Connector - SACC-MSX-8QO SH PN SCO - 1411044

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, PROFINET CAT6$_A$ (10 Gbps), 8-position, halogen-free, shielded, Plug straight M12 SPEEDCON, X-coded, Insulation displacement connection, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 5 mm ... 9.7 mm

Product Features

- Safe use in the field, thanks to a high degree of protection
- Flexible: connectors for on-site assembly
- Insulation displacement connection: innovative and time-saving assembly without stripping the single wire
- Save time, thanks to installation with SPEEDCON fast locking system
- Reliable signal transmission - 360° shielding in environments with electromagnetic interference

Key Commercial Data

Packing unit	1 pc
Weight per Piece (excluding packing)	40.0 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

Wrench size, union nut	15 mm
External diameter	5 mm ... 9.7 mm
Stripping length of the sheath	≥ 80 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Ambient temperature (assembly)	-5 °C ... 50 °C
Degree of protection	IP65

Connector - SACC-MSX-8QO SH PN SCO - 1411044

Technical data

Ambient conditions

	IP67

General

Rated current at 40°C	0.6 A (30 W)
Rated voltage	57 V DC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109
	Shock, vibration EN 50155:2001
Signal type/category	PROFINET $CAT6_A$ (IEC 11801), 10 Gbps
Status display	No
Overvoltage category	II
Pollution degree	3
Connection method	Insulation displacement connection
Conductor cross section	0.25 mm² ... 0.5 mm²
AWG conductor cross section	24 ... 20
Wire diameter including insulation	0.75 mm ... 2 mm
Frequency of connections between conductors of the same cross section	10
Wire insulation material	PVC / PE / PP / rubber
Structure of individual litz in acc. with VDE 0295 / smallest wire diameter	Class 2-6
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	5 Nm (Pressure nut)

Material

Flammability rating according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PA 6.6
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR
Standards/regulations	PA 6.6: Fire protection in rail vehicles - requirement sets R22, R23, and R24 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Connector - SACC-MSX-8QO SH PN SCO - 1411044

Classifications

eCl@ss

eCl@ss 5.1	27061801
eCl@ss 6.0	27061801

ETIM

ETIM 5.0	EC002635

Approvals

Approvals

Approvals

EAC

Ex Approvals

Approvals submitted

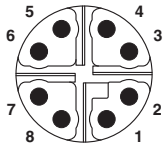
Approval details

EAC

Drawings

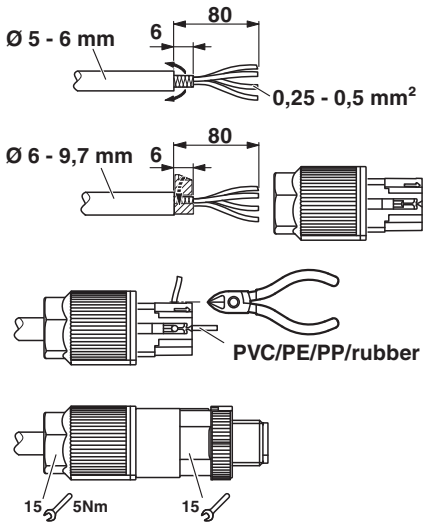
Connector - SACC-MSX-8QO SH PN SCO - 1411044

Schematic diagram

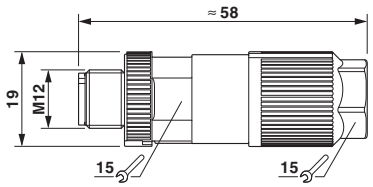


Pin assignment M12 plug, 8-pos., view plug side

Functional drawing



Dimensional drawing



Plug, M12 x 1, straight, shielded

Phoenix Contact 2015 © - all rights reserved
http://www.phoenixcontact.com