

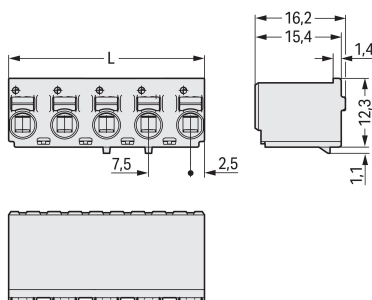
Data Sheet | Item Number: 2092-3125

1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; 2,50 mm²; light gray

<https://www.wago.com/2092-3125>

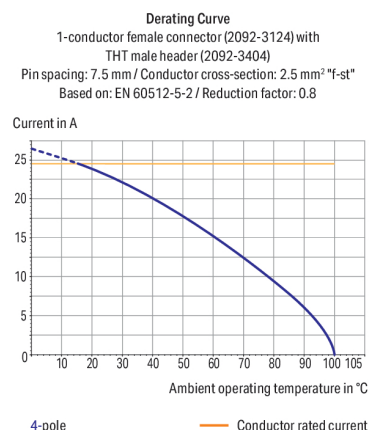


Color: ■ light gray



Dimensions in mm

$L = (\text{pole no.} - 1) \times \text{pin spacing} + 5 \text{ mm}$



Female connector, 2092 Series, with 7.5 mm pin spacing

Our female connector (item number 2092-3125) ensures effortless electrical installations. Conductors can only be connected to this female connector if their strip length is between 9 and 10 mm. This product features one conductor terminal and utilizes Push-in CAGE CLAMP®. Our Push-in CAGE CLAMP® is a universal, maintenance-free connection solution for all conductor types, boasting a key feature: It allows direct insertion of both solid and fine-stranded conductors with ferrules without needing tools. No preparation is required; for example, crimping the conductor's ferrule is not necessary. Dimensions: (35 x 16.2 x 13.4) mm (width x height x depth). This female connector is suitable for conductor cross sections ranging from 0.2 mm² to 2.5 mm².

The contact surface is coated with tin.



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		
Overvoltage category		III	III	II
Pollution degree		3	2	2
Nominal voltage		400 V	630 V	1000 V
Rated impulse withstand voltage		6 kV	6 kV	6 kV
Rated current		16 A	16 A	16 A

Approvals per		UL 1059		
Use group		B	C	D
Rated voltage		300 V	-	300 V
Rated current		15 A	-	10 A

Connection Data	
Clamping units	5
Total number of potentials	5
Number of connection types	1
Number of levels	1

Connection 1	
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Actuation direction 1	Operation parallel to conductor entry
Solid conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor	0.2 ... 2.5 mm² / 24 ... 12 AWG
Fine-stranded conductor; with insulated ferrule	0.25 ... 1.5 mm²
Fine-stranded conductor; with uninsulated ferrule	0.25 ... 2.5 mm²
Strip length	9 ... 10 mm / 0.35 ... 0.39 inches
Pole number	5

Physical data	
Pin spacing	7.5 mm / 0.295 inches
Width	35 mm / 1.378 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)	Information on material specifications can be found here
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 _{Cu})
Contact Plating	Tin
Fire load	0.012 MJ
Weight	5.9 g

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

Commercial data	
Product Group	26 (picoMAX Connectors)
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821164425
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



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
UL Underwriters Laboratories Inc.	UL 1977	E45171

Downloads

Environmental Product Compliance

Compliance Search
Environmental Product Compliance 2092-3125

Documentation

Additional Information
Technical Section
03.04.2019
pdf
2027.26 KB

CAD/CAE-Data

CAD data
2D/3D Models
2092-3125

CAE data
ZUKEN Portal
2092-3125

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 2092-3525/020-000
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; DIN-35 rail/panel mounting; Snap-in mounting feet; Integrated release lever; 2,50 mm²; light gray



Item No.: 2092-3505/002-000
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; Gripping plate; 2,50 mm²; light gray



Item No.: 2092-3525/002-000
1-conductor male connector; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 5-pole; Integrated release lever; 2,50 mm²; light gray



Item No.: 2092-3425/205-000
THR male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 7.5 mm; 5-pole; light gray



1.1.1 Male connector/plug

 Item No.: 2092-3425/200-000 THR male header; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 5-pole; light gray	 Item No.: 2092-3405/205-000 THR male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 7.5 mm; 5-pole; light gray	 Item No.: 2092-3405/200-000 THR male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 5-pole; light gray	 Item No.: 2092-3725/200-000 THR pin strip; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 5-pole; black
 Item No.: 2092-3705/200-000 THR pin strip; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 5-pole; black	 Item No.: 2092-3425/005-000 THT male header; 1.4 mm Ø solder pin; angled; clamping collar; Pin spacing 7.5 mm; 5-pole; light gray	 Item No.: 2092-3425 THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 5-pole; light gray	 Item No.: 2092-3405/005-000 THT male header; 1.4 mm Ø solder pin; straight; clamping collar; Pin spacing 7.5 mm; 5-pole; light gray
 Item No.: 2092-3405 THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 5-pole; light gray	 Item No.: 2092-3725 THT pin strip; 1.4 mm Ø solder pin; angled; Pin spacing 7.5 mm; 5-pole; black	 Item No.: 2092-3705 THT pin strip; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 5-pole; black	

1.2 Optional Accessories

1.2.1 Ferrule

1.2.1.1 Ferrule

 Item No.: 216-301 Ferrule; Sleeve for 0.25 mm² / AWG 24; insulated; electro-tin plated; yellow	 Item No.: 216-131 Ferrule; Sleeve for 0.25 mm² / AWG 24; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-302 Ferrule; Sleeve for 0.34 mm² / 22 AWG; insulated; electro-tin plated; light turquoise	 Item No.: 216-132 Ferrule; Sleeve for 0.34 mm² / AWG 24; uninsulated; electro-tin plated
 Item No.: 216-101 Ferrule; Sleeve for 0.5 mm² / AWG 22; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-202 Ferrule; Sleeve for 0.75 mm² / 18 AWG; insulated; electro-tin plated; gray	 Item No.: 216-102 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-122 Ferrule; Sleeve for 0.75 mm² / AWG 20; uninsulated; electro-tin plated; silver-colored
 Item No.: 216-203 Ferrule; Sleeve for 1 mm² / AWG 18; insulated; electro-tin plated; red	 Item No.: 216-103 Ferrule; Sleeve for 1 mm² / AWG 18; uninsulated; electro-tin plated	 Item No.: 216-143 Ferrule; Sleeve for 1 mm² / 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 mm² / AWG 16; insulated; electro-tin plated; black
 Item No.: 216-144 Ferrule; Sleeve for 1.5 mm² / AWG 16; uninsulated; 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 mm² / AWG 16; uninsulated; electro-tin plated; silver-colored	 Item No.: 216-106 Ferrule; Sleeve for 2.5 mm² / AWG 14; uninsulated; electro-tin plated; silver-colored	

1.2.2 Strain relief

1.2.2.1 Gripping plate



Item No.: 2092-3602/002-000
Gripping plate with sliding connector re-
lease; for female and male connectors; 2
parts; Pin spacing 7.5 mm; light gray

Item No.: 2092-3602
Gripping plate; for female and male
connectors; 1 part; Pin spacing 7.5 mm;
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 uninsulated; Test lead
for soldering up to 0,5mm²

1.2.4 Tool

1.2.4.1 Operating tool

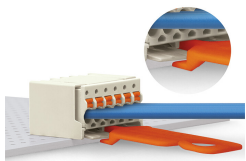


Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a
partially insulated shaft

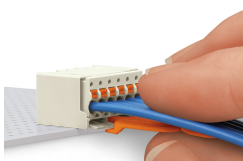
Item No.: 2092-1630
Unlocking tool; orange

Installation Notes

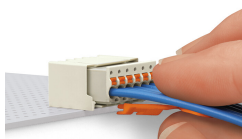
Locking system



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

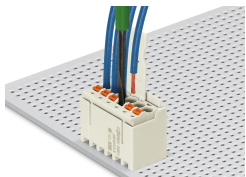


Insert unlocking tool until it hits the back-
stop. Wedge opens locking latches.



Pull on both unlocking tool and conduc-
tors to remove female connector from
male header.

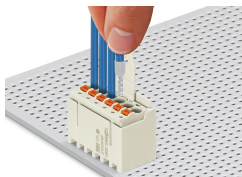
Conductor termination



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.