

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

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>)



Bus system connector, Ethernet CAT6_A (10 Gbps), 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



Ethernet



Key Commercial Data

Packing unit	1 STK
GTIN	 4 046356 530712
GTIN	4046356530712
Weight per Piece (excluding packing)	40.000 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

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

Technical data

General

Rated current at 40°C	0.5 A
Rated voltage	50 V AC
	60 V DC
Number of positions	8
Insulation resistance	≥ 100 MΩ
Coding	X - data
Standards/regulations	M12 connector IEC 61076-2-109
Signal type/category	Ethernet CAT6 _A (IEC 11801), 10 Gbps
Status display	No
Overvoltage category	II
Degree of pollution	3
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)
	2 Nm (Screw plug insert with sleeve housing as far it will go)
	1 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

Environmental Product Compliance

China RoHS	Environmentally Friendly Use Period = 50
------------	--

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

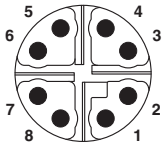
Technical data

Environmental Product Compliance

	For details about hazardous substances go to tab "Downloads", Category "Manufacturer's declaration"
--	---

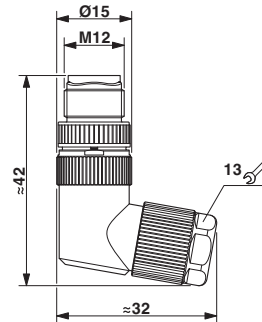
Drawings

Schematic diagram



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

Dimensional drawing



Dimens. drawing: M12 connectors

Approvals

Approvals

Approvals

UL Recognized / cUL Recognized / EAC / EAC / cULus Recognized


Ex Approvals

Approval details

UL Recognized http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm FILE E 335024	
Nominal current I _N	0.5 A
Nominal voltage U _N	60 V

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


Approvals

cUL Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm> FILE E 335024

Nominal current IN	0.5 A
Nominal voltage UN	60 V

EAC EAC-Zulassung

EAC 7500651.22.01.00246

cULus Recognized  <http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm>