

## Data Sheet | Item Number: 2092-1122

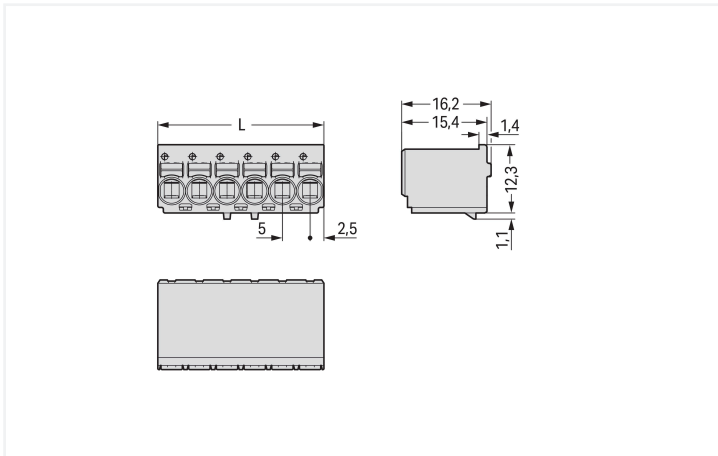
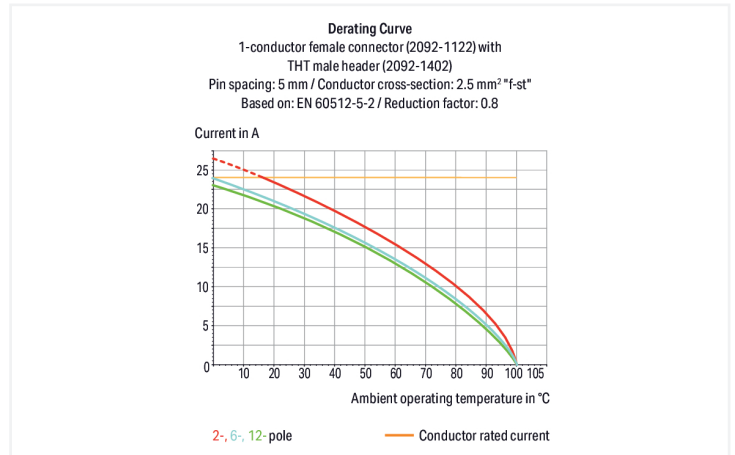
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 2-pole; 2,50 mm<sup>2</sup>; light gray

<https://www.wago.com/2092-1122>



Color: ■ light gray

Similar to illustration



Dimensions in mm

L = pole no. x pin spacing

Female connector, 2092 Series, Push-in CAGE CLAMP®

This female connector (item number 2092-1122) is designed for hassle-free electrical installations. Strip lengths must be between 9 and 10 mm when connecting conductors to this female connector. This product incorporates one conductor terminal and utilizes Push-in CAGE CLAMP®. Push-in CAGE CLAMP® connection technology is ideal for connecting all conductor types. Both solid and fine-stranded conductors with ferrules can be inserted without needing to use any tools—all thanks to its pluggable design. The dimensions are (10 x 16.2 x 13.4) mm (width x height x depth). Depending on the type of conductor, this female connector is designed for conductor cross sections ranging from 0.2 mm<sup>2</sup> to 2.5 mm<sup>2</sup>.

Tin is used for coating the contact surfaces.

## Notes

### Safety Information

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. 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.

### Safety information 2

The use of ferrules is recommended for applications with higher requirements.

To prevent excessive force on the clamping point, effective cable strain relief must be used.

### Variants:

Direct marking  
Other versions (or variants) can be requested from WAGO Sales or configured at <https://configurator.wago.com/>.

## Electrical data

Ratings per	IEC/EN 60664-1			Approvals per	UL 1059		
	III	III	II		B	C	D
Overvoltage category	III	III	II	Use group	B	C	D
Pollution degree	3	2	2	Rated voltage	300 V	-	300 V
Nominal voltage	250 V	320 V	630 V	Rated current	15 A	-	10 A
Rated impulse withstand voltage	4 kV	4 kV	4 kV				
Rated current	16 A	16 A	16 A				

## Connection Data

Clamping units	2	<b>Connection 1</b>	
Total number of potentials	2	Connection technology	Push-in CAGE CLAMP®
Number of connection types	1	Actuation type	Push-button
Number of levels	1	Actuation direction 1	Operation parallel to conductor entry
		Solid conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
		Fine-stranded conductor	0.2 ... 2.5 mm <sup>2</sup> / 24 ... 12 AWG
		Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm <sup>2</sup>
		Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm <sup>2</sup>
		Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
		Pole number	2

## Physical data

Pin spacing	5 mm / 0.197 inches
Width	10 mm / 0.394 inches
Height	16.2 mm / 0.638 inches
Depth	13.4 mm / 0.528 inches

## Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for conductor
Mismating protection	No
Plugging without loss of pin spacing	Yes

### Material data

Note (material data)	<a href="#">Information on material specifications can be found here</a>
Color	light gray
Material group	I
Insulation material (main housing)	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
Fire load	0.021 MJ
Weight	1.8 g

### Environmental requirements

Limit temperature range	-60 ... +100 °C
Processing temperature	-35 ... +60 °C

### Commercial data

Product Group	26 (picoMAX Connectors)
PU (SPU)	200 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821163473
Customs tariff number	85366990990

### Product Classification

UNSPSC	39121409
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 9.0	EC001284
ETIM 10.0	EC001284
ECCN	NO US CLASSIFICATION

### Environmental Product Compliance

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

**General approvals**



Approval	Standard	Certificate Name
CB DEKRA Certification B.V.	IEC 61984	NL-89885
CSA CSA Group	C22.2	2362521
CSA DEKRA Certification B.V.	C22.2 No. 158	2362521
cURus Underwriters Laboratories Inc.	UL 1059	E45172
KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-129874
UL Underwriters Laboratories Inc.	UL 1977	E45171

**Downloads**

**Environmental Product Compliance**

**Compliance Search**

Environmental Product Compliance 2092-1122	<a href="#">↓</a>
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**Documentation**

**Additional Information**

Technical Section	03.04.2019	pdf 2027.26 KB	<a href="#">↓</a>
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**CAD/CAE-Data**

**CAD data**

2D/3D Models 2092-1122	<a href="#">↓</a>
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**CAE data**

ZUKEN Portal 2092-1122	<a href="#">↓</a>
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**1 Compatible Products**

**1.1 System counterpart**

**1.1.1 Male connector/plug**



**Item No.: 2092-1522/020-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 2-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 2,50 mm<sup>2</sup>; light gray



**Item No.: 2092-1502/002-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 2-pole; Gripping plate; 2,50 mm<sup>2</sup>; light gray



**Item No.: 2092-1522/002-000**  
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm<sup>2</sup>; Pin spacing 5 mm; 2-pole; Integrated release lever; 2,50 mm<sup>2</sup>; light gray



**Item No.: 2092-1632/024-000**  
Panel feedthrough male connector; clamping collar; 2.5 mm<sup>2</sup>; 2-pole; Pin spacing 5 mm; light gray



**Item No.: 2092-1422/205-000**  
THR male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1422/200-000/997-405**  
THR male header; 1.4 mm Ø solder pin; angled; in tape-and-reel packaging; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1422/200-000**  
THR male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1402/205-000**  
THR male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1402/200-000**  
THR male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1722/200-000**  
THR pin strip; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 2-pole; black



**Item No.: 2092-1702/200-000**  
THR pin strip; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 2-pole; black



**Item No.: 2092-1422/005-000**  
THT male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1422**  
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1402/005-000**  
THT male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1402**  
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 2-pole; light gray



**Item No.: 2092-1722**  
THT pin strip; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 2-pole; black



**Item No.: 2092-1702**  
THT pin strip; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 2-pole; black

**1.2 Optional Accessories**

**1.2.1 Ferrule**

**1.2.1.1 Ferrule**



**Item No.: 216-301**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; insulated; electro-tin plated; yellow



**Item No.: 216-131**  
Ferrule; Sleeve for 0.25 mm<sup>2</sup> / AWG 24; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-302**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; insulated; electro-tin plated; light turquoise



**Item No.: 216-132**  
Ferrule; Sleeve for 0.34 mm<sup>2</sup> / 22 AWG; uninsulated; electro-tin plated



**Item No.: 216-101**  
Ferrule; Sleeve for 0.5 mm<sup>2</sup> / AWG 22; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-202**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; insulated; electro-tin plated; gray



**Item No.: 216-102**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-122**  
Ferrule; Sleeve for 0.75 mm<sup>2</sup> / 18 AWG; uninsulated; electro-tin plated; silver-colored



**Item No.: 216-203**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; insulated; electro-tin plated; red



**Item No.: 216-103**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated



**Item No.: 216-143**  
Ferrule; Sleeve for 1 mm<sup>2</sup> / AWG 18; uninsulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92



**Item No.: 216-204**  
Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; insulated; electro-tin plated; black

### 1.2.1.1 Ferrule



**Item No.: 216-144**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated; electrolytic copper; gastight crimped; acc. to DIN 46228, Part 1/08.92; silver-colored

**Item No.: 216-104**

Ferrule; Sleeve for 1.5 mm<sup>2</sup> / AWG 16; un-insulated; electro-tin plated; silver-colored

**Item No.: 216-106**

Ferrule; Sleeve for 2.5 mm<sup>2</sup> / AWG 14; un-insulated; electro-tin plated; silver-colored

### 1.2.2 Strain relief

#### 1.2.2.1 Gripping plate



**Item No.: 2092-1600/002-000**

Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 5 mm; 2-pole; light gray

**Item No.: 2092-1600**

Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; 2-pole; light gray

### 1.2.3 Test and measurement

#### 1.2.3.1 Testing accessories



**Item No.: 735-500**

WAGO Test pin; 1 mm Ø; 30 V AC / 60 V DC; CAT0; 1 A; 6 mm un-insulated; Test lead for soldering up to 0,5mm<sup>2</sup>

### 1.2.4 Tool

#### 1.2.4.1 Operating tool



**Item No.: 210-719**

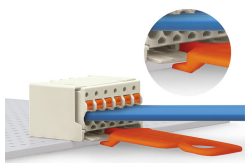
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft

**Item No.: 2092-1630**

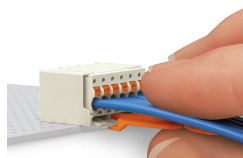
Unlocking tool; orange

### Installation Notes

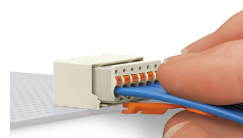
#### Locking system



Disconnecting a female connector via unlocking tool. Plug unlocking tool into the male header's locking latch.

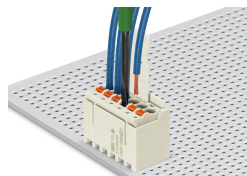


Insert unlocking tool until it hits the back-stop. Wedge opens locking latches.



Pull on both unlocking tool and conductors to remove female connector from male header.

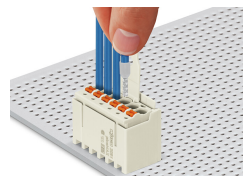
## Conductor termination



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



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



Inserting solid and ferruled conductors via push-in termination.

## Marking



Pole marking via factory direct marking.

## Coding



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

## Testing



Testing via 1 mm Ø test pin – touch contact.