

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



1403882

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M12 connector, CAT6_A, connector, straight, 8-pos., shielded, for cable diameters of 4 mm ... 8 mm, customer version

Commercial data

Item number	1403882
Packing unit	1 pc
Minimum order quantity	50 pc
Product key	AF2CHJ
GTIN	4046356672634
Weight per piece (including packing)	29.9 g
Weight per piece (excluding packing)	24.7 g
Country of origin	DE

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Technical data

Notes

Assembly note

NOTE: Observe the permissible bending radii when routing cables, since the degree of protection may be at risk if the bending forces are too high. Reduce mechanical loads upstream of the connector, e.g., by using cable ties.

Product properties

Product type	Circular connector (cable-side)
Sensor type	Ethernet
Number of positions	8
No. of cable outlets	1

Insulation characteristics

Overvoltage category	III
Degree of pollution	3

Material specifications

Flammability rating according to UL 94	V0
Material of grip body	Zinc die-cast, nickel-plated
Contact material	CuSn
Contact surface material	Ni/Au
Contact carrier material	PP

Connection data

Conductor connection

Connection method	Piercecon®
Connection cross section	0.14 mm ²
Connection cross section AWG	26

Electrical properties

Contact resistance	≤ 10 mΩ
Insulation resistance	≥ 100 MΩ
Nominal voltage U _N	50 V AC
	60 V DC
Nominal current I _N	0.5 A
Transmission speed	10 Gbps

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 100
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Cable/line

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Signal type/category	Ethernet CAT6 _A (IEC 11801), 10 Gbps
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Environmental and real-life conditions

Ambient conditions

Degree of protection	IP65
Ambient temperature (operation)	-40 °C ... 85 °C

Standards and regulations

Standard designation	M12 connector
Standards/specifications	IEC 61076-2-109

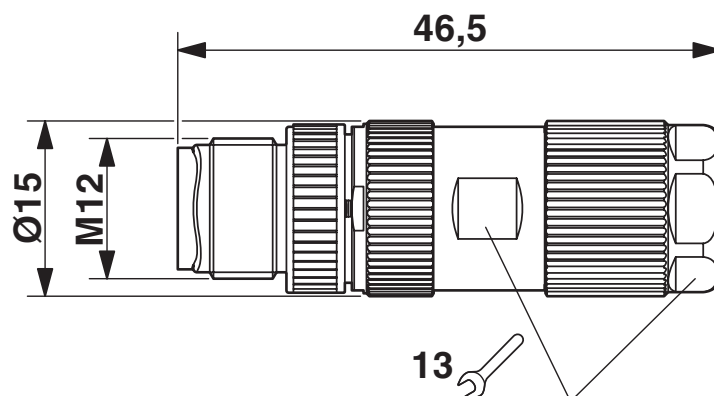
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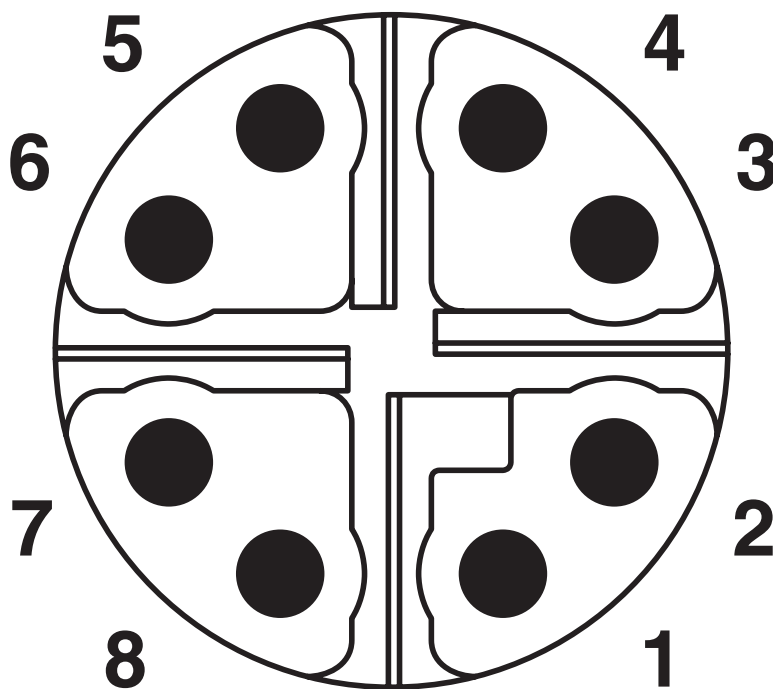
Drawings

Dimensional drawing



Dimens. drawing: M12 connectors

Schematic diagram



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

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Classifications

ECLASS

ECLASS-13.0	27440116
ECLASS-15.0	27440116

ETIM

ETIM 9.0	EC002635
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UNSPSC

UNSPSC 21.0	39121400
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Environmental product compliance

EU RoHS	
Fulfills EU RoHS substance requirements	Yes, No exemptions
China RoHS	
Environment friendly use period (EFUP)	EFUP-E
	No hazardous substances above the limits
EU REACH SVHC	
REACH candidate substance (CAS No.)	No substance above 0.1 wt%

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