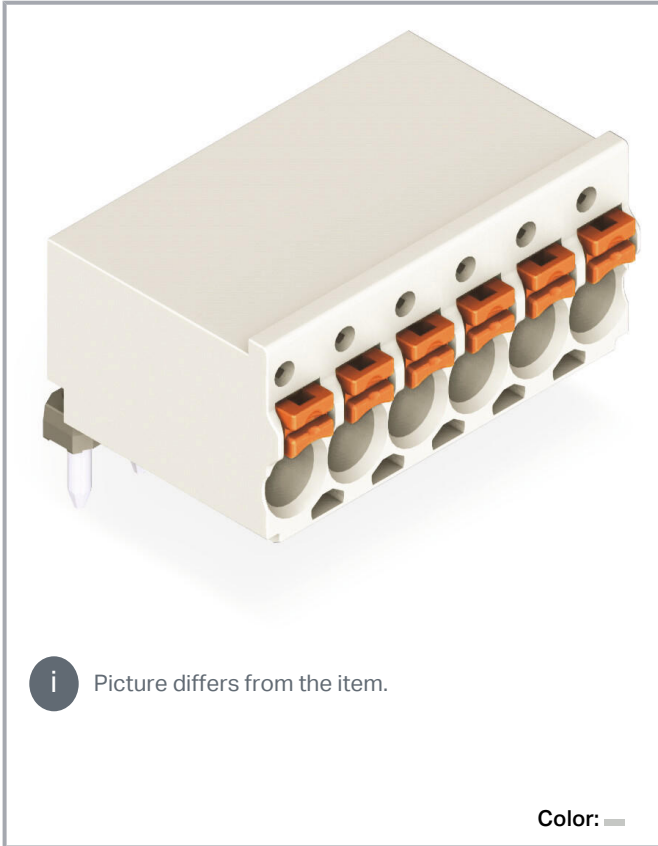# Data sheet | Item number: 2091-1373

1-conductor THT female connector angled; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 1.0 mm Ø solder pin; 1,50 mm²; light gray

www.wago.com/2091-1373

i Picture differs from the item.

Color: ▬

Derating Curve
1-conductor female connector eCOM (2091-1172)
Pin spacing: 3.5 mm / Conductor cross-section: 1.5 mm² "f-st"
Based on: EN 60512-5-2 / Reduction factor: 0.8

Current in A

Ambient operating temperature in °C

2-, 6-, 12- pole   ── Conductor rated current

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

WAGO Kontakttechnik GmbH & Co. KG
Hansastr. 27
32423 Minden
Phone: +49571 887-0 | Fax: +49571 887-169
Email: info.de@wago.com | Web: www.wago.com

Do you have any questions about our products?
We are always happy to take your call at +49 (571) 887-44222.

Dimensions in mm

L = pole no. x pin spacing

A = 3.6 mm THT solder pin

A = 2.4 mm THR solder pin

Item description

- Universal connection for 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
- Integrated test ports for testing parallel to conductor entry

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

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■ Custom-installed solder pins

Data
Notes

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.

Electrical data

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
Ratings per	IEC/EN 60664-1
Nominal voltage (III/3)	160 V
Rated surge voltage (III/3)	2.5 kV
Rated voltage (III/2)	160 V
Rated surge voltage (III/2)	2.5 kV
Nominal voltage (II/2)	320 V
Rated surge voltage (II/2)	2.5 kV
Rated current	10 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Connection data

Total number of connection points	3
Total number of potentials	3
Number of connection types	1
Number of levels	1
Connection technology	Push-in CAGE CLAMP®
Actuation type	Push-button
Solid conductor	0.2 … 1.5 mm² / 24 … 14 AWG
Fine-stranded conductor	0.2 … 1.5 mm² / 24 … 14 AWG
Fine-stranded conductor; with insulated ferrule	0.25 … 0.75 mm²

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

Fine-stranded conductor; with uninsulated ferrule	0.25 … 1.5 mm²
Strip length	8 … 9 mm / 0.31 … 0.35 inch
Conductor connection direction to PCB	0°
Pole No.	3

Physical data

Pin spacing	3.5 mm / 0.138 inch
Width	10.5 mm / 0.413 inch
Height	11.4 mm / 0.449 inch
Depth	14 mm / 0.551 inch
Solder pin length	3.6 mm
Solder pin diameter	1 mm
Drilled hole diameter with tolerance	$1.2^{(+0.1)}$ mm

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
Connector (connection type)	for PCB
Mismating protection	No
Mating direction to the PCB	0°
Locking of plug-in connection	Without

PCB contact

PCB Contact	THT

Material data

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-plated
Fire load	0.005 MJ
Weight	1.7 g

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

Environmental requirements

Limit temperature range	-60 … +100 °C

Commercial data

Product Group	26 (picoMAX)
PU (SPU)	200 Stück
Packaging type	box
Country of origin	DE
GTIN	4050821162872
Customs tariff number	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	CB DEKRA Certification B.V.	IEC 61984	NL-49736/A1
	CSA DEKRA Certification B.V.	C22.2	2362521
	CSA DEKRA Certification B.V.	C22.2 No. 158	2362521
	KEMA/KEUR DEKRA Certification B.V.	EN 61984	71-102260 REV.1

UL-Approvals

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

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

Optional accessories

Coding

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 2.0 MB	Download

CAD/CAE-Data

CAD data

2D/3D Models 2091-1373	URL	Download

PCB Design

Symbol and Footprint 2091-1373	URL	Download

CAx data for your PCB design, consisting of "schematic symbols and PCB footprints",
allow easy integration of the WAGO component into your development environment.

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries
- KiCad
- Mentor Graphics BoardStation
- Mentor Graphics Design Architect
- Mentor Graphics Design Expedition 99 and 2000
- OrCAD 9.X PCB and Capture
- PADS PowerPCB 3, 3.5, 4.X, and 5.X
- PADS PowerPCB and PowerLogic 3.0
- PCAD 2000, 2001, 2002, 2004, and 2006
- Pulsonix 8.5 or newer

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

- STL
- 3D STEP
- TARGET 3001!
- View Logic ViewDraw
- Quadcept
- Zuken CadStar 3 and 4
- Zuken CR-5000 and CR-8000

PCB Component Libraries (EDA), PCB CAD Library Ultra Librarian

CAE data

ZUKEN Portal 2091-1373	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2091-1373	URL	Download

1-conductor THT female connector angled; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 3-pole; 1.0 mm Ø solder pin; 1,50 mm²; light gray

Installation Notes

Conductor termination
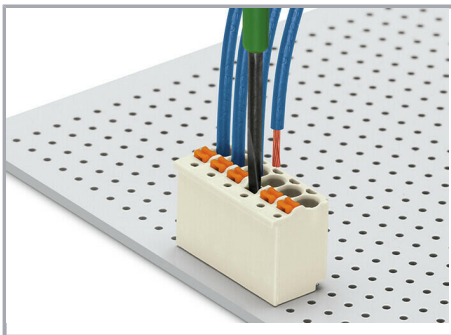
Terminating fine-stranded conductors and removing all conductor types via push-buttons.
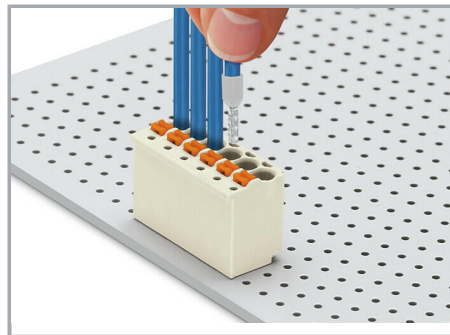
Solid and ferruled conductors are terminated by simply pushing them into unit.

Marking

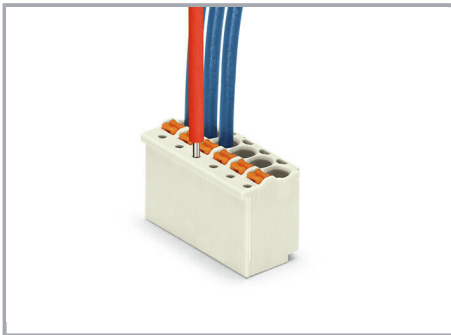Subject to changes. Please also observe the further product documentation!

Pole marking via direct marking
perpendicular to conductor entry.

Pole marking via factory direct marking.

Testing

Testing via 1 mm Ø test pin – touch contact.

Product family

<i>picoMAX</i>® <i>eCOM</i> 3.5

Show all products from the family

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