

1436440

https://www.phoenixcontact.com/us/products/1436440

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.



Sensor/actuator flush-type connector, socket, 8-pos., M12, A-coded, front/screw mounting with M12 thread, with solder cups, plastic version

Commercial data

Item number	1436440
Packing unit	20 pc
Minimum order quantity	20 pc
Sales key	AB23
Product key	ABQEEI
Catalog page	Page 241 (C-2-2013)
GTIN	4046356438391
Weight per piece (including packing)	4.02 g
Weight per piece (excluding packing)	3.973 g
Customs tariff number	85366990
Country of origin	DE



1436440

https://www.phoenixcontact.com/us/products/1436440

Technical data

Notes

connector must be sealed using a protective cap > IP54. Influences arising from litz wires, cables or PCB assembly must	Notes on operation	
		also be taken into consideration.

Mounting

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

Product properties

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

Insulation characteristics

Overvoltage category	II
Degree of pollution	3

Material specifications

Color	black
Flammability rating according to UL 94	НВ
Seal material	Viton
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA 6.6
Material for screw connection	PA 6.6

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	2 A

Connection data

Conductor connection	
Connection method	Solder cup



1436440

https://www.phoenixcontact.com/us/products/1436440

Contact connection type	Pin
Conductor cross section flexible	0.25 mm²
Tightening torque	0.4 Nm 0.6 Nm (Installation-side)
Mechanical properties	
Insertion/withdrawal cycles	> 100
Connector	
Connection 1	

Head design	Pin
Head cable outlet	straight
Head thread type	M12
Coding	A

Environmental and real-life conditions

Ambient conditions	
Degree of protection	IP67
	IP67
Ambient temperature (operation)	-25 °C 85 °C (Plug / socket)
	-40 °C 85 °C (without mechanical actuation)

Standards and regulations

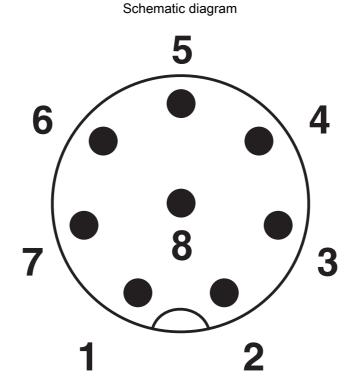
M12	
Standard designation	M12 connector
Standards/specifications	IEC 61076-2-101



1436440

https://www.phoenixcontact.com/us/products/1436440

Drawings



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



1436440

https://www.phoenixcontact.com/us/products/1436440

Approvals

🌣 To download certificates, visit the product detail page: https://www.phoenixcontact.com/us/products/1436440



cULus Recognized Approval ID: E221474-20070307



1436440

https://www.phoenixcontact.com/us/products/1436440

Classifications

ECLASS

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



1436440

https://www.phoenixcontact.com/us/products/1436440

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	791e5528-9722-4183-8d7c-bc5f73f57418



1436440

https://www.phoenixcontact.com/us/products/1436440

Accessories

PROT-M12 FS - Sealing cap

1560251 https://www.phoenixcontact.com/us/products/1560251



M12 sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

PROT-M12 FS-M - Sealing cap

1430488 https://www.phoenixcontact.com/us/products/1430488



M12 metal sealing cap for unoccupied M12 plugs of the sensor/actuator cable, flush-type plugs and I/O devices in the field

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