VS-09-PROFIBUS-SC - D-SUB connector

1654549

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D-SUB connector, degree of protection: IP67, number of positions: 9, material: Plastic, connection method: Screw connection, connection cross section: AWG 26- 16, cable outlet: angled, with integrated termination resistor, housing size: 1, color: gray, PROFIBUS

Your advantages

- EMC protection
- Switchable termination resistor
- Coding sections (CR) as protection against mismatching

Commercial data

Item number	1654549
Packing unit	1 pc
Minimum order quantity	1 pc
Product key	ABNCBA
GTIN	4017918955083
Weight per piece (including packing)	93 g
Weight per piece (excluding packing)	93 g
Customs tariff number	85366990
Country of origin	DE

Technical data

Notes

Safety note

Safety note	WARNING: The connectors may not be plugged in or disconnected under load. Ignoring the warning or improper use may damage persons and/or property.
	• WARNING: Commission properly functioning products only. The products must be regularly inspected for damage. Decommission defective products immediately. Replace damaged products. Repairs are not possible.
	• WARNING: Only electrically qualified personnel may install and operate the product. They must observe the following safety notes. The qualified personnel must be familiar with the basics of electrical engineering. They must be able to recognize and prevent danger. The relevant symbol on the packaging indicates that only personnel familiar with electrical engineering are allowed to install and operate the product.
	• The products are suitable for applications in plant, controller, and electrical device engineering.
	• When operating the connectors in outdoor applications, they must be separately protected against environmental influences.
	• Assembled products may not be manipulated or improperly opened.
	• Only use mating connectors that are specified in the technical data of the standards listed (e.g. the ones listed in the product accessories online at phoenixcontact.com/products).
	• When using the product in direct connection with third-party manufacturers, the user is responsible.
	• For operating voltages > 50 V AC, conductive connector housings must be grounded
	• Only use tools recommended by Phoenix Contact
	• The installation notes/Design In documents online on the download page at phoenixcontact.com/products must be observed for this product.
	• Use a protective cap to protect connectors that are not in use. The suitable accessories are available online in the accessory section of the product at phoenixcontact.com/products
	• Operate the connector only when it is fully plugged in and interlocked.
	• Operate the connector only when it is fully plugged in.
	• Ensure that when laying the cable, the tensile load on the connectors does not exceed the upper limit specified in the standards.
	• Observe the minimum bending radius of the cable. Lay the cable without twisting it.
	• VDE 0100/1.97 § 411.1.3.2 and DIN EN 60 204/11.98 § 14.1.3 are applicable when combining several circuits in a cable and/or connector

Product properties

Application	PROFIBUS
Type	D-SUB
Sensor type	PROFIBUS
Number of positions	9
No. of cable outlets	2
Shielded	yes
Cable outlet	angled

Insulation characteristics

Overvoltage category	II
Degree of pollution	2

Electrical properties

Rated voltage (III/3)	50 V
Rated surge voltage	0.5 kV
Rated current	1 A
Transmission medium	Copper

Connection data

Connection technology

Connection method	Screw connection
Connection cross section AWG	26 ... 16 (solid)
	26 ... 18 (flexible)
Conductor cross-section	0.14 mm² ... 1.5 mm² (solid)
	0.14 mm² ... 1 mm² (flexible)

Dimensions

Width	24 mm
Height	59 mm
Length	107 mm

Material specifications

Color	gray
Flammability rating according to UL 94	V0
Housing material	Plastic
Housing surface material	PA, light gray
Cable seal material	CR/NBR

Cable/line

External cable diameter	5 mm ... 9 mm
Stripping length of the individual wire	7 mm
Cable cross section	0.2 mm²

Mechanical properties

Mechanical data

Insertion/withdrawal cycles	≥ 200

Environmental and real-life conditions

Ambient conditions

Degree of protection	IP67
	IP67
Ambient temperature (operation)	-20 °C ... 75 °C

Classifications

ECLASS

ECLASS-13.0	27440290
ECLASS-15.0	27440322

ETIM

ETIM 10.0	EC003083

UNSPSC

UNSPSC 21.0	39121400

Environmental product compliance

EU RoHS

Fulfills EU RoHS substance requirements	Yes
Exemption	6(c)

China RoHS

Environment friendly use period (EFUP)	EFUP-50
	An article-related China RoHS declaration table can be found in the download area for the respective article under "Manufacturer declaration". For all articles with EFUP-E, no China RoHS declaration table issued and required.

EU REACH SVHC

REACH candidate substance (CAS No.)	Lead(CAS: 7439-92-1)
SCIP	8acc620f-7915-4086-a0a4-b948cd93d2b0

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PHOENIX CONTACT GmbH & Co. KG
Flachsmarktstraße 8
D-32825 Blomberg
+49 (0) 5235-3 00
info@phoenixcontact.com