

## Data sheet | Item number: 769-641/003-000

THT male header; 1.0 x 1.0 mm solder pin; straight; clamping collar; Pin spacing 5 mm; 11-pole; gray

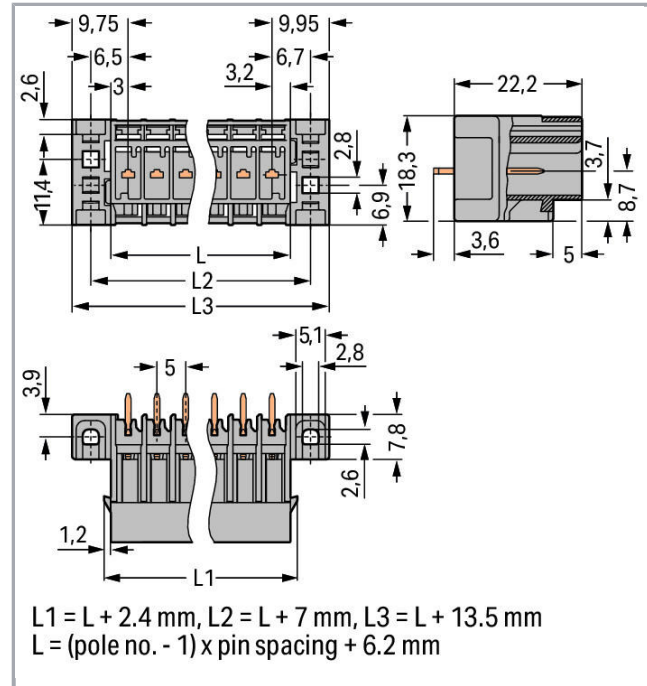
[www.wago.com/769-641/003-000](http://www.wago.com/769-641/003-000)



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

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

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Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

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## Connection data

No. of poles	11
Total number of potentials	11
Number of levels	1

## Geometrical Data

Pin spacing	5 mm / 0.197 inch
Width	69,7 mm / 2.744 inch
Height from the surface	22,2 mm / 0.874 inch
Depth	18,3 mm / 0.72 inch

## Mechanical data

Mounting type	Mounting flange
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## Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCBs
Mismating protection	No
Mating direction to the PCB	90°

## PCB contact

PCB contact	THT
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## Material Data

Color	gray
Insulating material	Polyamide 66 (PA 66)
Fire load	0.251 MJ
Weight	11.6 g

## Commercial data

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	PL
GTIN	4017332412964

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Customs Tariff No.


85366990990

## Approvals / Certificates



### 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. 769-111**

1-conductor female plug; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; gray

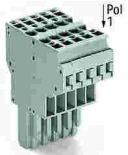
[www.wago.com/769-111](http://www.wago.com/769-111)



**Item no. 769-111/021-000**

1-conductor female plug; Locking lever; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-111/021-000](http://www.wago.com/769-111/021-000)



**Item no. 769-131**

2-conductor female connector; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-131](http://www.wago.com/769-131)

## Compatible products

### Female plug

**Item no.: 769-101**

1-conductor female plug; 4 mm<sup>2</sup>; 1-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-101](http://www.wago.com/769-101)

**Item no.: 769-102**

1-conductor female plug; 4 mm<sup>2</sup>; 2-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-102](http://www.wago.com/769-102)

**Item no.: 769-102/000-036**

1-conductor female plug; 4 mm<sup>2</sup>; 2-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-102/000-036](http://www.wago.com/769-102/000-036)

**Item no.: 769-102/000-037**

1-conductor female plug; 4 mm<sup>2</sup>; 2-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-102/000-037](http://www.wago.com/769-102/000-037)

**Item no.: 769-103**

1-conductor female plug; 4 mm<sup>2</sup>; 3-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-103](http://www.wago.com/769-103)

**Item no.: 769-103/000-036**

1-conductor female plug; 4 mm<sup>2</sup>; 3-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-103/000-036](http://www.wago.com/769-103/000-036)

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<p><b>Item no.: 769-103/000-037</b> 1-conductor female plug; 4 mm<sup>2</sup>; 3-pole; 4,00 mm<sup>2</sup>; green-yellow, gray</p>	<p><a href="http://www.wago.com/769-103/000-037">www.wago.com/769-103/000-037</a></p>
<p><b>Item no.: 769-103/000-038</b> 1-conductor female plug; 4 mm<sup>2</sup>; 3-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow</p>	<p><a href="http://www.wago.com/769-103/000-038">www.wago.com/769-103/000-038</a></p>
<p><b>Item no.: 769-103/000-039</b> 1-conductor female plug; 4 mm<sup>2</sup>; 3-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray</p>	<p><a href="http://www.wago.com/769-103/000-039">www.wago.com/769-103/000-039</a></p>
<p><b>Item no.: 769-104</b> 1-conductor female plug; 4 mm<sup>2</sup>; 4-pole; 4,00 mm<sup>2</sup>; gray</p>	<p><a href="http://www.wago.com/769-104">www.wago.com/769-104</a></p>
<p><b>Item no.: 769-104/000-036</b> 1-conductor female plug; 4 mm<sup>2</sup>; 4-pole; 4,00 mm<sup>2</sup>; gray, green-yellow</p>	<p><a href="http://www.wago.com/769-104/000-036">www.wago.com/769-104/000-036</a></p>
<p><b>Item no.: 769-104/000-037</b> 1-conductor female plug; 4 mm<sup>2</sup>; 4-pole; 4,00 mm<sup>2</sup>; green-yellow, gray</p>	<p><a href="http://www.wago.com/769-104/000-037">www.wago.com/769-104/000-037</a></p>
<p><b>Item no.: 769-104/000-038</b> 1-conductor female plug; 4 mm<sup>2</sup>; 4-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow</p>	<p><a href="http://www.wago.com/769-104/000-038">www.wago.com/769-104/000-038</a></p>
<p><b>Item no.: 769-104/000-039</b> 1-conductor female plug; 4 mm<sup>2</sup>; 4-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray</p>	<p><a href="http://www.wago.com/769-104/000-039">www.wago.com/769-104/000-039</a></p>
<p><b>Item no.: 769-105</b> 1-conductor female plug; 4 mm<sup>2</sup>; 5-pole; 4,00 mm<sup>2</sup>; gray</p>	<p><a href="http://www.wago.com/769-105">www.wago.com/769-105</a></p>
<p><b>Item no.: 769-105/000-036</b> 1-conductor female plug; 4 mm<sup>2</sup>; 5-pole; 4,00 mm<sup>2</sup>; gray, green-yellow</p>	<p><a href="http://www.wago.com/769-105/000-036">www.wago.com/769-105/000-036</a></p>
<p><b>Item no.: 769-105/000-037</b> 1-conductor female plug; 4 mm<sup>2</sup>; 5-pole; 4,00 mm<sup>2</sup>; green-yellow, gray</p>	<p><a href="http://www.wago.com/769-105/000-037">www.wago.com/769-105/000-037</a></p>
<p><b>Item no.: 769-105/000-038</b> 1-conductor female plug; 4 mm<sup>2</sup>; 5-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow</p>	<p><a href="http://www.wago.com/769-105/000-038">www.wago.com/769-105/000-038</a></p>
<p> <b>Item no.: 769-105/000-039</b> 1-conductor female plug; 4 mm<sup>2</sup>; 5-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray</p>	<p><a href="http://www.wago.com/769-105/000-039">www.wago.com/769-105/000-039</a></p>
<p> <b>Item no.: 769-106</b> 1-conductor female plug; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; gray</p>	<p><a href="http://www.wago.com/769-106">www.wago.com/769-106</a></p>

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



**Item no.: 769-106/000-006**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; blue

[www.wago.com/769-106/000-006](http://www.wago.com/769-106/000-006)



**Item no.: 769-106/000-036**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-106/000-036](http://www.wago.com/769-106/000-036)



**Item no.: 769-106/000-037**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-106/000-037](http://www.wago.com/769-106/000-037)



**Item no.: 769-106/000-038**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-106/000-038](http://www.wago.com/769-106/000-038)

**Item no.: 769-106/000-039**  
1-conductor female plug; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray

[www.wago.com/769-106/000-039](http://www.wago.com/769-106/000-039)

**Item no.: 769-107**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-107](http://www.wago.com/769-107)

**Item no.: 769-107/000-036**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-107/000-036](http://www.wago.com/769-107/000-036)



**Item no.: 769-107/000-037**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-107/000-037](http://www.wago.com/769-107/000-037)



**Item no.: 769-107/000-038**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-107/000-038](http://www.wago.com/769-107/000-038)



**Item no.: 769-107/000-039**  
1-conductor female plug; 4 mm<sup>2</sup>; 7-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray

[www.wago.com/769-107/000-039](http://www.wago.com/769-107/000-039)

**Item no.: 769-108**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-108](http://www.wago.com/769-108)

**Item no.: 769-108/000-036**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-108/000-036](http://www.wago.com/769-108/000-036)

**Item no.: 769-108/000-037**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-108/000-037](http://www.wago.com/769-108/000-037)



**Item no.: 769-108/000-038**  
1-conductor female plug; 4 mm<sup>2</sup>; 8-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-108/000-038](http://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 mm<sup>2</sup>; 8-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray

[www.wago.com/769-108/000-039](http://www.wago.com/769-108/000-039)



**Item no.: 769-109**

1-conductor female plug; 4 mm<sup>2</sup>; 9-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-109](http://www.wago.com/769-109)

**Item no.: 769-109/000-036**

1-conductor female plug; 4 mm<sup>2</sup>; 9-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-109/000-036](http://www.wago.com/769-109/000-036)

**Item no.: 769-109/000-037**

1-conductor female plug; 4 mm<sup>2</sup>; 9-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-109/000-037](http://www.wago.com/769-109/000-037)

**Item no.: 769-109/000-038**

1-conductor female plug; 4 mm<sup>2</sup>; 9-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-109/000-038](http://www.wago.com/769-109/000-038)



**Item no.: 769-109/000-039**

1-conductor female plug; 4 mm<sup>2</sup>; 9-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray

[www.wago.com/769-109/000-039](http://www.wago.com/769-109/000-039)



**Item no.: 769-110**

1-conductor female plug; 4 mm<sup>2</sup>; 10-pole; 4,00 mm<sup>2</sup>; gray

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



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

1-conductor female plug; 4 mm<sup>2</sup>; 10-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-110/000-036](http://www.wago.com/769-110/000-036)



**Item no.: 769-110/000-037**

1-conductor female plug; 4 mm<sup>2</sup>; 10-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-110/000-037](http://www.wago.com/769-110/000-037)



**Item no.: 769-110/000-038**

1-conductor female plug; 4 mm<sup>2</sup>; 10-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-110/000-038](http://www.wago.com/769-110/000-038)



**Item no.: 769-110/000-039**

1-conductor female plug; 4 mm<sup>2</sup>; 10-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray

[www.wago.com/769-110/000-039](http://www.wago.com/769-110/000-039)



**Item no.: 769-111/000-036**

1-conductor female plug; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-111/000-036](http://www.wago.com/769-111/000-036)



**Item no.: 769-111/000-037**

1-conductor female plug; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-111/000-037](http://www.wago.com/769-111/000-037)



**Item no.: 769-111/000-038**

1-conductor female plug; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-111/000-038](http://www.wago.com/769-111/000-038)

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**Item no.: 769-111/000-039**1-conductor female plug; 4 mm<sup>2</sup>; 11-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray[www.wago.com/769-111/000-039](http://www.wago.com/769-111/000-039)**Item no.: 769-121**2-conductor female connector; 4 mm<sup>2</sup>; 1-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-121](http://www.wago.com/769-121)**Item no.: 769-122**2-conductor female connector; 4 mm<sup>2</sup>; 2-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-122](http://www.wago.com/769-122)**Item no.: 769-123**2-conductor female connector; 4 mm<sup>2</sup>; 3-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-123](http://www.wago.com/769-123)**Item no.: 769-124**2-conductor female connector; 4 mm<sup>2</sup>; 4-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-124](http://www.wago.com/769-124)**Item no.: 769-125**2-conductor female connector; 4 mm<sup>2</sup>; 5-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-125](http://www.wago.com/769-125)**Item no.: 769-126**2-conductor female connector; 4 mm<sup>2</sup>; 6-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-126](http://www.wago.com/769-126)**Item no.: 769-127**2-conductor female connector; 4 mm<sup>2</sup>; 7-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-127](http://www.wago.com/769-127)**Item no.: 769-128**2-conductor female connector; 4 mm<sup>2</sup>; 8-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-128](http://www.wago.com/769-128)**Item no.: 769-129**2-conductor female connector; 4 mm<sup>2</sup>; 9-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-129](http://www.wago.com/769-129)**Item no.: 769-130**2-conductor female connector; 4 mm<sup>2</sup>; 10-pole; 4,00 mm<sup>2</sup>; gray[www.wago.com/769-130](http://www.wago.com/769-130)

### Marking accessories

**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.: 210-832**

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

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

### 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)

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## 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 769-641/003-000	URL	Download
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#### PCB Design

Symbol and Footprint 769-641/003-000	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
- 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

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

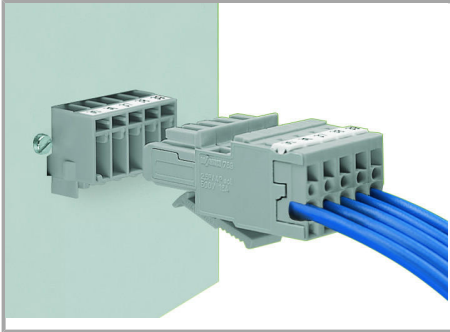
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

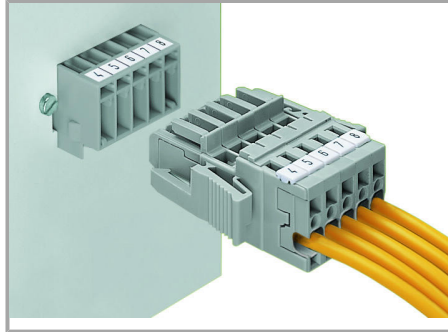
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## Installation Notes

### Application



Male header with mounting flanges



Male header with mounting flanges

1-conductor female plug with bottom-mount locking levers

1-conductor female plug with lateral locking levers

### Product family

#### X-COM

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

[Show all products from the family](#)

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