

Data sheet | Item number: 769-645

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 15-pole; gray

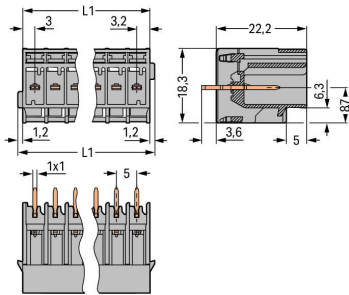
www.wago.com/769-645



 Picture differs from the item.

RoHS  

Color: 



L1 = L + 2.4 mm
L = (pole no. - 1) x pin spacing + 6.2 mm

Data
Electrical data

Ratings per IEC/EN

Nominal voltage (III/3)	250 V
Rated surge voltage (III/3)	4 kV
Rated voltage (III/2)	500 V
Rated surge voltage (III/2)	4 kV
Rated current	32 A
Legend (ratings)	(III / 3) ≙ Overvoltage category III / Pollution degree 3

Connection data

Pole No.	15
Total number of potentials	15
Number of levels	1

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

WAGO Kontakttechnik GmbH & Co. KG
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Physical data

Pin spacing	5 mm / 0.197 inch
Width	78.6 mm / 3.094 inch
Height from the surface	22.2 mm / 0.874 inch
Depth	18.3 mm / 0.72 inch

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
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Material data

Color	gray
Insulation material	Polyamide (PA66)
Fire load	0.314 MJ
Weight	14.9 g

Commercial data

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918270809
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

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

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DEKRA Certification B.V.



CCA DEKRA Certification B.V.	IEC 61984	NL-47799 /A1
CSA DEKRA Certification B.V.	C22.2 No. 158	1101144



KEMA/KEUR DEKRA Certification B.V.	EN 60947	2190419.01
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Ship Approvals

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

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1977	20151210- E45171
	UR Underwriters Laboratories Inc.	UL 1059	20190731- E45172

Compatible products

Marking accessories

	Item no.: 210-831 Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	www.wago.com/210-831
	Item no.: 210-832 Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	www.wago.com/210-832

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**Item no.: 210-833**

Marking strips; on reel; 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**Female plug****Item no.: 769-101**1-conductor female plug; 4 mm²; 1-pole; 4,00 mm²; graywww.wago.com/769-101**Item no.: 769-102**1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; graywww.wago.com/769-102**Item no.: 769-102/000-036**1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-102/000-036**Item no.: 769-102/000-037**1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-102/000-037**Item no.: 769-103**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; graywww.wago.com/769-103**Item no.: 769-103/000-036**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-103/000-036**Item no.: 769-103/000-037**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-103/000-037**Item no.: 769-103/000-038**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-103/000-038**Item no.: 769-103/000-039**1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; green-yellow, blue, graywww.wago.com/769-103/000-039**Item no.: 769-104**1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; graywww.wago.com/769-104**Item no.: 769-104/000-036**1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-104/000-036**Item no.: 769-104/000-037**1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-104/000-037**Item no.: 769-104/000-038**1-conductor female plug; 4 mm²; 4-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-104/000-038

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	Item no.: 769-104/000-039 1-conductor female plug; 4 mm ² ; 4-pole; 4,00 mm ² ; green-yellow, blue, gray	www.wago.com/769-104/000-039
	Item no.: 769-105 1-conductor female plug; 4 mm ² ; 5-pole; 4,00 mm ² ; gray	www.wago.com/769-105
	Item no.: 769-105/000-036 1-conductor female plug; 4 mm ² ; 5-pole; 4,00 mm ² ; gray, green-yellow	www.wago.com/769-105/000-036
	Item no.: 769-105/000-037 1-conductor female plug; 4 mm ² ; 5-pole; 4,00 mm ² ; green-yellow, gray	www.wago.com/769-105/000-037
	Item no.: 769-105/000-038 1-conductor female plug; 4 mm ² ; 5-pole; 4,00 mm ² ; gray, blue, green-yellow	www.wago.com/769-105/000-038
	Item no.: 769-105/000-039 1-conductor female plug; 4 mm ² ; 5-pole; 4,00 mm ² ; green-yellow, blue, gray	www.wago.com/769-105/000-039
	Item no.: 769-106 1-conductor female plug; 4 mm ² ; 6-pole; 4,00 mm ² ; gray	www.wago.com/769-106
	Item no.: 769-106/000-006 1-conductor female plug; 4 mm ² ; 6-pole; 4,00 mm ² ; blue	www.wago.com/769-106/000-006
	Item no.: 769-106/000-036 1-conductor female plug; 4 mm ² ; 6-pole; 4,00 mm ² ; gray, green-yellow	www.wago.com/769-106/000-036
	Item no.: 769-106/000-037 1-conductor female plug; 4 mm ² ; 6-pole; 4,00 mm ² ; green-yellow, gray	www.wago.com/769-106/000-037
	Item no.: 769-106/000-038 1-conductor female plug; 4 mm ² ; 6-pole; 4,00 mm ² ; gray, blue, green-yellow	www.wago.com/769-106/000-038
	Item no.: 769-106/000-039 1-conductor female plug; 4 mm ² ; 6-pole; 4,00 mm ² ; green-yellow, blue, gray	www.wago.com/769-106/000-039
	Item no.: 769-107 1-conductor female plug; 4 mm ² ; 7-pole; 4,00 mm ² ; gray	www.wago.com/769-107
	Item no.: 769-107/000-036 1-conductor female plug; 4 mm ² ; 7-pole; 4,00 mm ² ; gray, green-yellow	www.wago.com/769-107/000-036

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

**Item no.: 769-107/000-037**1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-107/000-037**Item no.: 769-107/000-038**1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-107/000-038**Item no.: 769-107/000-039**1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; green-yellow, blue, graywww.wago.com/769-107/000-039**Item no.: 769-108**1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; graywww.wago.com/769-108**Item no.: 769-108/000-036**1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-108/000-036**Item no.: 769-108/000-037**1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-108/000-037**Item no.: 769-108/000-038**1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-108/000-038**Item no.: 769-108/000-039**1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; green-yellow, blue, graywww.wago.com/769-108/000-039**Item no.: 769-109**1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; graywww.wago.com/769-109**Item no.: 769-109/000-036**1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-109/000-036**Item no.: 769-109/000-037**1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-109/000-037**Item no.: 769-109/000-038**1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-109/000-038**Item no.: 769-109/000-039**1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; green-yellow, blue, graywww.wago.com/769-109/000-039**Item no.: 769-110**1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; graywww.wago.com/769-110

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**Item no.: 769-110/000-036**

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-110/000-036**Item no.: 769-110/000-037**

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; green-yellow, gray

www.wago.com/769-110/000-037**Item no.: 769-110/000-038**

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; gray, blue, green-yellow

www.wago.com/769-110/000-038**Item no.: 769-110/000-039**

1-conductor female plug; 4 mm²; 10-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-110/000-039**Item no.: 769-111**

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; gray

www.wago.com/769-111**Item no.: 769-111/000-036**

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-111/000-036**Item no.: 769-111/000-037**

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; green-yellow, gray

www.wago.com/769-111/000-037**Item no.: 769-111/000-038**

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; gray, blue, green-yellow

www.wago.com/769-111/000-038**Item no.: 769-111/000-039**

1-conductor female plug; 4 mm²; 11-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-111/000-039**Item no.: 769-112**

1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; gray

www.wago.com/769-112**Item no.: 769-112/000-036**

1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-112/000-036**Item no.: 769-112/000-037**

1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; green-yellow, gray

www.wago.com/769-112/000-037**Item no.: 769-112/000-038**

1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; gray, blue, green-yellow

www.wago.com/769-112/000-038**Item no.: 769-112/000-039**

1-conductor female plug; 4 mm²; 12-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-112/000-039

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**Item no.: 769-113**1-conductor female plug; 4 mm²; 13-pole; 4,00 mm²; graywww.wago.com/769-113**Item no.: 769-113/000-036**1-conductor female plug; 4 mm²; 13-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-113/000-036**Item no.: 769-113/000-037**1-conductor female plug; 4 mm²; 13-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-113/000-037**Item no.: 769-113/000-038**1-conductor female plug; 4 mm²; 13-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-113/000-038**Item no.: 769-113/000-039**1-conductor female plug; 4 mm²; 13-pole; 4,00 mm²; green-yellow, blue, graywww.wago.com/769-113/000-039**Item no.: 769-114**1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; graywww.wago.com/769-114**Item no.: 769-114/000-036**1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-114/000-036**Item no.: 769-114/000-037**1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-114/000-037**Item no.: 769-114/000-038**1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-114/000-038**Item no.: 769-114/000-039**1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; green-yellow, blue, graywww.wago.com/769-114/000-039**Item no.: 769-115**1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; graywww.wago.com/769-115**Item no.: 769-115/000-036**1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; gray, green-yellowwww.wago.com/769-115/000-036**Item no.: 769-115/000-037**1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; green-yellow, graywww.wago.com/769-115/000-037**Item no.: 769-115/000-038**1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; gray, blue, green-yellowwww.wago.com/769-115/000-038

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

**Item no.: 769-115/000-039**

1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-115/000-039**Item no.: 769-115/021-000**

1-conductor female plug; Locking lever; 4 mm²; 15-pole; 4,00 mm²; gray

www.wago.com/769-115/021-000**Item no.: 769-121**

2-conductor female connector; 4 mm²; 1-pole; 4,00 mm²; gray

www.wago.com/769-121**Item no.: 769-122**

2-conductor female connector; 4 mm²; 2-pole; 4,00 mm²; gray

www.wago.com/769-122**Item no.: 769-123**

2-conductor female connector; 4 mm²; 3-pole; 4,00 mm²; gray

www.wago.com/769-123**Item no.: 769-124**

2-conductor female connector; 4 mm²; 4-pole; 4,00 mm²; gray

www.wago.com/769-124**Item no.: 769-125**

2-conductor female connector; 4 mm²; 5-pole; 4,00 mm²; gray

www.wago.com/769-125**Item no.: 769-126**

2-conductor female connector; 4 mm²; 6-pole; 4,00 mm²; gray

www.wago.com/769-126**Item no.: 769-127**

2-conductor female connector; 4 mm²; 7-pole; 4,00 mm²; gray

www.wago.com/769-127**Item no.: 769-128**

2-conductor female connector; 4 mm²; 8-pole; 4,00 mm²; gray

www.wago.com/769-128**Item no.: 769-129**

2-conductor female connector; 4 mm²; 9-pole; 4,00 mm²; gray

www.wago.com/769-129**Item no.: 769-130**

2-conductor female connector; 4 mm²; 10-pole; 4,00 mm²; gray

www.wago.com/769-130**Item no.: 769-131**

2-conductor female connector; 4 mm²; 11-pole; 4,00 mm²; gray

www.wago.com/769-131**Item no.: 769-132**

2-conductor female connector; 4 mm²; 12-pole; 4,00 mm²; gray

www.wago.com/769-132**Item no.: 769-133**

2-conductor female connector; 4 mm²; 13-pole; 4,00 mm²; gray

www.wago.com/769-133**Item no.: 769-134**

2-conductor female connector; 4 mm²; 14-pole; 4,00 mm²; gray

www.wago.com/769-134**Item no.: 769-135**

2-conductor female connector; 4 mm²; 15-pole; 4,00 mm²; gray

www.wago.com/769-135**Coding**

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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**

769-645 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
769-645 doc - Datei	2017 Oct 4	doc 25.1 kB	Download

Additional Information

Technical explanations	2019 Apr 3	pdf 2.2 MB	Download
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CAD/CAE-Data**CAD data**

2D/3D Models 769-645	URL	Download
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PCB Design

Symbol and Footprint 769-645	URL	Download
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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
- Altium 6 to current version
- 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

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



- 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

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

CAE data

ZUKEN Portal 769-645	URL	Download
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Environmental Product Compliance

Compliance Search

Environmental Product Compliance 769-645	URL	Download
THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 15-pole; gray		

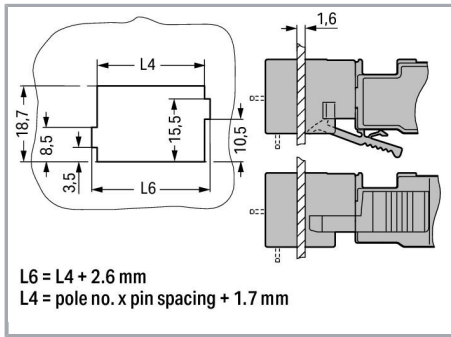
Installation Notes

Installation

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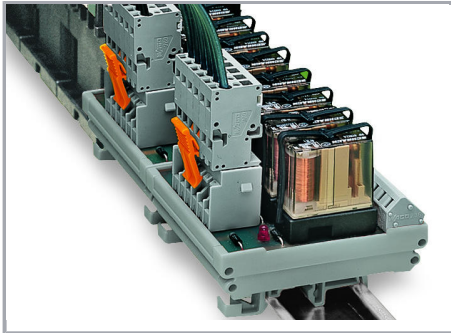
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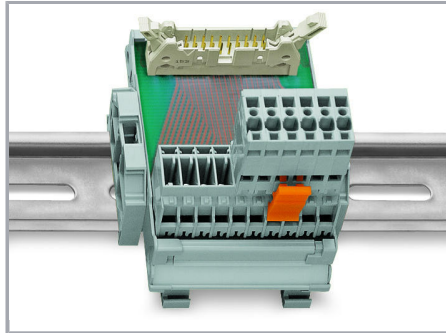
Cutout

Male headers with solder pins

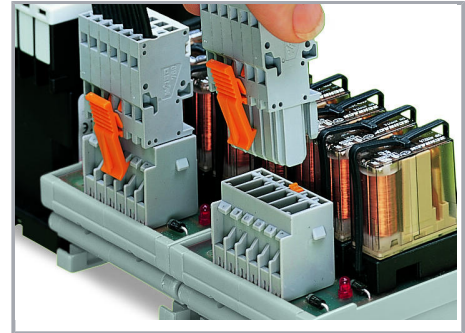
Application



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



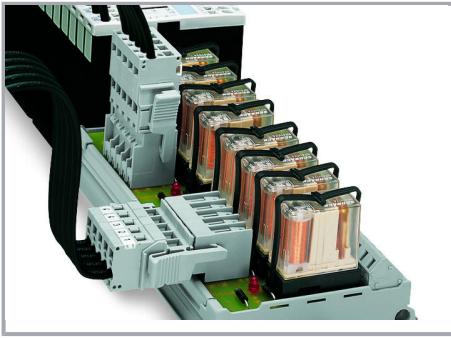
Male headers with solder pins for printed circuit boards



Pluggable PCB connection

Connection to a relay module inside the switchgear cabinet

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



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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