

1694376

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Device connector rear mounting, 4-position, Socket, straight, M8, Rear mounting, M12 \times 1, Wave soldering

Your advantages

- Easy PCB assembly: one-piece connectors for wave soldering
- Standard pin assignments and codings for signal transmission with a uniform design-in design
- For high transmission reliability: optional shield connection to the housing and latching on the PCB

Commercial data

Item number	1694376	
Packing unit	20 pc	
Minimum order quantity	20 pc	
Sales key	02	
Product key	ABQJBI	
Catalog page	Page 226 (C-2-2013)	
GTIN	4017918178659	
Weight per piece (including packing)	13.5 g	
Weight per piece (excluding packing)	13.5 g	
Customs tariff number	85366990	
Country of origin	DE	



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Technical data

Mounting

Mounting type	Rear mounting M12 x 1 With flat nut
Assembly note	With flat nut

Product properties

Product type	Circular connectors (device side)
Number of positions	4
Shielded	no
Coding	A
Thread type	M8

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	НВ	
Seal material	NBR	
Contact material	CuSn	
Contact surface material	Au	
Contact carrier material	PA 6.6	
Material for screw connection	Brass, nickel-plated	

Electrical properties

Rated surge voltage	1.5 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	48 V AC
	60 V DC
Nominal current I _N	4 A

Connection data

Conductor connection

Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	1 Nm 1.5 Nm (Installation-side)

Connector

Connection 1

Head design	Socket
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	Head cable outlet	straight
	Head thread type	M8
En	vironmental and real-life conditions	

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-40 °C 85 °C
	-25 °C 85 °C

Standards and regulations

M8

Standard designation	M8 connector
Standards/specifications	IEC 61076-2-104

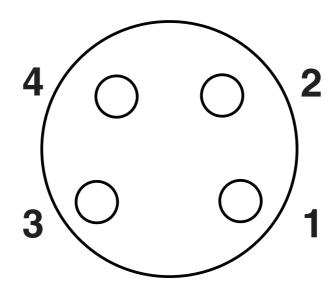


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Drawings

Schematic diagram



Pin assignment M8 socket, 4-pos., view female side



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Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/pc/products/1694376

cUL Recognized Approval ID: E221474-20070307					
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	4 A	-	-

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cULus Recognized



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Classifications

ECLASS

	ECLASS-11.0	27440102			
	ECLASS-12.0	27440116			
	ECLASS-13.0	27440116			
ETIM					
	ETIM 9.0	EC002635			
UNSPSC					
	UNSPSC 21.0	39121400			



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Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)
China RoHS	
Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.
EU REACH SVHC	
REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	7c883a18-8dcf-4a88-a26e-3b987ee3b9ab

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PHOENIX CONTACT GmbH & Co. KG Flachsmarktstraße 8 D-32825 Blomberg +49 (0) 5235-3 00 info@phoenixcontact.com