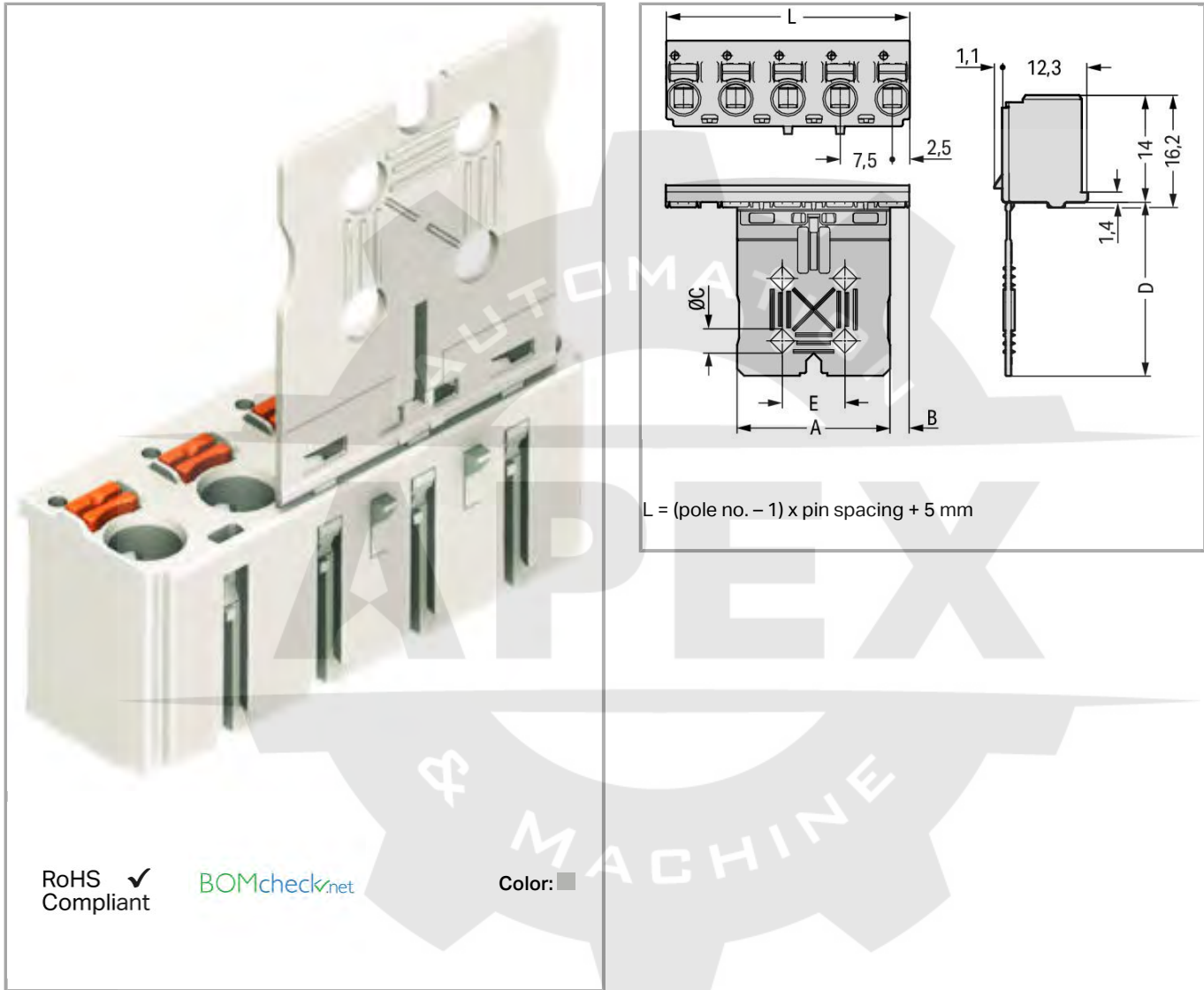


## Data sheet | Item number: 2092-3105

1-conductor female plug; Gripping plate; 2.5 mm<sup>2</sup>; Pin spacing 7.5 mm; 5-pole



2092-3105



### 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

**Safety information 1:**

The picoMAX<sup>®</sup> pluggable connection system is designed without breaking capacity for compliance with DIN EN 61984. When used as intended, MCS Connectors shall 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.

**Data****Electrical data****Ratings per IEC/EN 60664-1**

Rated voltage (III / 3)	400 V
Rated impulse voltage (III / 3)	6 kV
Rated voltage (III / 2)	630 V
Rated impulse voltage (III / 2)	6 kV
Rated voltage (II / 2)	1000 V
Rated impulse voltage (II / 2)	6 kV
Rated current	16 A

**Approvals per UL 1059**

Rated voltage UL (Use Group B)	300 V
Rated current UL (Use Group B)	15 A
Rated voltage UL (Use Group D)	300 V
Rated current UL (Use Group D)	10 A

**Connection data**

Connection technology	Push-in CAGE CLAMP <sup>®</sup>
Actuation type	Push-button
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 ferrule with plastic collar	0.25 ... 1.5 mm <sup>2</sup>
Fine-stranded conductor with ferrule without plastic collar	0.25 ... 2.5 mm <sup>2</sup>
Strip length	9 ... 10 mm / 0.35 ... 0.39 inch
No. of poles	5
Total number of connection points	5
Total number of potentials	5
Number of connection types	1
Number of levels	1

**Geometrical Data**

Pin spacing	7.5 mm / 0.295 inch
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Width	35 mm / 1.378 inch
Height	39 mm / 1.535 inch
Depth	13.4 mm / 0.528 inch

## 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	0.195 MJ
Weight	6.3 g

## Environmental Requirements



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

Product Group	26 (picoMAX)
Country of origin	DE
GTIN	4050821164388
Customs Tariff No.	85366990990

## Approvals / Certificates

### UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	<b>cURus</b> Underwriters Laboratories Inc.	UL 1059	E45172
	<b>UR</b> Underwriters Laboratories Inc.	UL 1977	20170428- E45171

## Compatible products

## tools



Item no.: 210-719

Operating tool with partially insulated shaft; Type 1, blade (2.5 x 0.4) mm

210-719

## check



Item no.: 735-500

Test pin; 1 mm Ø; with solder connection for test wire

735-500

## Downloads

## Documentation

## Additional Information

pdf  
3.6 MB

Download

## CAD/CAE - Smart Data

## CAD data

3D Download 2092-3105

URL

Download

## Product family

picoMAX

[Learn more about the product family.](#)[Show all products from the family](#)

Subject to changes.