

Connector - SACC-MSX-8QO SH ETH SCO - 1411043

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Connector, Ethernet 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

Your advantages

- 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



Ethernet

Key commercial data

package_quantity	1
GTIN	4046356997935

Technical data

Dimensions

Wrench size, union nut	15 mm
Diameter housing	19 mm
Length	58 mm
External cable 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
	IP67

General

Rated current at 40 °C	0.5 A
Rated voltage	48 V AC
	60 V DC
Number of positions	8

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Technical data

General

Insulation resistance	≥ 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109
	Shock, vibration EN 50155:2001
Signal type/category	Ethernet CAT6 _A (IEC 11801), 10 Gbps
Status display	No
Overvoltage category	II
Degree of pollution	3
Connection method	Insulation displacement connection
Conductor cross section	0.14 mm ² ... 0.34 mm ² (flexible)
	0.14 mm ² ... 0.34 mm ² (solid)
Conductor cross section AWG	26 ... 22 (flexible)
	26 ... 22 (solid)
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	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, R24, and R26 acc. to DIN EN 45545-2 (Risk level HL1 - HL3)

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-109
Standard designation	Shock, vibration
Standards/regulations	EN 50155:2001
Flammability rating according to UL 94	V0

Environmental Product Compliance

China RoHS	Environmentally friendly use period: unlimited = EFUP-e
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Environmental Product Compliance

	No hazardous substances above threshold values
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Classifications

eCl@ss

eCl@ss 5.1	27143400
eCl@ss 6.0	27279200
eCl@ss 7.0	27440104
eCl@ss 8.0	27440104
eCl@ss 9.0	27440102

ETIM

ETIM 5.0	EC002635
ETIM 6.0	EC002635
ETIM 7.0	EC002635

Approvals

EAC /

Approval details

EAC ENEC

Accessories

Torque tool

TSD 04 SAC - 1208429



TSD-M 1,2NM - 1212224



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Accessories

Screwdriver tools

SACC BIT M12-D20 - 1208445



TSD-M SAC-BIT ADAPTER - 1212600



Protective cap

PROT-M12 FS-PA-CHAIN - 1430873



Stripping tool

WIREFOX-D 40 - 1212161



Electronics pliers

MICROFOX-SB - 1212489



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Accessories

Accessories

VS-08-RJ45-FOLIEN-SET - 1417184

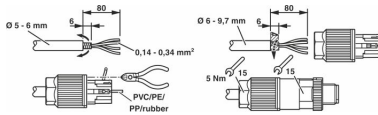


VS-CABLE-STRIP-VARIO - 1657407

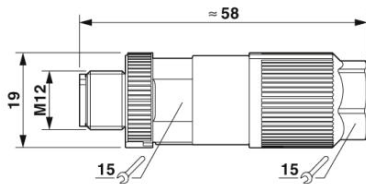


Drawings

Functional drawing



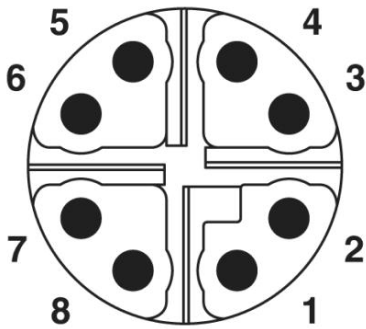
Dimensional drawing



Plug, M12 x 1, straight, shielded

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Schematic diagram



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

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