

1436806

https://www.phoenixcontact.com/us/products/1436806

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, 17-position, Socket, straight, M12-SPEEDCON, coding: A, Rear mounting, Pg9, Solder pins, Alternative product in accordance with RoHS II without Exemption 6c (Pb < 0.1 %) item no.: 1239635

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	1436806
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB26
Product key	ABQEHD
Catalog page	Page 247 (C-2-2013)
GTIN	4046356438803
Weight per piece (including packing)	15.407 g
Weight per piece (excluding packing)	14.995 g
Customs tariff number	85366990
Country of origin	DE



1436806

https://www.phoenixcontact.com/us/products/1436806

Technical data

Notes

Notes on operation	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.
Order information:	Lock nut is included in the scope of delivery

Mounting

Mounting type	Rear mounting Pg9 With flat nut
Assembly note	With flat nut

Product properties

Product type	Circular connectors (device side)
Number of positions	17
Shielded	yes
Coding	A
Thread type	M12
Insulation characteristics	
Overvoltage category	II

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



1436806

https://www.phoenixcontact.com/us/products/1436806

Connection data

Conductor connection

Connection method	Solder pins
Contact connection type	Socket
Tightening torque	2 Nm 3 Nm (Installation-side)

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	> 100

Connector

Connection 1

Head design	Socket
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

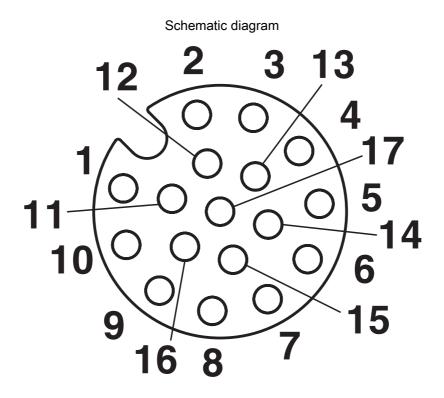
·· ·	
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101



1436806

https://www.phoenixcontact.com/us/products/1436806

Drawings



Pin assignment M12, 17-pos., socket side view



1436806

https://www.phoenixcontact.com/us/products/1436806

Approvals

To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1436806

71 A	JL Recognized Approval ID: E118976-201	00522			
		Nominal voltage U_N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	1.5 A	26 - 26	-

e 911 us	cULus Recogniz Approval ID: E221474	zed 4-20140616			
		Nominal voltage U _N	Nominal current I _N	Cross section AWG	Cross section mm ²
		30 V	1.5 A	-	-



1436806

https://www.phoenixcontact.com/us/products/1436806

Classifications

ECLASS

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



1436806

https://www.phoenixcontact.com/us/products/1436806

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	2b8c325a-726c-46de-a52f-f5c275b23b6f



1436806

https://www.phoenixcontact.com/us/products/1436806

Accessories

SACC-PG9-SEAL CLM - Flat gasket

1556320

https://www.phoenixcontact.com/us/products/1556320

Pg9 flat gasket, for M12 flush-type connectors with Pg9 fastening thread



PROT-M12 - Screw plug

1680539

https://www.phoenixcontact.com/us/products/1680539



An M12 screw plug for the unoccupied M12 sockets of the sensor/actuator cable, boxes and flush-type connectors



1436806

https://www.phoenixcontact.com/us/products/1436806

PROT-M12 SH - Screw plug

1503302

https://www.phoenixcontact.com/us/products/1503302



An M12 screw plug for the unoccupied M12 sockets of the shielded sensor/actuator cable, boxes and flush-type connectors

PROT-M12 FB - Screw plug

1555538

https://www.phoenixcontact.com/us/products/1555538



M12 high-grade steel screw plug, for unoccupied M12 sockets of the sensor/actuator cables, boxes and flush-type connectors for the food industry

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