Size   | Download |
|-----------------|-------------|-----------|--------|----------|
| 769-670/003-000 | 2019 Feb 19 | xml       | 3.1 kB | Download |

X81 - Datei

| Item no.        | Date       | File name | Size    | Download |
|-----------------|------------|-----------|---------|----------|
| 769-670/003-000 | 2017 Oct 4 | doc       | 25.6 kB | Download |

doc - Datei

**Additional Information**

| File name | Size   | Download |
|-----------|--------|----------|
| pdf       | 2.3 MB | Download |

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## CAD/CAE-Data

### CAD data

|                              |     |          |
|------------------------------|-----|----------|
| 2D/3D Models 769-670/003-000 | URL | Download |
|------------------------------|-----|----------|

### PCB Design

|                                                          |     |          |
|----------------------------------------------------------|-----|----------|
| Symbol and Footprint via Ultra Librarian 769-670/003-000 | 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!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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



- Zuken eCADSTAR 2020 and 2021Zuken CR-5000 and CR-8000

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

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Symbol and Footprint via SamacSys 769-670/003-000

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

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

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CAE data

|                              |     |          |
|------------------------------|-----|----------|
| ZUKEN Portal 769-670/003-000 | URL | Download |
|------------------------------|-----|----------|

Asset Administration Shell

|                                            |     |          |
|--------------------------------------------|-----|----------|
| Asset Administration Shell 769-670/003-000 | URL | Download |
|--------------------------------------------|-----|----------|

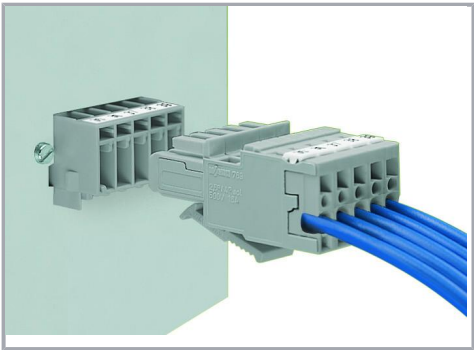
Environmental Product Compliance

Compliance Search

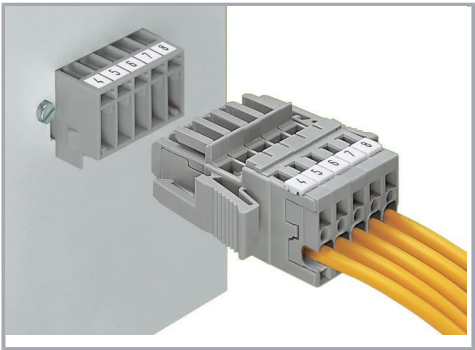
|                                                                                                    |     |          |
|----------------------------------------------------------------------------------------------------|-----|----------|
| Environmental Product Compliance 769-670/003-000                                                   | URL | Download |
| THT male header; 1.0 x 1.0 mm solder pin; angled; clamping collar; Pin spacing 5 mm; 10-pole; gray |     |          |

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

Product family

X-COM  
[Show all products from the family](#)

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