1-conductor THT female connector straight; push-button; Push-in CAGE CLAMP®; 1.5 mm²; Pin spacing 3.5 mm; 7-pole; 1.0 mm Ø solder pin; 1,50 mm²; light gray



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Picture differs from the item.		
	Color:	
	30.0	

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

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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

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

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Custom-installed solder pins

Data Notes

Safety information

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

Ratings per IEC/EN

Ratings per	IEC/EN 60664-1
Nominal 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
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

Ratings per UL

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

Connection data

Connection points	7
Total number of potentials	7
Number of connection types	1
Number of levels	1

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Connection 1

Push-in CAGE CLAMP®
Push-button
Operation parallel to conductor entry
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 inches
7

Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	24.5 mm / 0.965 inches
Height	14 mm / 0.551 inches
Depth	11.4 mm / 0.449 inches
Solder pin length	3.6 mm
Solder pin diameter	1 mm
Drilled hole diameter with tolerance	1.2 ^(±0.1) mm

Mechanical Data

Variable coding	No
Anti-rotation protection	Yes

Plug-in connection

Contact type (pluggable connector)	Female connector/socket
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	none

PCB contact

|--|

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Material Data

Note (material data)

Information on material specifications can be found here

Color	light gray
Material group	I
Insulation 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
Fire load	0.011 MJ
Weight	4.2 g

Environmental requirements

Limit temperature range	-60 +100 °C
Processing temperature	-35 +60 °C

Commercial data

eCl@ss 10.0	27-44-04-02
eCl@ss 9.0	27-44-04-02
ETIM 8.0	EC002637
ETIM 7.0	EC002637
PU (SPU)	100 pcs
Packaging type	box
Country of origin	DE
GTIN	4055143428637
Customs tariff number	85366990990

Environmental Product Compliance

RoHS Compliance Status	Compliant,No Exemption
------------------------	------------------------

Approvals / Certificates

General approvals

	СВ	IEC 61984	NL-49736
Logo	Approval	Additional Approval Text	name
			Certificate

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DEKRA Certification B.V.		/A1
CSA	C22.2 No. 158	2362521
DEKRA Certification B.V.		
CSA	C22.2	2362521
DEKRA Certification B.V.		
KEMA/KEUR	EN 61984	71-
DEKRA Certification B.V.		102260
		REV.1
UL	UL 1977	E45171
Underwriters Laboratories Inc.		
UR	UL 1059	E45172
Underwriters Laboratories Inc.		

Downloads

Documentation

Additional Information

2019 年4月3日 pdf Download 2.0 MB

CAD/CAE-Data

PCB Design

Symbol and Footprint 2091-1177

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

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- 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 2091-1177

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CAE data

ZUKEN Portal 2091-1177

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Environmental Product Compliance

Compliance Search

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1-conductor THT female connector straight; push-button; Push-in CAGE CLAMP®;

1.5 mm²; Pin spacing 3.5 mm; 7-pole; 1.0 mm Ø solder pin; 1,50 mm²; light gray

Installation Notes

Conductor termination

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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	
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.	
μ	

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