

1441817

https://www.phoenixcontact.com/no/products/1441817

Please be informed that the data shown in this PDF document is generated from our online catalog. Please find the complete data in the user documentation. Our general terms of use for downloads are valid.



Device connector rear mounting, 8-position, Socket, M12, coding: A, Rear mounting, M16 x 1.5, Wave soldering, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0. 1 %) item no.: 1239740

Your advantages

- · Easy PCB assembly: one-piece connectors for wave soldering
- · All standard pin assignments and codings for signal, data, and power transmission with a uniform design-in design
- · SPEEDCON fast locking system reduces cabling times

Commercial data

Item number	1441817		
Packing unit	20 pc		
Minimum order quantity	20 pc		
Sales key	31BAB		
Product key	ABQEHJ		
Catalog page	Page 250 (C-2-2013)		
GTIN	4046356534017		
Weight per piece (including packing)	14.575 g		
Weight per piece (excluding packing)	14.575 g		
Customs tariff number	85366990		
Country of origin	DE		



1441817

https://www.phoenixcontact.com/no/products/1441817

Technical data

Notes

General	The electrical and mechanical data specified assume that the connector pair is correctly locked and mounted. If the connector is unlocked and if there is a danger of contamination, the connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must also be taken into consideration.
General	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting M16 x 1.5 With flat nut	
Assembly instructions	With flat nut	

Product properties

Product type Circular connectors (device side)	
Number of positions	8
Shielded	no
Coding	A
	A
Thread type	M12
Insulation characteristics	

Overvoltage category	Ш
Degree of pollution	3

Dimensions

Length of the solder pin	6 mm
	6 mm

Material specifications

Flammability rating according to UL 94	VO
Seal material	NBR
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	Zinc die-cast, nickel-plated

Electrical properties

Rated surge voltage	0.8 kV
Contact resistance	≤ 3 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	30 V



1441817

M12

https://www.phoenixcontact.com/no/products/1441817

Nominal current I _N	2 A
Connection data	
Conductor connection	We a sold store
Connection method	Wave soldering
Contact connection type	Socket
Tightening torque	3 Nm 4 Nm (Installation-side)
Mechanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 100
Connector	
Connection 1	
Head design	Socket
Head thread type	M12
Coding	A
Cable/line	
Ambient temperature (operation)	-40 °C 85 °C (cable, fixed installation)
	-25 °C 85 °C (Cable, flexible installation)
Environmental and real-life conditions	
Ambient conditions	
Degree of protection	IP67 (When plugged in)
	IP65 (When plugged in)
	IP65/IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-40 °C 85 °C (without mechanical actuation)
	-25 °C 85 °C (Cable, flexible installation)
	-40 °C 85 °C (cable, fixed installation)
Standards and regulations	

Standard designation	M12 connector	
Standards/specifications	IEC 61076-2-101	



1441817

https://www.phoenixcontact.com/no/products/1441817

Drawings

Pin assignment M12 socket, 8-pos., A-coded, view female side



1441817

https://www.phoenixcontact.com/no/products/1441817

Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/no/products/1441817

Approval ID: E118976-20100522					
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	2 A	24 - 24	-

c 911 us	CULus Recognized Approval ID: E221474-20140616				
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	2 A	24 - 22	-



1441817

https://www.phoenixcontact.com/no/products/1441817

Classifications

ECLASS

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



1441817

https://www.phoenixcontact.com/no/products/1441817

Environmental product compliance

REACh SVHC	Lead 7439-92-1
China RoHS	Environmentally Friendly Use Period = 50 years
	For information on hazardous substances, refer to the manufacturer's declaration available under "Downloads"

Phoenix Contact 2024 © - all rights reserved https://www.phoenixcontact.com

PHOENIX CONTACT AS Strømsveien 344 N-1081 Oslo +47 22 07 68 00 norge@phoenixcontact.com