

Connector - SACC-M12FS-8CON-PG9-M - 1513347

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's documentation. Our General Terms of Use for Downloads are valid (<http://phoenixcontact.com/download>)




Connector, 8-position, Socket straight M12, A-coded, Screw connection, Knurl material: Zinc die-cast, nickel-plated, Cable gland Pg9, External cable diameter 6 mm ... 8 mm

Why buy this product

- ✓ Safe use in the field, thanks to a high degree of protection
- ✓ Flexible: connectors for on-site assembly
- ✓ Screw connection: proven connection technology for a large selection of different conductors

RoHS

Key Commercial Data

Packing unit	1 STK
GTIN	 4 017918 910921
GTIN	4017918910921
Weight per Piece (excluding packing)	27.440 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External cable diameter	6 mm ... 8 mm
Stripping length of the sheath	20 mm
Stripping length of the individual wire	5 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP67

General

Rated current at 40 °C	2 A
Rated voltage	30 V

Connector - SACC-M12FS-8CON-PG9-M - 1513347

Technical data

General

Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	A - standard
Standards/regulations	M12 connector IEC 61076-2-101
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Screw connection
Conductor cross section	0.25 mm ² ... 0.5 mm ²
Conductor cross section AWG	24 ... 20
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl) 0.2 Nm (Screw terminal blocks) 0.8 Nm ... 1 Nm (Pressure screw with sleeve housing)
Tightening torque	Screw plug insert with sleeve housing as far it will go
Assembly instructions	The wires can be connected both with ferrules and without ferrules

Material

Flammability rating according to UL 94	HB
Contact material	CuZn
Contact surface material	Au
Contact carrier material	PA
Material of grip body	PA
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

Cable

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

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-101
Connection in acc. with standard	CUL
Flammability rating according to UL 94	HB

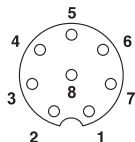
Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
	No hazardous substances above threshold values

Drawings

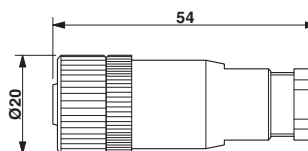
Connector - SACC-M12FS-8CON-PG9-M - 1513347

Schematic diagram



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

Dimensional drawing



M12 x 1 socket, straight

Classifications

eCl@ss

eCl@ss 4.0	27140815
eCl@ss 4.1	27140815
eCl@ss 5.0	27260701
eCl@ss 5.1	27260701
eCl@ss 6.0	27279221
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062
ETIM 5.0	EC002062
ETIM 6.0	EC002062

UNSPSC

UNSPSC 6.01	31251501
UNSPSC 7.0901	31251501
UNSPSC 11	31251501
UNSPSC 12.01	31251501
UNSPSC 13.2	39121413

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized

Connector - SACC-M12FS-8CON-PG9-M - 1513347

Approvals

Ex Approvals

Approval details

UL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal current IN	2 A		
Nominal voltage UN	60 V		

cUL Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm	FILE E 221474
Nominal current IN	2 A		
Nominal voltage UN	60 V		

EAC		EAC-Zulassung
-----	--	---------------

EAC		7500651.22.01.00246
-----	--	---------------------

cULus Recognized		http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm
------------------	--	---

Accessories

Accessories

Cable by the meter

Cable reel - SAC-8P-100,0-PUR/0,25 - 1550630



Cable ring, halogen-free PUR, black, 8-pos., conductor colors: White / brown / green / yellow / gray / pink / blue / red, cable length: 100 m

Connector - SACC-M12FS-8CON-PG9-M - 1513347

Accessories

Protective cap

Screw plug - PROT-M12 MS-PA-CHAIN - 1430899

M12 sealing cap with fixing band, for sensor cables, for free M12 sockets



Screwdriver tools

Adapter insert - TSD-M SAC-BIT ADAPTER - 1212600



Adapter bit for TSD-M...torque tools, E6.3-1/4" drive with 4 mm hexagon to accommodate SAC bits

Tool - SACC BIT M12-D20 - 1208445



Nut for assembling M12 connectors for assembly with a knurl diameter of 20 mm, for 4 mm hexagonal drive

Torque tool

Torque screwdriver - TSD 04 SAC - 1208429



Torque screwdriver, with preset torque of 0.4 Nm and 4 mm hexagonal drive for M12 connectors

Torque screwdriver - TSD-M 1,2NM - 1212224



Torque screw driver, accuracy as per EN ISO 6789 standard, adjustable from 0.3 - 1.2 Nm

X-ON Electronics

Largest Supplier of Electrical and Electronic Components

Click to view similar products for [Unspecified Connectors](#) category:

Click to view products by [Phoenix Contact](#) manufacturer:

Other Similar products are found below :

[1-21107-1](#) [RAD-OUT-8D-REL](#) [1409899](#) [403000A10M050](#) [1-1589688-1](#) [770690-4](#) [1200110](#) [1200113](#) [LTWBD-06BFMA-LL7001](#) [LTWBD-06BMFA-LL7001](#) [LTWBD-06BMMA-LL7001](#) [LTWBD-06PMMP-LC7001](#) [LTWBD-07BFFA-LL7001](#) [LTWBD-08PMMP-LC7001](#) [LTWBU-10BFFA-LL7001](#) [LTWBU-10PMMS-LC7001](#) [LTWBU-12PMMP-LC7001](#) [LTWBU-12PMMS-LC7001](#) [LTWCAP-WABPMLC1](#) [LTWCAP-WADMMLC1](#) [153210](#) [153414](#) [186285](#) [153285](#) [RC-5AS2000](#) [RC-Z2068](#) [RAD-900-CONF-RF1](#) [RAD-CON-SMA-N-SS](#) [RAD-PIG-EF316-N-RSMA](#) [RAD-ISM-2400-ANT-VAN-3-0-R](#) [RIF-0-RPT-12DC/21](#) [RIF-1-BPT/2X21](#) [RIF-RH-1](#) [99 0210 00 04](#) [125.012-10](#) [125.012-6](#) [2000 3/8](#) [3040 16-1/2](#) [3040 17-1/2](#) [710027-1](#) [710030-3](#) [ES 12 NI](#) [GOL BLUE 25](#) [800307](#) [5043994](#) [5736861](#) [1714624](#) [5772605](#) [1016808](#) [41.031.4053.1](#)