PHŒNIX CONTACT

Bus system connector - VS-08-M12MS-10G-P SCO - 1417430

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Bus system connector, Ethernet CAT6$_A$, 8-position, shielded, Plug straight M12 SPEEDCON, X-coded, Piercecon®, Knurl material: Zinc die-cast, nickel-plated, External cable diameter 4 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

☑ 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
GTIN	4 046356 530699
Weight per Piece (excluding packing)	24.7 g
Custom tariff number	85366990
Country of origin	Germany

Technical data

Dimensions

External diameter	4 mm ... 8 mm

Ambient conditions

Ambient temperature (operation)	-40 °C ... 85 °C (Plug / socket)
Degree of protection	IP65
	IP67

General

Rated current at 40°C	0.5 A
Rated voltage	48 V

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Technical data

General

Number of positions	8
Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109
Signal type/category	Ethernet CAT6$_A$
Status display	No
Surge voltage category	III
Pollution degree	2
Connection method	Piercecon$^®$
Conductor cross section	0.14 mm²
AWG conductor cross section	26
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	1 Nm (Connector with coupling sleeve)
	2 Nm (Pressure nut)

Material

Inflammability class according to UL 94	V0
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PP
Material of grip body	Zinc die-cast, nickel-plated
Material, knurls	Zinc die-cast, nickel-plated
Sealing material	NBR

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

ETIM

ETIM 2.0	EC001121
ETIM 3.0	EC002062
ETIM 4.0	EC002062

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Classifications

ETIM

ETIM 5.0	EC002062

UNSPSC

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

Approvals

Approvals

Approvals

UL Recognized

Ex Approvals

Approvals submitted

Approval details

UL Recognized	
Nominal current IN	0.5 A
Nominal voltage UN	60 V

Accessories

Accessories

Electronics pliers

Diagonal cutter - MICROFOX-SP-1 - 1212487

Electronic diagonal cutter, tapered head, without chamfer, with opening spring, non-reflective phosphate-treated surface, punched version

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Accessories

Protective cap

Sealing cap - PROT-M12 FS-PA-CHAIN - 1430873

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

Screwdriver tools

Tool - SAC BIT M12-D15 - 1208432

Nut for assembling sensor/actuator cables with M12 connector and for M12 connectors with QUICKON fast connection technology, for 4 mm hexagonal drive

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

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

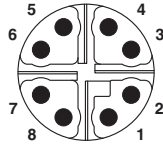Torque screwdriver - TSD-M 1,2NM - 1212224

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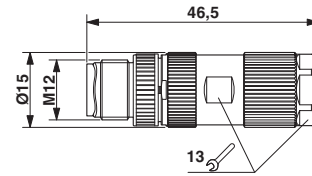
Drawings

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Schematic diagram

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

Dimensioned drawing

46,5

Ø15

M12

13

Dimens. drawing: M12 connectors