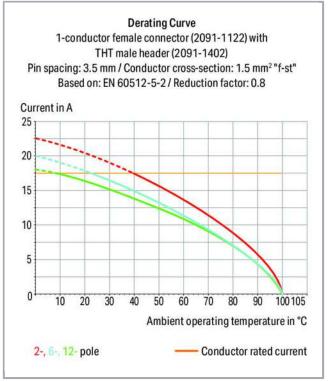
1-conductor female plug; Gripping plate; 1.5 mm²; Pin spacing 3.5 mm; 2-

pole; 1,50 mm²; light gray

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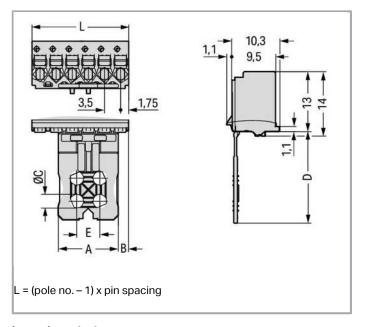


 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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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** 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

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

 $\label{thm:continuity} \textbf{Subject to changes. Please also observe the further product documentation!}$

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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
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

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
Rated current UL (Use Group D)	10 A
Approvals per	UL 1059

Connection data

Push-in CAGE CLAMP®		
Push-button		
0.2 1.5 mm² / 24 14 AWG		
0.2 1.5 mm² / 24 14 AWG		
0.25 0.75 mm²		
0.25 1.5 mm²		
8 9 mm / 0.31 0.35 inch		
2		
2		
2		
1		
1		

Geometrical Data

Pin spacing	3.5 mm / 0.138 inch
Width	7 mm / 0.276 inch
Height	30 mm / 1.181 inch
Depth	11.4 mm / 0.449 inch

Mechanical data

Design	With gripping plate
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 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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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	VO	
Clamping spring material	Chrome nickel spring steel (CrNi)	
Contact material	Electrolytic copper (E _{Cu})	
Contact plating	tin-plated	
Fire load	0.023 MJ	
Weight	0.9 g	

Environmental Requirements

Limit temperature range	-60 +100 °C	
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Commercial data

Product Group	26 (picoMAX)
Packaging type	BOX
Country of origin	DE
GTIN	4050821160670
Customs Tariff No.	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
(1)	CSA DEKRA Certification B.V.	C22.2	2362521
	KEMA/KEUR	EN 61984	71-
	DEKRA Certification B.V.		102260

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REV.1





UL-A	p	or	o١	/al	s
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Logo Approval Additional Approval Text name

UL UL 1977 20190909Underwriters Laboratories Inc. E45171





Item no.2091-1422 THT male header; 1.0 mm Ø solder pin; angled; Pin spacing 3.5 mm; 2-pole; light gray

www.wago.com/2091-1422



Item no.2091-1522/002-000

1-conductor male connector; Integrated release lever; 1.5 mm²; Pin spacing 3.5 mm; 2-pole; 1,50 mm²; light gray

www.wago.com/2091-1522

/002-000



Item no.2091-1402

THT male header; 1.0 mm Ø solder pin; straight; Pin spacing 3.5 mm; 2-pole; light gray

www.wago.com/2091-1402

Compatible products

check

Item no.: 735-500
Test pin; 1 mm Ø; with solder connection for test wire

Coding

Item no.: 2091-1610
Coding key carrier; suitable for 3.5 mm pin spacing; orange

tools

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

www.wago.com/210-719

Subject to changes. Please also observe the further product documentation!

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Downloads Documentation

Additional Information

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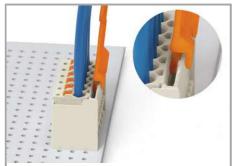
CAD/CAE-Data

CAD data

2D/3D Models 2091-1102 URL Download

Installation Notes

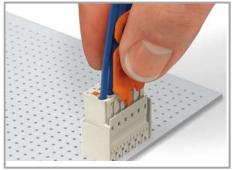
Locking



Disconnecting female connector via unlocking tool. Plug unlocking tool into the male locking latch.



Insert unlocking tool until it hits backstop. Wedge opens locking latch.



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

Inserting a conductor

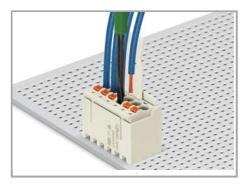
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Inserting fine-stranded conductor into mated female connector via push-button.



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



Inserting solid and ferruled conductors via push-in termination

Marking



Pole marking via factory direct printing.

Coding



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

Testing

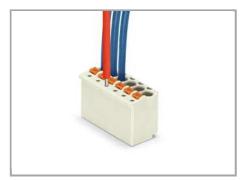
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Testing with 1 mm Ø test pin, tip contact.

Product family

picoMAXShow all products from the family

 $\label{thm:condition} \textbf{Subject to changes. Please also observe the further product documentation!}$

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