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Bus system connector - VS-08-M12MR-10G-P SCO - 1417443

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Bus system connector, Ethernet CAT6_A, 8-position, shielded, Plug angled 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 STK
GTIN	

Technical data

Dimensions

External diameter	4 mm ... 8 mm
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Ambient conditions

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

General

Rated current at 40°C	0.5 A
Rated voltage	48 V
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109

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Technical data

General

Signal type/category	Ethernet CAT6 _A
Status display	No
Overvoltage category	III
Degree of pollution	2
Connection method	Piercecon [®]
Conductor cross section	0.14 mm ²
Conductor cross section AWG	26
Insertion/withdrawal cycles	≥ 100
Torque	0.4 Nm (M12 knurl)
	1 Nm (Connector with coupling sleeve)
	2 Nm (Pressure nut)
Assembly instructions	The connector pin assignment can be rotated 90° to the cable outlet

Material

Flammability rating 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

Standards and Regulations

Standard designation	M12 connector
Standards/regulations	IEC 61076-2-109
Connection in acc. with standard	UL
Flammability rating according to UL 94	V0

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
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Classifications

ETIM

ETIM 3.0	EC002062
ETIM 4.0	EC002062
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 / cUL Recognized / EAC / EAC / cULus Recognized

Ex Approvals

Approvals submitted

Approval details

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


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

EAC

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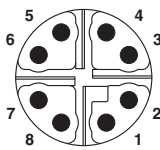
Approvals

EAC

cULus Recognized  US

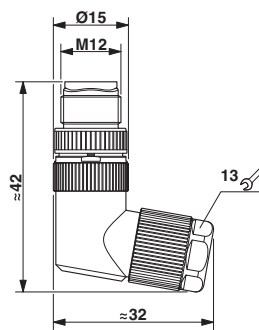
Drawings

Schematic diagram



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

Dimensional drawing



Dimens. drawing: M12 connectors

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Product	Code	Reference	Product link
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