

Fișă tehnică | Număr articol: 2091-1108/002-000

1-conductor female plug; Gripping plate sliding connector release; 1.5 mm<sup>2</sup>;  
Pin spacing 3.5 mm; 8-pole; 1,50 mm<sup>2</sup>; light gray



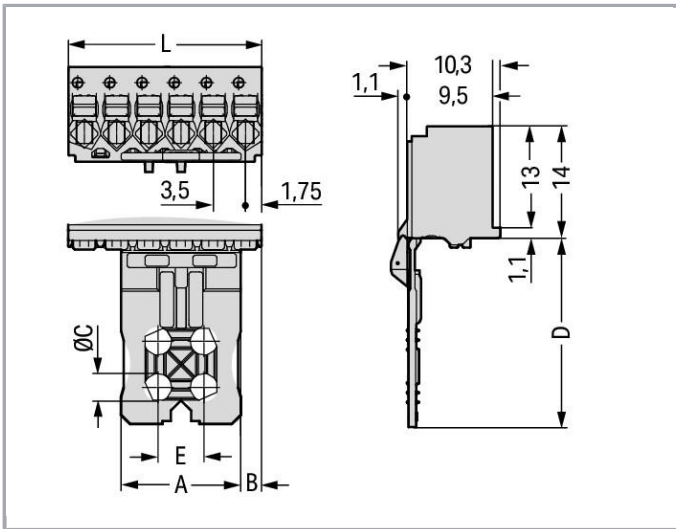
[www.wago.com/2091-1108/002-000](http://www.wago.com/2091-1108/002-000)



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.



## Descriere articol

- Universal connection of all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require special tools
- Ability to wire while mated or unmated
- Testing parallel to conductor entry – tip contact
- Also available with gripping plates
- Integrated locking latches prevent accidental disconnection

## Safety information 1:

The **picoMAX® Pluggable Connection System** includes connectors without breaking capacity in accordance with DIN EN 61984. When used as intended, these connectors must not be connected/disconnected when live or under load. The circuit design should ensure header pins, which can be touched, are not live when unmated.

## Date

## Electrical data

## Ratings per IEC/EN 60664-1

Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated surge voltage (III/3)	2,5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2,5 kV

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Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2,5 kV
Rated current	10 A
Legend (ratings)	(III / 2) $\triangleq$ Overvoltage category III / Pollution degree 2

**Approvals per UL 1059**

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	10 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A
Approvals per	UL 1059

**Connection data**

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
Actuation type	Push-button
Solid conductor	0,2 ... 1,5 mm <sup>2</sup> / 24 ... 14 AWG
Fine-stranded conductor	0,2 ... 1,5 mm <sup>2</sup> / 24 ... 14 AWG
Fine-stranded conductor; with insulated ferrule	0,25 ... 0,75 mm <sup>2</sup>
Fine-stranded conductor; with uninsulated ferrule	0,25 ... 1,5 mm <sup>2</sup>
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
Pole No.	8
Total number of connection points	8
Total number of potentials	8
Number of connection types	1
Number of levels	1

**Geometrical Data**

Pin spacing	3,5 mm / 0.138 inch
Width	28 mm / 1.102 inch
Height	34 mm / 1.339 inch
Depth	12,4 mm / 0.488 inch

**Mechanical data**

Design	With gripping plate and sliding connector release
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## Plug connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No

## Material Data

Color	light gray
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Clamping spring material	Chrome nickel spring steel (CrNi)
Contact material	Electrolytic copper (E <sub>Cu</sub> )
Contact plating	tin-plated
Fire load	0,096 MJ
Weight	3,9 g

## Environmental Requirements


Limit temperature range	-60 ... +100 °C
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## Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821411673
Customs tariff number	85366990990

## Aprobări / certificate

### Country specific Approvals

Embleă	Aprobare	Text de aprobare suplimentar	Nume certificat
	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71- 102260 REV.1


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## UL-Approvals


Emblemă	Aprobare	Text de aprobare suplimentar	Nume certificat
	UL Underwriters Laboratories Inc.	UL 1977	20190909- E45171

## Counterpart

	<b>Nr. articol</b> 2091-1428 THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 8-pole; light gray	<a href="http://www.wago.com/2091-1428">www.wago.com/2091-1428</a>
	<b>Nr. articol</b> 2091-1408 THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 8-pole; light gray	<a href="http://www.wago.com/2091-1408">www.wago.com/2091-1408</a>

## Produse compatibile


## tools

	<b>Nr. articol:</b> 210-719 Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft	<a href="http://www.wago.com/210-719">www.wago.com/210-719</a>
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## check

	<b>Nr. articol:</b> 735-500 Test pin; 1 mm Ø; with solder connection for test wire	<a href="http://www.wago.com/735-500">www.wago.com/735-500</a>
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## Coding

	<b>Nr. articol:</b> 2091-1610 Coding key carrier; suitable for 3.5 mm pin spacing; orange	<a href="http://www.wago.com/2091-1610">www.wago.com/2091-1610</a>
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## Descărcări

## Documentation

## Additional Information

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

### CAD data

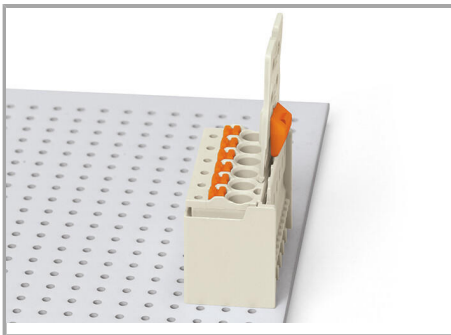
2D/3D Models 2091-1108/002-000

[URL](#)

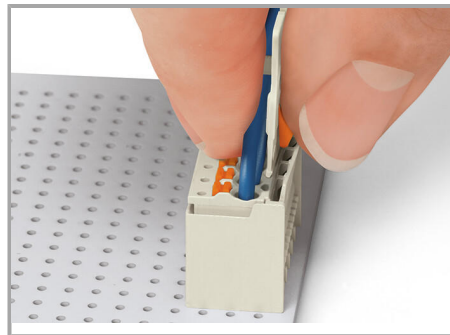
[Descărcare](#)

## Installation Notes

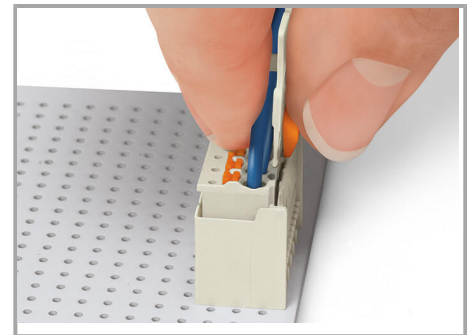
### Locking



Male header mated to a female connector with gripping plate and sliding connector release.

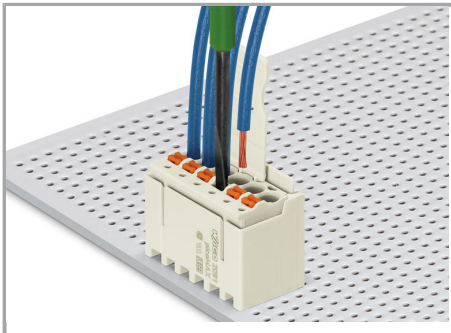


Push down sliding connector release (gripping plate) to open the locking latch.

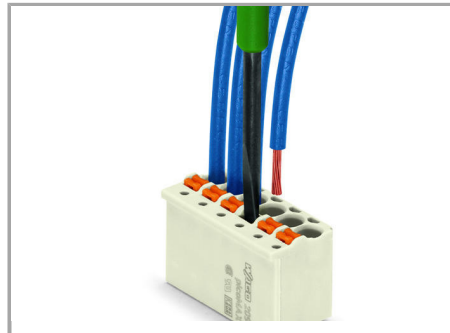


Pull out female connector with gripping plate from male header.

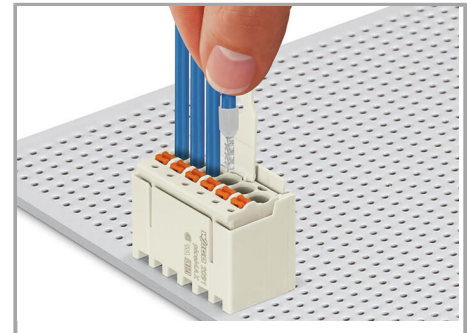
### Conductor termination



Inserting fine-stranded conductor into mated female connector via push-button.



Inserting fine-stranded conductor into unmated female connector via push-button.



Inserting solid and ferruled conductors via push-in termination

### Marking

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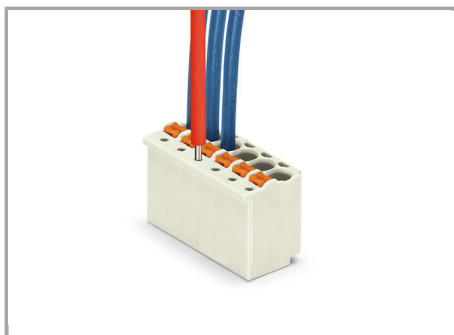
Pole marking via factory direct printing.

#### Coding



Coding a female connector (via coding key carrier and two keys for female connector, see symbol).

#### Testing



Testing with 1 mm Ø test pin, tip contact.

#### Familie de produse

**picoMAX**

Afișare globală produse din familie.

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