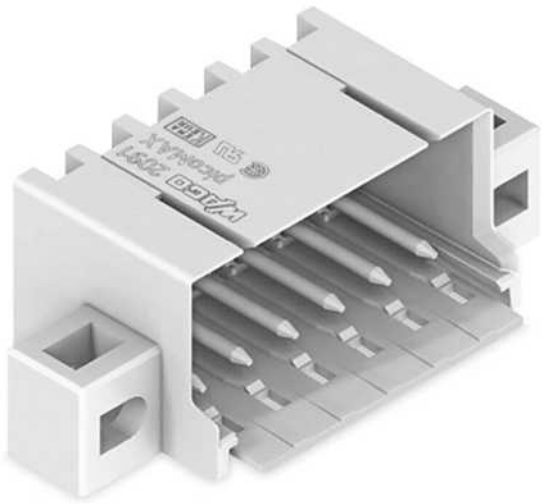
Data sheet | Item number: 2091-1426/205-000

THR male header; 1.0 mm Ø solder pin; angled; clamping collar; Pin spacing 3.5 mm; 6-pole; light gray

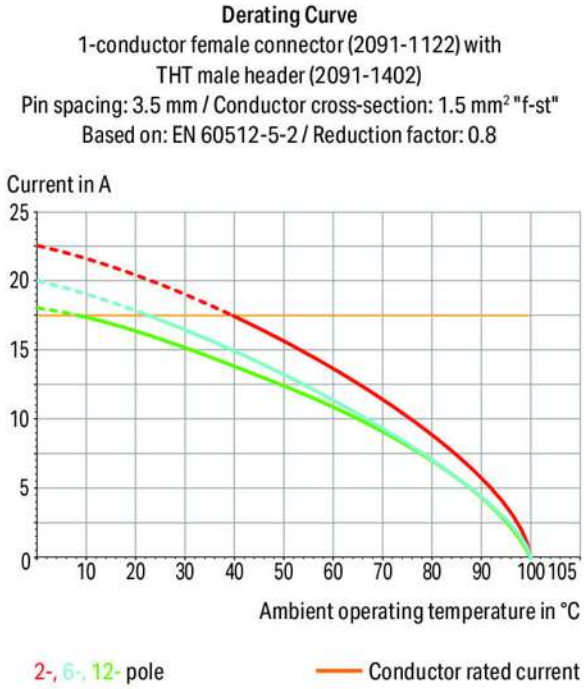
www.wago.com/2091-1426_205-000



RoHS ✓ Compliant

BOMcheck.net

Color:



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

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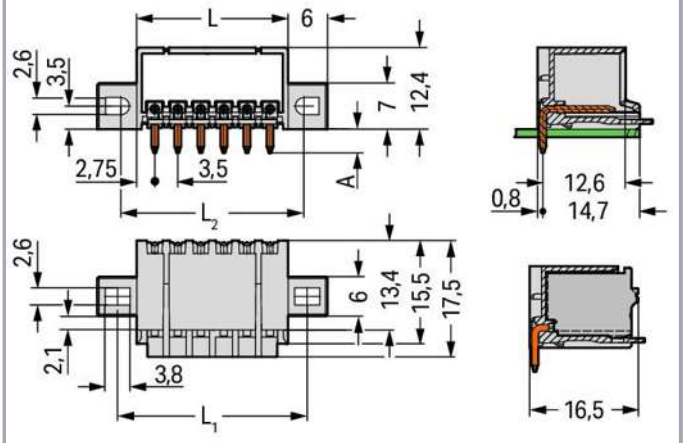

L = (pole x pin spacing + 2.0 mm

L1 = (pole no. x pin spacing) + 7.8 mm

L2 = (pole no. x pin spacing) + 6.8 mm

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

Item description

- Assembly of female connectors without loss of poles, allowing different functions to be divided within one male header
- Coding pins inserted into the header interface prevent mismating, allowing subsequent coding in panel feedthrough applications
- The female connector is fully shrouded by the male header's housing, providing vibration resistance up to 20 g

Safety information 1:

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.

Data

Electrical data

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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
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

No. of poles	6
Total number of potentials	6
Number of connection types	1
Number of levels	1

Geometrical Data

Pin spacing	3,5 mm / 0.138 inch
Width	35 mm / 1.378 inch
Height	14,8 mm / 0.583 inch
Height from the surface	12,4 mm / 0.488 inch
Depth	17,5 mm / 0.689 inch
Solder pin length	2.4 mm
Solder pin diameter	1 mm
Plated through-hole diameter (THR)	1,2 $^{(+0,1)}$ mm

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Mechanical data

Mounting type	Mounting flange
Type of mounting	Feed-through mounting Panel mounting

Plug connection

Contact type (pluggable connector)	Male connector/plug
Connector connection type	for PCB
Mismating protection	No
Mating direction to the PCB	0 °
Locking of plug-in connection	Locking latch

PCB contact

PCB contact	THR

Material Data

Color	light gray
Material group	I
Insulating material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0
Contact material	Electrolytic copper (E_{Cu})
Contact plating	tin-plated
Fire load	0.06 MJ
Weight	2.6 g

Environmental Requirements

Limit temperature range	-60 … +100 °C

Commercial data

Packaging type	BOX
Country of origin	DE
GTIN	4050821412045
Customs Tariff No.	85366990990

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Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CSA DEKRA Certification B.V.	C22.2	2362521

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	UL Underwriters Laboratories Inc.	UL 1977	20190909-E45171

Counterpart

Item no.2091-1126
1-conductor female plug; 1.5 mm²; Pin spacing 3.5 mm; 6-pole; 1,50 mm²; light gray

www.wago.com/2091-1126

Compatible products

Coding

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

www.wago.com/2091-1610

Downloads

Documentation

Additional Information

Technical explanations	Apr 3, 2019	pdf 3.6 MB	Download

Installation Notes

Coding

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

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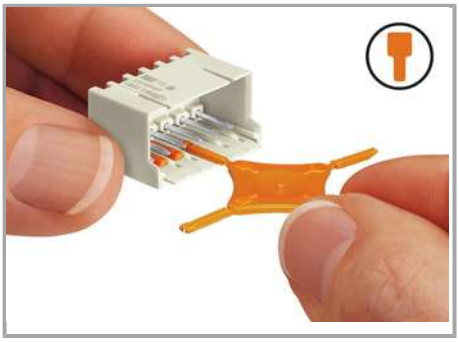

Coding a male header (via coding key carrier and two keys for male header, see symbol).

Product family

picoMAX
Show all products from the family

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