THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 3-pole; light gray

www.wago.com/2092-3403

Picture differs from the item.

Color:

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

WAGO GmbH & Co. KG
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Phone: +49571 887-0 | Fax: +49571 887-169
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Dimensions in mm

L = (pole no. – 1) x pin spacing + 7.2 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

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

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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.
Variants:	Direct marking Other versions (or variants) can be requested from WAGO Sales or configured at https://configurator.wago.com/.

Electrical data

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal 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
Nominal voltage (II/2)	1000 V
Rated surge voltage (II/2)	6 kV
Rated current	16 A
Legend (ratings)	(III / 2) ≙ Overvoltage category III / Pollution degree 2

Ratings per UL

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

Total number of potentials	3
Number of connection types	1
Number of levels	1

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Connection 1

Pole number	3

Physical data

Pin spacing	7.5 mm / 0.295 inches
Width	22.2 mm / 0.874 inches
Height	23.1 mm / 0.909 inches
Height from the surface	19.5 mm / 0.768 inches
Depth	14.4 mm / 0.567 inches
Solder pin length	2.4 mm
Solder pin diameter	1.4 mm
Drilled hole diameter with tolerance	1.6 $^{(+0.1)}$ mm

Mechanical data

Variable coding	Yes
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for PCB
Mismating protection	No
Plugging without loss of pin spacing	Yes
Mating direction to the PCB	90 °
Locking of plug-in connection	Locking latch

PCB contact

PCB contact	THT

Material data

Note (material data)	Information on material data can be found here
Color	light gray
Material group	I
Insulation material	Polyphthalamide (PPA GF)
Flammability class per UL94	V0

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

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Contact material	Electrolytic copper (E_{Cu})
Contact plating	Tin
Fire load	0.053 MJ
Weight	2.4 g

Environmental requirements

Limit temperature range	-60 … +100 °C

Commercial data

Product Group	26 (picoMAX)
PU (SPU)	100 Stück
Packaging type	box
Country of origin VKOrg Germany	DE
GTIN	4050821164647
Customs tariff number VKOrg Germany	85366990990

Approvals / Certificates

Country specific Approvals

Logo	Approval	Additional Approval Text	Certificate name
	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	71-102261 REV.2

UL-Approvals

Logo	Approval	Additional Approval Text	Certificate name
	cURus Underwriters Laboratories Inc.	UL 1059	E45172

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

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UL Underwriters Laboratories Inc.	UL 1977	E45171

Counterpart

	Item no.2092-3123 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; 2,50 mm²; light gray	www.wago.com/2092-3123
	Item no.2092-3103 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; Gripping plate; 2,50 mm²; light gray	www.wago.com/2092-3103
	Item no.2092-3103/002-1000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; Gripping plate sliding connector release; direct marking; 2,50 mm²; light gray	www.wago.com/2092-3103/002-1000
	Item no.2092-3103/002-000 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 2.5 mm²; Pin spacing 7.5 mm; 3-pole; Gripping plate sliding connector release; 2,50 mm²; light gray	www.wago.com/2092-3103/002-000

Downloads

Documentation

Additional Information

Technical Section Technical explanations	2019 Apr 3	pdf 2.0 MB	Download

CAD/CAE-Data

PCB Design

Symbol and Footprint 2092-3403 CAx data for your PCB design, consisting of "schematic symbols and PCB footprints", allow easy integration of the WAGO component into your development environment.	URL	Download

Supported formats:

- Accel EDA 14 & 15
- Altium 6 to current version
- Cadence Allegro
- DesignSpark
- Eagle Libraries

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- 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
- 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

CAD data

2D/3D Models 2092-3403	URL	Download

CAE data

ZUKEN Portal 2092-3403	URL	Download

Environmental Product Compliance

Compliance Search

Environmental Product Compliance 2092-3403 THT male header; 1.4 mm Ø solder pin; straight; Pin spacing 7.5 mm; 3-pole; light gray	URL	Download

Installation Notes

Coding

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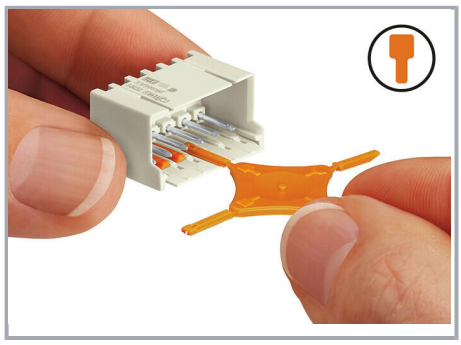

Coding a male header (via coding key carrier and two keys for male header, see symbol).

Product family

picoMAX® 7.5
Show all products from the family

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

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