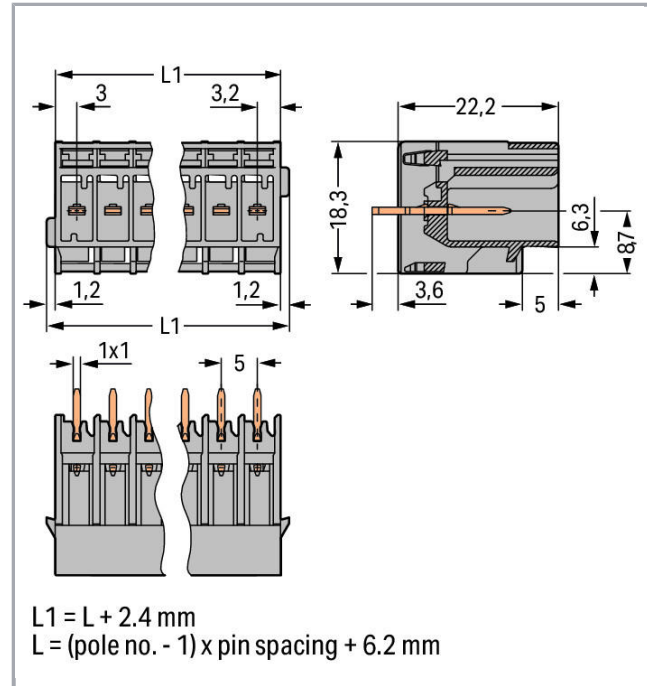


## Fișă tehnică | Număr articol: 769-642

THT male header; 1.0 x 1.0 mm solder pin; straight; Pin spacing 5 mm; 12-pole; gray

[www.wago.com/769-642](http://www.wago.com/769-642)



RoHS  Compliant

[BOMcheck.net](https://www.bomcheck.net)

Culoare: ■

### Date

#### Electrical data

#### Ratings per IEC/EN 60664-1

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

Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
/Representative Office Romania  
Sos. Pipera-Tunari nr. 1/1  
building 1, 2nd floor | 077190 Voluntari, Ilfov  
Tel.: +40-(0)31 421 85 68 | Email: [info-RO@wago.com](mailto:info-RO@wago.com)

Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



Legend (ratings)

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

**Connection data**

Pole No.	12
Total number of potentials	12
Number of levels	1

**Geometrical Data**

Pin spacing	5 mm / 0.197 inch
Width	63,6 mm / 2.504 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
Insulation material	Polyamide 66 (PA 66)
Fire load	0,261 MJ
Weight	12,3 g

**Commercial data**

Product Group	18 (X-COM-System)
Packaging type	BOX
Country of origin	PL
GTIN	4044918270779
Customs tariff number	85366990990





**Aprobări / certificate**

Supus modificărilor.


WAGO Kontakttechnik GmbH & Co. KG  
 /Representative Office Romania  
 Sos. Pipera-Tunari nr. 1/1  
 building 1, 2nd floor | 077190 Voluntari, Ilfov  
 Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com

Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.



## Country specific Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>CCA</b> DEKRA Certification B.V.	EN 61984	2190419.02
	<b>CCA</b> DEKRA Certification B.V.	EN 60947	NTR NL-7626
	<b>CSA</b> DEKRA Certification B.V.	C22.2 No. 158	1101144
	<b>KEMA/KEUR</b> DEKRA Certification B.V.	EN 60947	2190419.01

## Ship Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>DNV GL</b> Det Norske Veritas, Germanischer Lloyd	-	TAE00001V2

## UL-Approvals

Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	<b>UR</b> Underwriters Laboratories Inc.	UL 1059	20190731-E45172
	<b>UR</b> Underwriters Laboratories Inc.	UL 1977	20151210-E45171

## Counterpart



Supus modificărilor.

WAGO Kontakttechnik GmbH & Co. KG  
 /Representative Office Romania  
 Sos. Pipera-Tunari nr. 1/1  
 building 1, 2nd floor | 077190 Voluntari, Ilfov  
 Tel.: +40-(0)31 421 85 68 | Email: info-RO@wago.com


Aveți întrebări despre produsele noastre?  
 Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

## Produse compatibile









### Marking accessories

	<b>Nr. articol: 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>Nr. articol: 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>
	<b>Nr. articol: 210-833</b> Marking strips; on reel; 6 mm wide; plain; Self-adhesive; white	<a href="http://www.wago.com/210-833">www.wago.com/210-833</a>
	<b>Nr. articol: 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>















### Coding

	<b>Nr. articol: 769-435</b> 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>
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### Female plug

	<b>Nr. articol: 769-101</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 1-pole; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/769-101">www.wago.com/769-101</a>
	<b>Nr. articol: 769-102</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/769-102">www.wago.com/769-102</a>
	<b>Nr. articol: 769-102/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	<a href="http://www.wago.com/769-102/000-036">www.wago.com/769-102/000-036</a>
	<b>Nr. articol: 769-102/000-037</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 2-pole; 4,00 mm <sup>2</sup> ; green-yellow, gray	<a href="http://www.wago.com/769-102/000-037">www.wago.com/769-102/000-037</a>
	<b>Nr. articol: 769-103</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/769-103">www.wago.com/769-103</a>
	<b>Nr. articol: 769-103/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 3-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	<a href="http://www.wago.com/769-103/000-036">www.wago.com/769-103/000-036</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-103/000-037">www.wago.com/769-103/000-037</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-103/000-038">www.wago.com/769-103/000-038</a>

Supus modificărilor.

	<b>Nr. articol: 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	<a href="http://www.wago.com/769-103/000-039">www.wago.com/769-103/000-039</a>
	<b>Nr. articol: 769-104</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 4-pole; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/769-104">www.wago.com/769-104</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-104/000-036">www.wago.com/769-104/000-036</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-104/000-037">www.wago.com/769-104/000-037</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-104/000-038">www.wago.com/769-104/000-038</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-104/000-039">www.wago.com/769-104/000-039</a>
	<b>Nr. articol: 769-105</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 5-pole; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/769-105">www.wago.com/769-105</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-105/000-036">www.wago.com/769-105/000-036</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-105/000-037">www.wago.com/769-105/000-037</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-105/000-038">www.wago.com/769-105/000-038</a>
	<b>Nr. articol: 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	<a href="http://www.wago.com/769-105/000-039">www.wago.com/769-105/000-039</a>
	<b>Nr. articol: 769-106</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; gray	<a href="http://www.wago.com/769-106">www.wago.com/769-106</a>
	<b>Nr. articol: 769-106/000-006</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; blue	<a href="http://www.wago.com/769-106/000-006">www.wago.com/769-106/000-006</a>
	<b>Nr. articol: 769-106/000-036</b> 1-conductor female plug; 4 mm <sup>2</sup> ; 6-pole; 4,00 mm <sup>2</sup> ; gray, green-yellow	<a href="http://www.wago.com/769-106/000-036">www.wago.com/769-106/000-036</a>

Supus modificărilor.



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)

Supus modificărilor.



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)

Supus modificărilor.



**Nr. articol: 769-112**

1-conductor female plug; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-112](http://www.wago.com/769-112)



**Nr. articol: 769-112/000-036**

1-conductor female plug; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; gray, green-yellow

[www.wago.com/769-112/000-036](http://www.wago.com/769-112/000-036)



**Nr. articol: 769-112/000-037**

1-conductor female plug; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; green-yellow, gray

[www.wago.com/769-112/000-037](http://www.wago.com/769-112/000-037)



**Nr. articol: 769-112/000-038**

1-conductor female plug; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; gray, blue, green-yellow

[www.wago.com/769-112/000-038](http://www.wago.com/769-112/000-038)



**Nr. articol: 769-112/000-039**

1-conductor female plug; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; green-yellow, blue, gray

[www.wago.com/769-112/000-039](http://www.wago.com/769-112/000-039)



**Nr. articol: 769-112/021-000**

1-conductor female plug; Locking lever; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-112/021-000](http://www.wago.com/769-112/021-000)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)



**Nr. articol: 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)

Supus modificărilor.





**Nr. articol: 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)



**Nr. articol: 769-132**  
2-conductor female connector; 4 mm<sup>2</sup>; 12-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-132](http://www.wago.com/769-132)



**Nr. articol: 769-133**  
2-conductor female connector; 4 mm<sup>2</sup>; 13-pole; 4,00 mm<sup>2</sup>; gray

[www.wago.com/769-133](http://www.wago.com/769-133)

## Descărcări Documentation

### Additional Information

Technical explanations	Apr 3, 2019	pdf 2,1 MB	Descărcare
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## CAD/CAE-Data

### CAD data

2D/3D Models 769-642	URL	Descărcare
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### PCB Design

Symbol and Footprint 769-642	URL	Descărcare
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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

Supus modificărilor.

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Aveți întrebări despre produsele noastre?  
Vă stăm la dispoziție pentru preluarea apelului la +40 (0) 31 421 85 68.

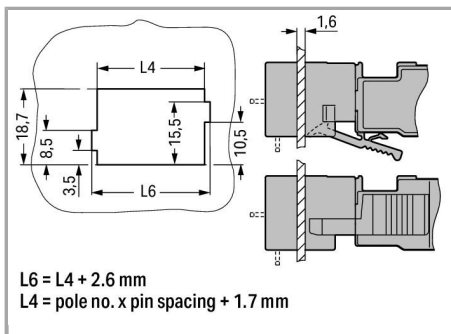
- Pulsonix 8.5 or newer
- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

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

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## Installation Notes

### Assembly

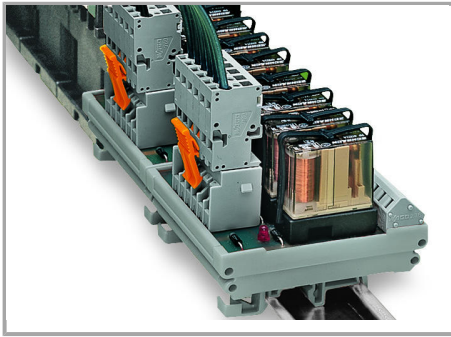


### Cutout

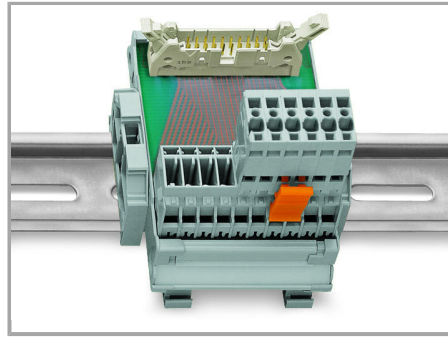
Male headers with solder pins

### Application

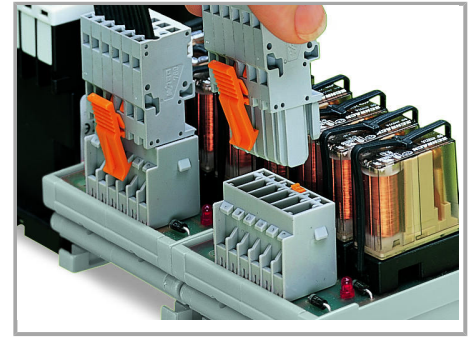
Supus modificărilor.



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

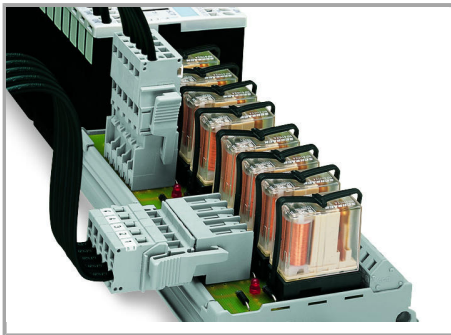


Male headers with solder pins for printed circuit boards



Pluggable PCB connection

Connection to a relay module inside the switchgear cabinet



Male headers with solder pins:

Integrating PCB components into the system wiring.

## Familie de produse

### X-COM

Afișare globală produse din familie.

Supus modificărilor.