

1437106

https://www.phoenixcontact.com/us/products/1437106

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, 12-position, Pin, straight, M12-SPEEDCON, coding: A, Rear mounting, M12 \times 1, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239645

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
- · For high transmission reliability: optional shield connection to the housing by means of shield contact

Commercial data

Item number	1437106
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEGA
Catalog page	Page 249 (C-2-2013)
GTIN	4046356449618
Weight per piece (including packing)	9.505 g
Weight per piece (excluding packing)	9.505 g
Customs tariff number	85366990
Country of origin	DE



1437106

https://www.phoenixcontact.com/us/products/1437106

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 M12 x 1 With flat nut
Assembly instructions	With flat nut

Product properties

Product type	Circular connectors (device side)
Number of positions	12
Shielded	yes
Coding	A
Thread type	M12
Insulation characteristics	
Overvoltage category	ll l

Dimensions

Length of the solder pin	6 mm
	6 mm

3

Material specifications

Degree of pollution

Flammability rating according to UL 94	V0
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
Nominal current I _N	1.5 A



1437106

https://www.phoenixcontact.com/us/products/1437106

Connection data

Conductor connection

Connection method	Solder pins
Contact connection type	Pin
Tightening torque	3 Nm 4 Nm (Installation-side)

Mechanical properties

Mechanical data

	Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Head locking type	SPEEDCON
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

M12

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



1437106

https://www.phoenixcontact.com/us/products/1437106

Classifications

ECLASS

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



1437106

https://www.phoenixcontact.com/us/products/1437106

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 USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com