

## Data sheet | Item number: 2091-1103

1-conductor female plug; Gripping plate; 1.5 mm<sup>2</sup>; Pin spacing 3.5 mm; 3-pole

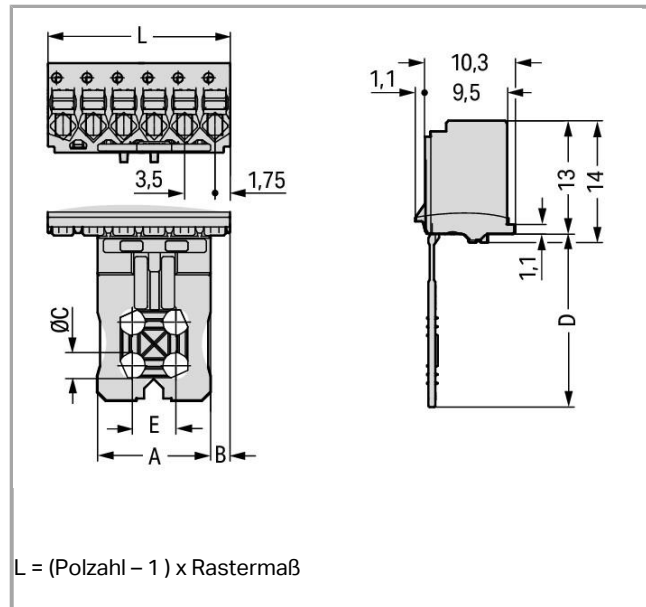
[www.wago.com/2091-1103](http://www.wago.com/2091-1103)



RoHS Compliant

BOMcheck.net

Color:



### Item description

- Universal connection for all conductor types
- Simple, push-in termination of solid and ferruled conductors
- Easy-to-use design does not require specialty tools
- Ability to wire while mated or unmated
- Test port parallel to conductor entry – touch contact



- Integrated locking latches prevent accidental disconnection

## Data

### Electrical data

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

Rated voltage (III / 3)	160 V
Rated impulse voltage (III / 3)	2.5 kV
Rated voltage (III / 2)	160 V
Rated impulse voltage (III / 2)	2.5 kV
Rated voltage (II / 2)	320 V
Rated impulse voltage (II / 2)	2.5 kV
Rated current	10 A

#### 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

### Connection data

Connection technology	Push-in CAGE CLAMP®
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 ferrule with plastic collar	0.25 ... 0.75 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 1.5 mm <sup>2</sup>
Strip length	8 ... 9 mm / 0.31 ... 0.35 inch
No. of poles	3
Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1
Leiterquerschnitte eindrätig	0.2 mm <sup>2</sup>

### Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	10.5 mm / 0.413 inch
Height	30 mm / 1.181 inch
Depth	11.4 mm / 0.449 inch

## Mechanical data

Design	With gripping plate
--------	---------------------

## Plug connection

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

## Material Data

Color	light gray
Material group	I
Insulating 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	0.037 MJ
Weight	1.508 g

## Environmental Requirements



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

## Commercial data




Product Group	26 (picoMAX)
Country of origin	DE
GTIN	4050821160687

## Approvals / Certificates

### Country specific Approvals




Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49736
	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71- 102260

## UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UR Underwriters Laboratories Inc.	UL 1059	E45172
	UR Underwriters Laboratories Inc.	UL 1977	20170428-E45171
	UR Underwriters Laboratories Inc.	UL 1059	E45172

## Compatible products

## Coding

	Item no.: 2091-1610 Coding key carrier; suitable for 3.5 mm pin spacing	<a href="http://www.wago.com/2091-1610">www.wago.com/2091-1610</a>
tools		
	Item no.: 210-719 Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm	<a href="http://www.wago.com/210-719">www.wago.com/210-719</a>
check		
	Item no.: 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>

## Downloads

## Documentation

## Additional Information

Technical explanations	03-Apr-2019	pdf 3.6 MB	Download
------------------------	-------------	---------------	----------

## CAD/CAE - Smart Data

## CAD data

3D Download 2091-1103	URL	Download
-----------------------	-----	----------



## Product family

picoMAX

[Show all products from the family](#)

Subject to changes.

---

WAGO Kontakttechnik GmbH & Co. KG

Hansastr. 27

32423 Minden

Phone: +49571 887-0 | Fax: +49571 887-169

Email: [info.de@wago.com](mailto:info.de@wago.com) | Web: [www.wago.com](http://www.wago.com)

Do you have any questions about our products?

We are always happy to take your call at {0}.