Data Sheet | Item Number: 2092-1127

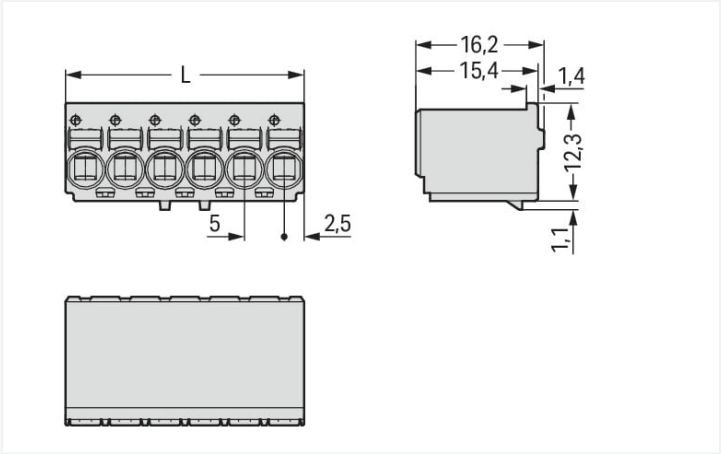
1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 5 mm; 7-pole; 2,50 mm²; light gray

https://www.wago.com/2092-1127



Color: light gray

Similar to illustration



Dimensions in mm
L = pole no. x pin spacing



- 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

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. The circuit design should ensure header pins, which can be touched, are not live when unmated.
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	250 V	320 V	630 V
Rated surge voltage	4 kV	4 kV	4 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

Connection points	7
Total number of potentials	7
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	7

Physical data

Pin spacing	5 mm / 0.197 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	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	0.018 MJ
Weight	6.5 g

Continued on next page

Environmental requirements

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

Commercial data

Product Group	26 (picoMAX Connectors)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
PU (SPU)	100 pcs
Packaging type	Box
Country of origin	DE
GTIN	4050821821625
Customs tariff number	85366990990

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-49737/A1
CSA DEKRA Certification B.V.	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	71-102261 REV.2
UL Underwriters Laboratories Inc.	UL 1977	E45171

Downloads

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2092-1127

Documentation

Additional Information

Technical Section	03.04.2019	pdf 2010.85 KB

CAD/CAE-Data

CAD data

2D/3D Models
2092-1127

CAE data

ZUKEN Portal
2092-1127

1 Compatible Products

1.1 System counterpart

1.1.1 Male connector/plug



Item No.: 2092-1727/200-000
THR male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 7-pole; black

Item No.: 2092-1707/200-000
THR male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 7-pole; black



Item No.: 2092-1727
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 7-pole; black



Item No.: 2092-1427
THT male header; 1.4 mm Ø solder pin; angled; Pin spacing 5 mm; 7-pole; light gray



Item No.: 2092-1707
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 7-pole; black



Item No.: 2092-1407
THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 5 mm; 7-pole; light gray

1.2 Optional Accessories

1.2.1 Strain relief

1.2.1.1 Strain relief plate



Item No.: 2092-1602/002-000
Gripping plate with sliding connector release; for female and male connectors; 2 parts; Pin spacing 5 mm; light gray



Item No.: 2092-1602
Gripping plate; for female and male connectors; 1 part; Pin spacing 5 mm; light gray

1.2.2 Test and measurement

1.2.2.1 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

Continued on next page

1.2.3 Tool

1.2.3.1 Operating tool



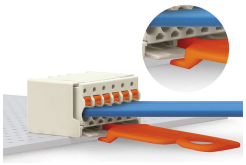
Item No.: 210-719
Operating tool; Blade: 2.5 x 0.4 mm; with a partially insulated shaft



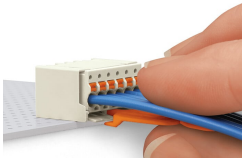
Item No.: 2092-1630
Unlocking tool; orange

Installation Notes

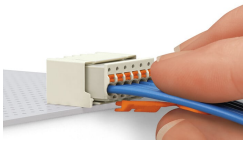
Locking system



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

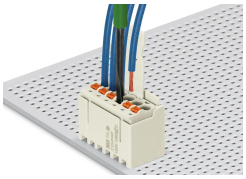


Insert unlocking tool until it hits the backstop. Wedge opens locking latches.



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

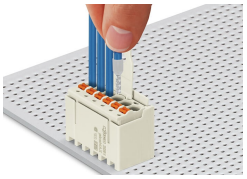
Conductor termination



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



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



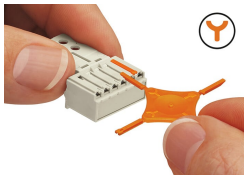
Inserting solid and ferruled conductors via push-in termination.

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.