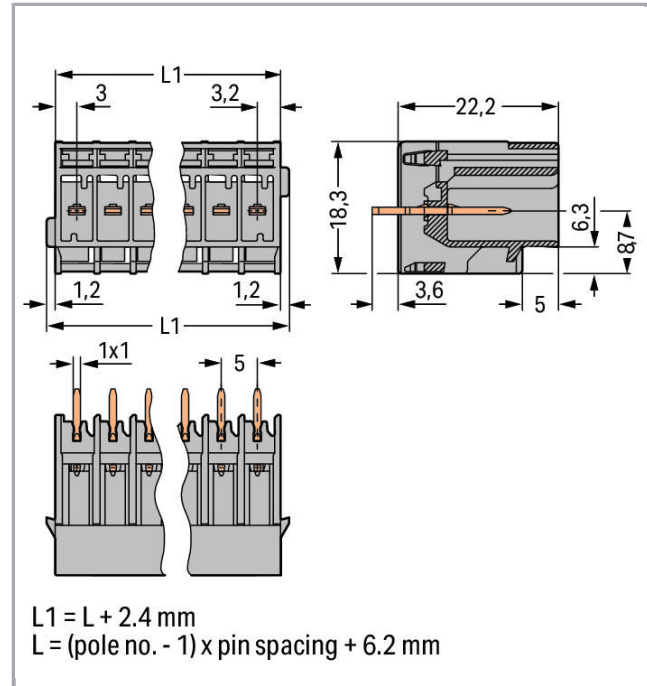


Data sheet | Item number: 769-645

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

www.wago.com/769-645



RoHS Compliant

BOMcheck.net

Color: ■

Data

Electrical data

Ratings per IEC/EN 60664-1

Rated 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!

WAGO Kontakttechnik GmbH & Co. KG
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32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
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Legend (ratings)

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

Connection data

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

Geometrical 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 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

Color	gray
Insulating material	Polyamide 66 (PA 66)
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 No.	85366990990





Approvals / Certificates

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


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Country specific Approvals

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

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

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

Counterpart



Item no.769-115

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

www.wago.com/769-115



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.769-135

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

www.wago.com/769-135

Compatible products

Female plug

Item no.: 769-101

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

www.wago.com/769-101

Item no.: 769-102

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

www.wago.com/769-102

Item no.: 769-102/000-036

1-conductor female plug; 4 mm²; 2-pole; 4,00 mm²; gray, green-yellow

www.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, gray

www.wago.com/769-102/000-037

Item no.: 769-103

1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray

www.wago.com/769-103

Item no.: 769-103/000-036

1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-103/000-036

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

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Item no.: 769-103/000-037

1-conductor female plug; 4 mm²; 3-pole; 4,00 mm²; green-yellow, gray

www.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-yellow

www.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, gray

www.wago.com/769-103/000-039

Item no.: 769-104

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

www.wago.com/769-104

Item no.: 769-104/000-036

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

www.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, gray

www.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-yellow

www.wago.com/769-104/000-038

Item no.: 769-104/000-039

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

www.wago.com/769-104/000-039

Item no.: 769-105

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; gray

www.wago.com/769-105

Item no.: 769-105/000-036

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-105/000-036

Item no.: 769-105/000-037

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; green-yellow, gray

www.wago.com/769-105/000-037

Item no.: 769-105/000-038

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; gray, blue, green-yellow

www.wago.com/769-105/000-038



Item no.: 769-105/000-039

1-conductor female plug; 4 mm²; 5-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-105/000-039



Item no.: 769-106

1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; gray

www.wago.com/769-106

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

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Item no.: 769-106/000-006
1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; blue

www.wago.com/769-106/000-006



Item no.: 769-106/000-036
1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-106/000-036



Item no.: 769-106/000-037
1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; green-yellow, gray

www.wago.com/769-106/000-037



Item no.: 769-106/000-038
1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; gray, blue, green-yellow

www.wago.com/769-106/000-038

Item no.: 769-106/000-039
1-conductor female plug; 4 mm²; 6-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-106/000-039

Item no.: 769-107
1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; gray

www.wago.com/769-107



Item no.: 769-107/000-036
1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; gray, green-yellow

www.wago.com/769-107/000-036



Item no.: 769-107/000-037
1-conductor female plug; 4 mm²; 7-pole; 4,00 mm²; green-yellow, gray

www.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-yellow

www.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, gray

www.wago.com/769-107/000-039

Item no.: 769-108
1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray

www.wago.com/769-108

Item no.: 769-108/000-036
1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; gray, green-yellow

www.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, gray

www.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-yellow

www.wago.com/769-108/000-038

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



Item no.: 769-108/000-039

1-conductor female plug; 4 mm²; 8-pole; 4,00 mm²; green-yellow, blue, gray

www.wago.com/769-108/000-039



Item no.: 769-109

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray

www.wago.com/769-109

Item no.: 769-109/000-036

1-conductor female plug; 4 mm²; 9-pole; 4,00 mm²; gray, green-yellow

www.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, gray

www.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-yellow

www.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, gray

www.wago.com/769-109/000-039



Item no.: 769-110

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

www.wago.com/769-110



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

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

	Item no.: 769-111/000-038 1-conductor female plug; 4 mm ² ; 11-pole; 4,00 mm ² ; gray, blue, green-yellow	www.wago.com/769-111/000-038
	Item no.: 769-111/000-039 1-conductor female plug; 4 mm ² ; 11-pole; 4,00 mm ² ; green-yellow, blue, gray	www.wago.com/769-111/000-039
	Item no.: 769-112 1-conductor female plug; 4 mm ² ; 12-pole; 4,00 mm ² ; gray	www.wago.com/769-112
	Item no.: 769-112/000-036 1-conductor female plug; 4 mm ² ; 12-pole; 4,00 mm ² ; gray, green-yellow	www.wago.com/769-112/000-036
	Item no.: 769-112/000-037 1-conductor female plug; 4 mm ² ; 12-pole; 4,00 mm ² ; green-yellow, gray	www.wago.com/769-112/000-037
	Item no.: 769-112/000-038 1-conductor female plug; 4 mm ² ; 12-pole; 4,00 mm ² ; gray, blue, green-yellow	www.wago.com/769-112/000-038
	Item no.: 769-112/000-039 1-conductor female plug; 4 mm ² ; 12-pole; 4,00 mm ² ; green-yellow, blue, gray	www.wago.com/769-112/000-039
	Item no.: 769-113 1-conductor female plug; 4 mm ² ; 13-pole; 4,00 mm ² ; gray	www.wago.com/769-113
	Item no.: 769-113/000-036 1-conductor female plug; 4 mm ² ; 13-pole; 4,00 mm ² ; gray, green-yellow	www.wago.com/769-113/000-036
	Item no.: 769-113/000-037 1-conductor female plug; 4 mm ² ; 13-pole; 4,00 mm ² ; green-yellow, gray	www.wago.com/769-113/000-037
	Item no.: 769-113/000-038 1-conductor female plug; 4 mm ² ; 13-pole; 4,00 mm ² ; gray, blue, green-yellow	www.wago.com/769-113/000-038
	Item no.: 769-113/000-039 1-conductor female plug; 4 mm ² ; 13-pole; 4,00 mm ² ; green-yellow, blue, gray	www.wago.com/769-113/000-039
	Item no.: 769-114 1-conductor female plug; 4 mm ² ; 14-pole; 4,00 mm ² ; gray	www.wago.com/769-114
	Item no.: 769-114/000-036 1-conductor female plug; 4 mm ² ; 14-pole; 4,00 mm ² ; gray, green-yellow	www.wago.com/769-114/000-036

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

	<p>Item no.: 769-114/000-037 1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; green-yellow, gray</p>	www.wago.com/769-114/000-037
	<p>Item no.: 769-114/000-038 1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; gray, blue, green-yellow</p>	www.wago.com/769-114/000-038
	<p>Item no.: 769-114/000-039 1-conductor female plug; 4 mm²; 14-pole; 4,00 mm²; green-yellow, blue, gray</p>	www.wago.com/769-114/000-039
	<p>Item no.: 769-115/000-036 1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; gray, green-yellow</p>	www.wago.com/769-115/000-036
	<p>Item no.: 769-115/000-037 1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; green-yellow, gray</p>	www.wago.com/769-115/000-037
	<p>Item no.: 769-115/000-038 1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; gray, blue, green-yellow</p>	www.wago.com/769-115/000-038
	<p>Item no.: 769-115/000-039 1-conductor female plug; 4 mm²; 15-pole; 4,00 mm²; green-yellow, blue, gray</p>	www.wago.com/769-115/000-039
	<p>Item no.: 769-121 2-conductor female connector; 4 mm²; 1-pole; 4,00 mm²; gray</p>	www.wago.com/769-121
	<p>Item no.: 769-122 2-conductor female connector; 4 mm²; 2-pole; 4,00 mm²; gray</p>	www.wago.com/769-122
	<p>Item no.: 769-123 2-conductor female connector; 4 mm²; 3-pole; 4,00 mm²; gray</p>	www.wago.com/769-123
	<p>Item no.: 769-124 2-conductor female connector; 4 mm²; 4-pole; 4,00 mm²; gray</p>	www.wago.com/769-124
	<p>Item no.: 769-125 2-conductor female connector; 4 mm²; 5-pole; 4,00 mm²; gray</p>	www.wago.com/769-125
	<p>Item no.: 769-126 2-conductor female connector; 4 mm²; 6-pole; 4,00 mm²; gray</p>	www.wago.com/769-126
	<p>Item no.: 769-127 2-conductor female connector; 4 mm²; 7-pole; 4,00 mm²; gray</p>	www.wago.com/769-127
	<p>Item no.: 769-128 2-conductor female connector; 4 mm²; 8-pole; 4,00 mm²; gray</p>	www.wago.com/769-128
	<p>Item no.: 769-129 2-conductor female connector; 4 mm²; 9-pole; 4,00 mm²; gray</p>	www.wago.com/769-129

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



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

Coding

Item no.: 769-435
Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange

www.wago.com/769-435

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

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

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 2.1 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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Subject to changes. Please also observe the further product documentation!



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
- 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

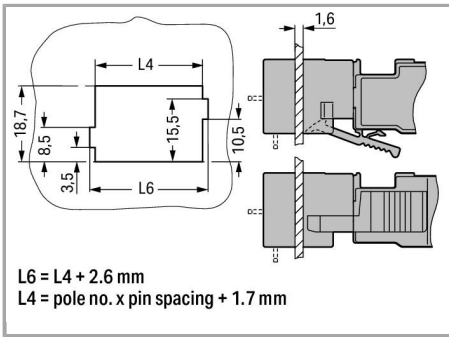
Installation Notes

Assembly

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

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32423 Minden
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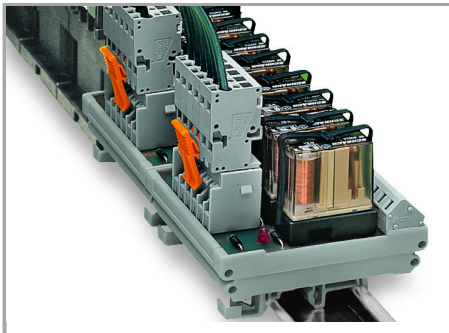
Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.



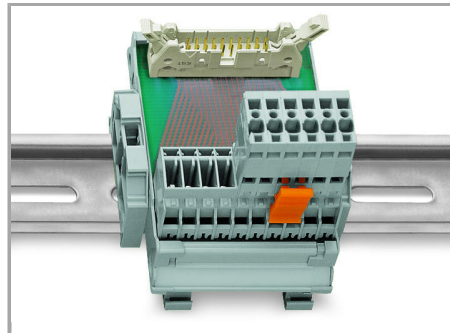
Cutout

Male headers with solder pins

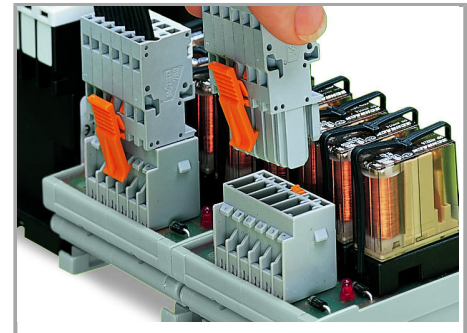
Application



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



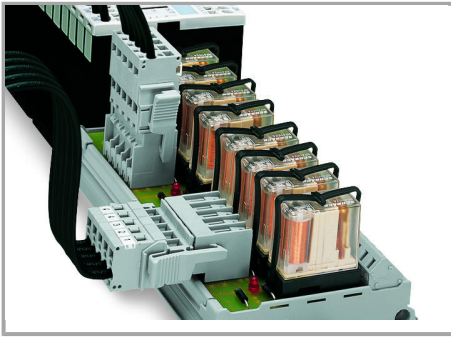
Male headers with solder pins for printed circuit boards



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

[Learn more about the product family.](#)

[Show all products from the family](#)

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