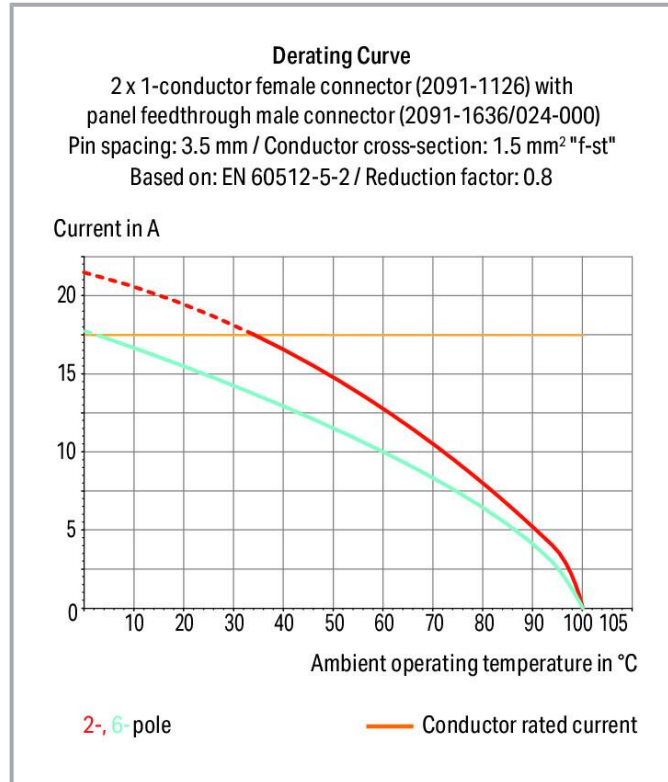
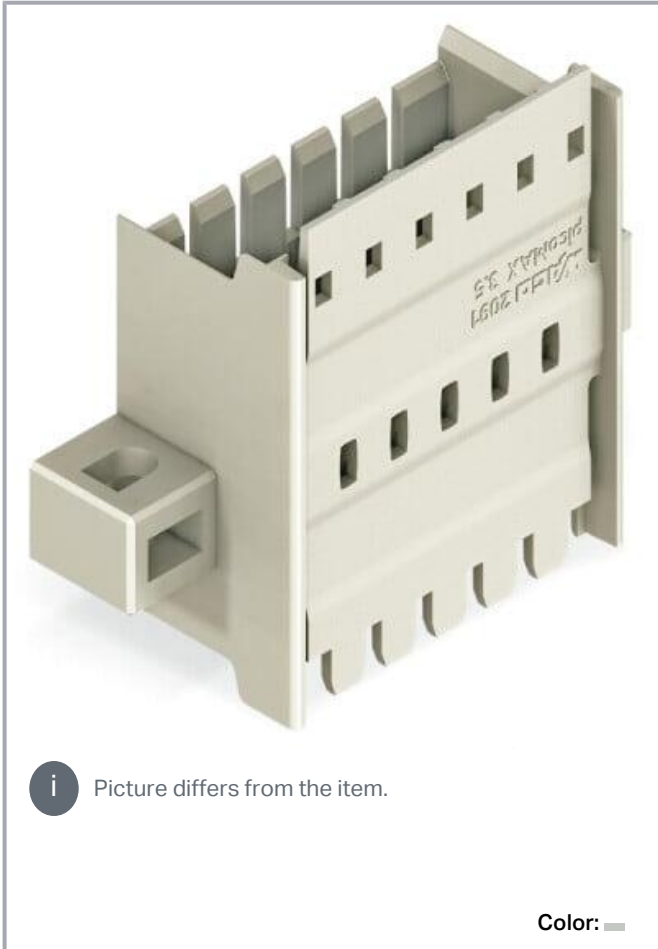


**Data sheet | Item number: 2091-1638/024-000**

Panel feedthrough male connector; clamping collar; 1.5 mm<sup>2</sup>; 8-pole; Pin spacing 3.5 mm; light gray



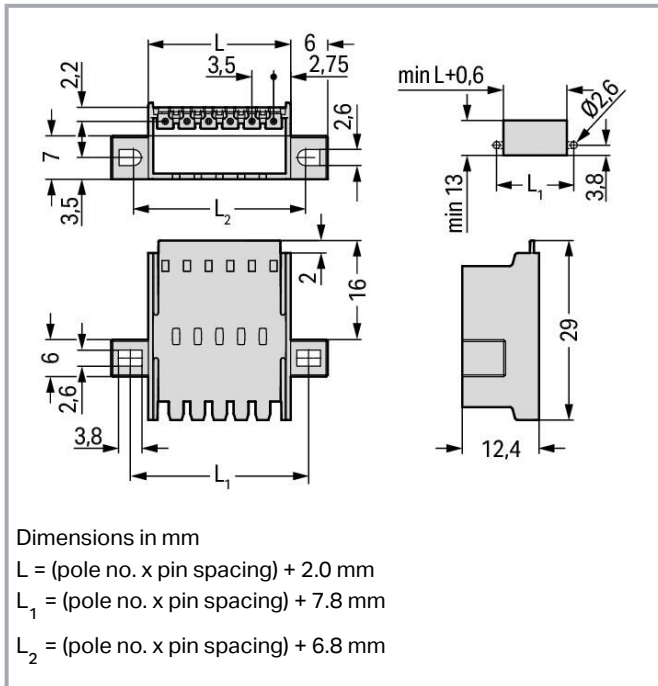
[www.wago.com/2091-1638/024-000](http://www.wago.com/2091-1638/024-000)



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

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



## Item description

- Male connectors for screw mounting in device or enclosure panels
- External plug-in connection via locking latches to female connectors with conductor terminations
- Internal plug-in connection to female headers with solder pins or female connectors with conductor terminations
- Also available with pre-assembled female connectors on both sides
- Fixing flanges also suitable for panel mounting

## 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

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



### 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) $\triangleq$ 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

Total number of potentials	8
Number of connection types	1
Number of levels	1

### Connection 1

Pole number	8
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### Physical data

Pin spacing	3.5 mm / 0.138 inches
Width	42 mm / 1.654 inches
Height	12.4 mm / 0.488 inches
Depth	29 mm / 1.142 inches

### Mechanical data

Variable coding	Yes
Mounting type	Mounting flange

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



Mounting type	Feed-through mounting Panel mounting
Anti-rotation protection	Yes

### Plug-in connection

Contact type (pluggable connector)	Male connector/plug
Connector (connection type)	for pluggable connector
Mismating protection	No
Plugging without loss of pin spacing	Yes
Locking of plug-in connection	Locking latch

### 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	V0
Contact material	Electrolytic copper ( $E_{Cu}$ )
Contact plating	Tin
Fire load	0.139 MJ
Weight	5.7 g

### Environmental requirements

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

### Commercial data

Product Group	26 (picoMAX Connectors)
eCl@ss 10.0	27-14-11-06
eCl@ss 9.0	27-14-11-06
ETIM 8.0	EC001284
ETIM 7.0	EC001284
ECCN	NO DATA
PU (SPU)	50 pcs
Packaging type	box

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





Country of origin	DE
GTIN	4050821161882
Customs tariff number	85366930000

### Environmental Product Compliance


RoHS Compliance Status	Compliant, No Exemption
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### Approvals / Certificates

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

### Counterpart

	Item no. 2091-1128 1-conductor female connector; push-button; Push-in CAGE CLAMP®; 1.5 mm <sup>2</sup> ; Pin spacing 3.5 mm; 8-pole; 1,50 mm <sup>2</sup> ; light gray	<a href="http://www.wago.com/2091-1128">www.wago.com/2091-1128</a>
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Subject to changes. Please also observe the further product documentation!



## Optional accessories

### Coding

Coding

	<b>Item no.: 2091-1610</b> Coding key carrier; suitable for 3.5 mm pin spacing; orange	<a href="http://www.wago.com/2091-1610">www.wago.com/2091-1610</a>
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## Downloads

### Documentation

#### Additional Information

Technical Section	2019 年4月3日	pdf	Download
Technical explanations		2.1 MB	

## CAD/CAE-Data

### CAD data

2D/3D Models 2091-1638/024-000	URL	Download
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### CAE data

ZUKEN Portal 2091-1638/024-000	URL	Download
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### Asset Administration Shell

Asset Administration Shell 2091-1638/024-000	URL	Download
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## Environmental Product Compliance

### Compliance Search

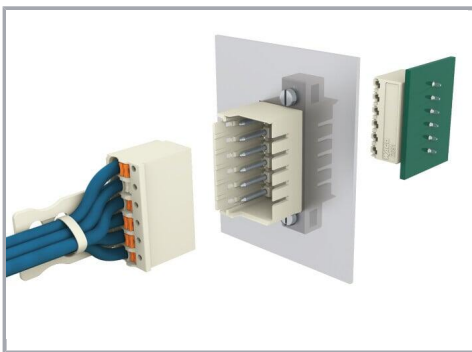
Environmental Product Compliance 2091-1638/024-000	URL	Download
Panel feedthrough male connector; clamping collar; 1.5 mm <sup>2</sup> ; 8-pole; Pin spacing 3.5 mm; light gray		

## Installation Notes

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



"Wire-to-wire" panel feedthrough connection  
Notice: Male connectors must not be live when disconnected!



"Wire-to-board" panel feedthrough connection

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