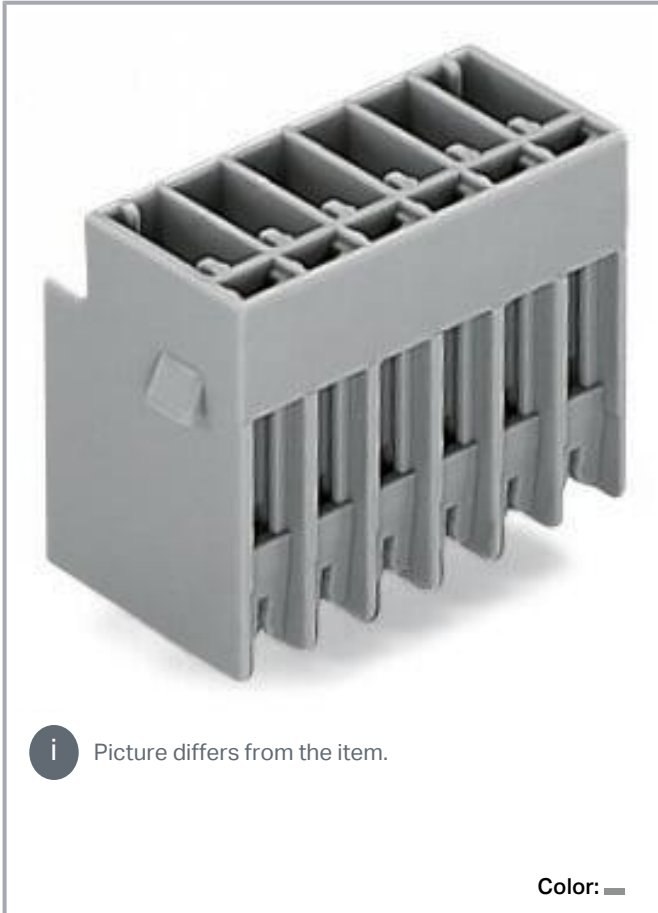


## Data sheet | Item number: 769-638

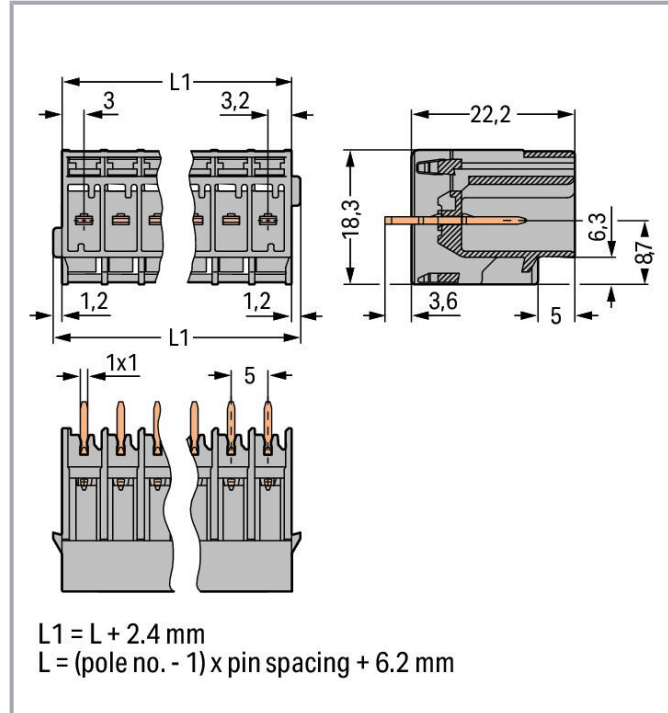
THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 8-pole; gray

[www.wago.com/769-638](http://www.wago.com/769-638)



 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

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

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Legend (ratings)

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

### Connection data

Total number of potentials	8
Number of levels	1
Preceding contacts	No

### Connection 1

Pole number	8
-------------	---

### Physical data

Pin spacing	5 mm / 0.197 inches
Width	43.6 mm / 1.717 inches
Height from the surface	22.2 mm / 0.874 inches
Depth	18.3 mm / 0.72 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	90 °

### PCB contact

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

### Material Data

Note (material data)	Information on material specifications can be found here
Color	gray

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

Material group	I
Insulation material	Polyamide (PA66)
Flammability class per UL94	V0
Fire load	0.219 MJ
Weight	8.2 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	4044918270717
Customs tariff number	85366990990

### Environmental Product Compliance





RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates



#### General approvals

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


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	CSA DEKRA Certification B.V.	C22.2 No. 158	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

**Optional accessories**

Coding		
	Item no.: 769-435 Coding pin; for coding of female plugs; for carrier terminal blocks / male connectors; orange	<a href="http://www.wago.com/769-435">www.wago.com/769-435</a>





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

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**Marking accessories**


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## Marking strip

	<b>Item no.: 210-831</b> Marking strips; on reel; 2.3 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-831">www.wago.com/210-831</a>
	<b>Item no.: 210-833</b> Marking strips; 25 m on roll; 6 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-833">www.wago.com/210-833</a>
	<b>Item no.: 210-834</b> Marking strips; on reel; 5 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-834">www.wago.com/210-834</a>
	<b>Item no.: 210-832</b> Marking strips; on reel; 3 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-832">www.wago.com/210-832</a>

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**Downloads****Documentation****Bid Text**

769-638 X81 - Datei	2019 Feb 19	xml 3.0 kB	Download
769-638 doc - Datei	2017 Oct 4	doc 25.6 kB	Download

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**Additional Information**

Technical Section Technical explanations		pdf 2.2 MB	Download
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**CAD/CAE-Data****CAD data**

2D/3D Models 769-638		URL	Download
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**PCB Design**

Symbol and Footprint 769-638		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:**

—  
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- 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

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#### CAE data

ZUKEN Portal 769-638	<a href="#">URL</a>	<a href="#">Download</a>
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## Environmental Product Compliance

### Compliance Search

Environmental Product Compliance 769-638	<a href="#">URL</a>	<a href="#">Download</a>
THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 8-pole; gray		

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## Installation Notes

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## Product family

X-COM

[Show all products from the family](#)

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