Data sheet | Item number: 769-673
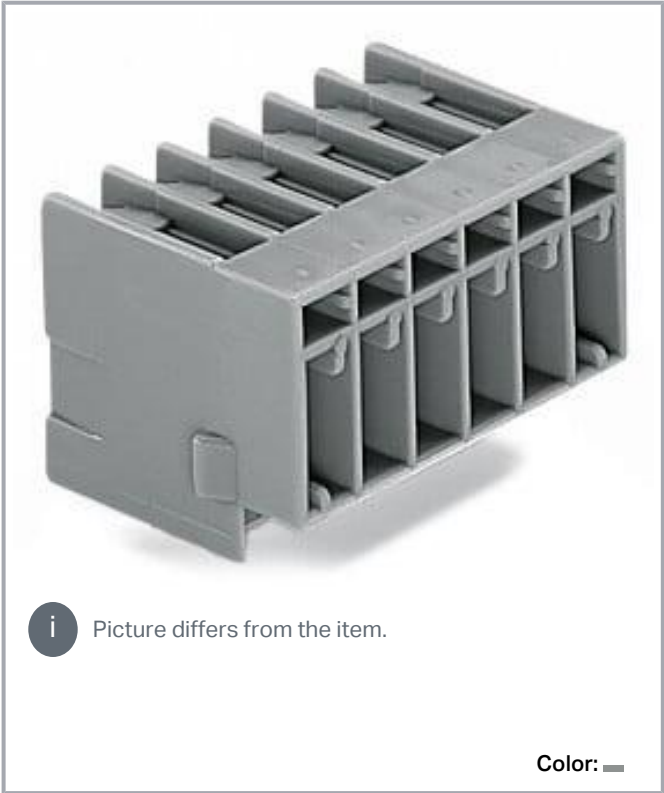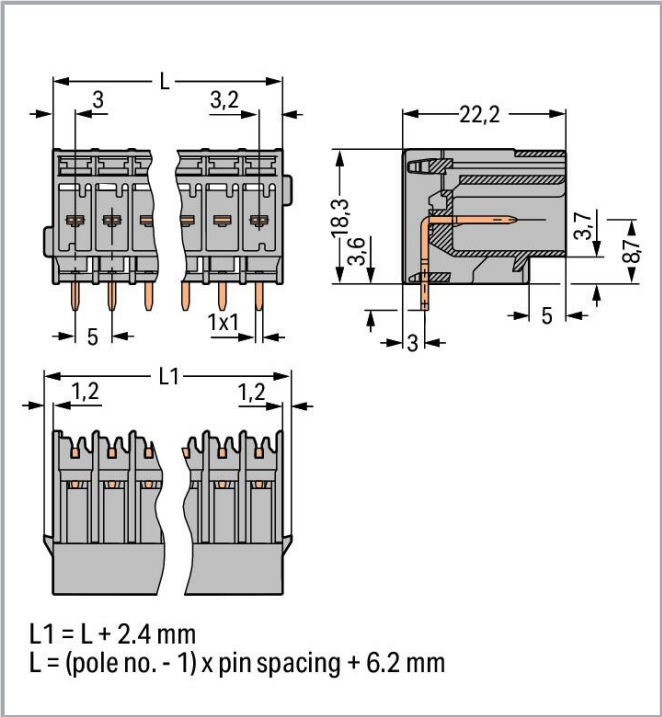
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 13-pole; gray

www.wago.com/769-673

WAGO

Picture differs from the item.

Color: ▬

$$L1 = L + 2.4 \text{ mm}$$
$$L = (\text{pole no.} - 1) \times \text{pin spacing} + 6.2 \text{ mm}$$

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) ≙ Overvoltage category III / Pollution degree 3

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Connection data

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

Connection 1

Pole number	13

Physical data

Pin spacing	5 mm / 0.197 inches
Width	68.6 mm / 2.701 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
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 here
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	0.359 MJ
Weight	13.9 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	4017332602532
Customs tariff number	85366930000

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption

Approvals / Certificates

General approvals

Logo	Approval	Additional Approval Text	Certificate name
KEMA EUR	**CCA** DEKRA Certification B.V.	EN 61984	2190419.02
	CCA DEKRA Certification B.V.	IEC 61984	NL-47799 /A1
CCA	**CCA** DEKRA Certification B.V.	EN 60947	NTR NL-7626

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

	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 WAGO GmbH & Co. KG	-	-
	UK-Declaration of Conformity WAGO GmbH & Co. KG	-	-

Approvals for marine applications

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

Counterpart

	Item no.769-113	
	1-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray	www.wago.com/769-113

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

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

www.wago.com/769-113
/021-000

Item no.769-133

2-conductor female connector; CAGE CLAMP®; 4 mm²; Pin spacing 5 mm; 13-pole; coding finger; 4,00 mm²; gray

www.wago.com/769-133

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

Item no.: 210-833

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

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

Item no.: 210-832

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

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

Downloads

Documentation

Bid Text

769-673 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
769-673 doc - Datei	2017 Oct 4	doc 25.6 kB	Download

Additional Information

		pdf 2.3 MB	Download

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

CAD/CAE-Data

CAD data

2D/3D Models 769-673	URL	Download

PCB Design

Symbol and Footprint via Ultra Librarian 769-673	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

Symbol and Footprint via SamacSys 769-673   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

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

CAE data

ZUKEN Portal 769-673	URL	Download

Asset Administration Shell

Asset Administration Shell 769-673	URL	Download

Environmental Product Compliance

Compliance Search

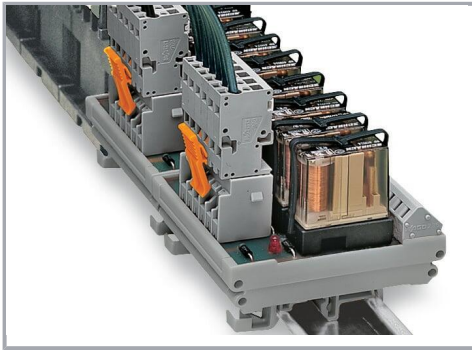|		
Environmental Product Compliance 769-673	URL	Download
THT male header; 1.0 x 1.0 mm solder pin; angled; Pin spacing 5 mm; 13-pole; gray		

Installation Notes

Installation

L6 = L4 + 2.6 mm
L4 = pole no. x pin spacing + 1.7 mm
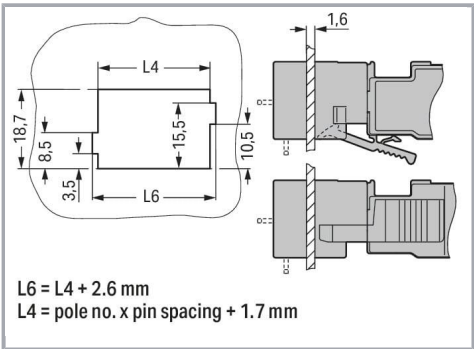
Cutout
Male headers with solder pins

Application

Do you have any questions about our products?
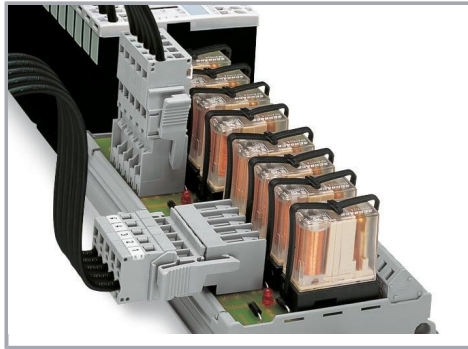We are always happy to take your call at +49 (571) 887-44222.

Male headers with straight solder pins and 1-conductor female plugs (picture shows a relay module)
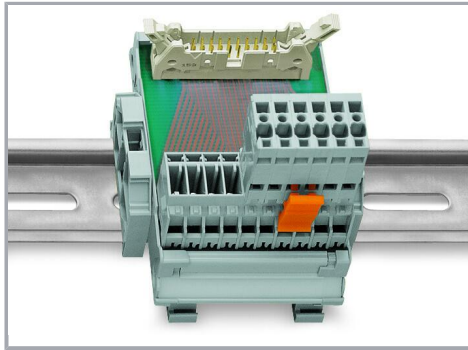
Male headers with solder pins for printed circuit boards
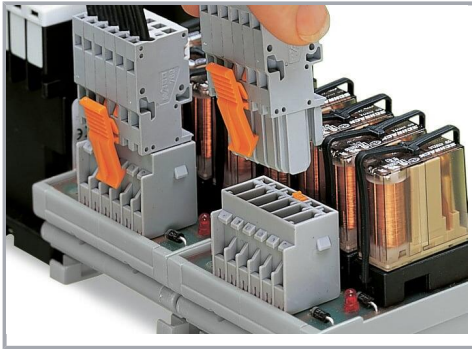
Pluggable PCB connection
Connection to a relay module inside the switchgear cabinet

Male headers with solder pins
Integrating PCB components into the system wiring.

Product family

X-COM
Show all products from the family

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

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