SUBCON-PLUS-PROFIB/90/SC - D-SUB bus connector



2313698

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D-SUB connector, 9-pos., male connector, 90° cable entry, bus system: PROFIBUS DP up to 12 Mbps, termination resistor can be switched on via slide switch, pin assignment: 3, 5, 6, 8; screw connection terminal blocks

Product description

The D-SUB series, SUBCON-PLUS-PROFIB/... was specially designed for use in PROFIBUS systems up to 12 Mbps. Under field conditions, it allows convenient and fast connection of the incoming and outgoing bus cable. The terminating resistor is already integrated in all versions. It can be connected externally by means of a slide switch. At the same time, the outgoing bus segment is switched off. This makes it easy to start up segment by segment while incorrect terminations are avoided.

Your advantages

· Suitable for all common Fast Connect PROFIBUS cables and RS-485 bus lines

Commercial data

Item number	2313698
Packing unit	1 pc
Minimum order quantity	1 pc
Sales key	DN10
Product key	DNC531
Catalog page	Page 447 (C-6-2019)
GTIN	4046356514163
Weight per piece (including packing)	51.7 g
Weight per piece (excluding packing)	36 g
Customs tariff number	85366990
Country of origin	DE

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Technical data

Notes

Utilization restriction	
CCCex note	Use in potentially explosive areas is not permitted in China.

Product properties

Product type	Data plug
MTTF	6706 Years (SN 29500 standard, temperature 25°C, operating cycle 21%)
	1817 Years (SN 29500 standard, temperature 40°C, operating cycle 34.25%)
	155 Years (SN 29500 standard, temperature 40°C, operating cycle 100%)
Pin assignment	3, 5, 6, 8

Electrical properties

Test voltage	50 V
Maximum power dissipation for nominal condition	0.025 W
Nominal voltage U _N	5 V
Nominal current I _N	100 mA

Connection data

Tightening torque	1.2 Nm
D-SUB connection	
Connection method	D-SUB connector
PCB connection	
Connection method	Screw connection
Stripping length	5 mm
Conductor cross section, rigid min.	0.14 mm²
Conductor cross section, rigid max.	1.5 mm ²
Conductor cross section flexible min.	0.14 mm²
Conductor cross section flexible max.	1 mm ²
Single-wire/terminal point, rigid AWG min.	26
Single-wire/terminal point, rigid AWG max.	16

Interfaces

Min. AWG conductor cross section, flexible

Max. AWG conductor cross section, flexible

Bus system	PROFIBUS DP
Signal	PROFIBUS

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Dimensions

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Width	16.8 mm
Height	34.8 mm
Length	72 mm
Naterial specifications	
Material Housing	ABS, metal-plated
Cable/line	
External cable diameter ()	7.6 mm 8.4 mm (Incoming bus line)
lechanical properties	
Mechanical data	
Insertion/withdrawal cycles	> 200
Environmental and real-life conditions	
Environmental and real-life conditions Ambient conditions Degree of protection	IP40
Ambient conditions	IP40 -20 °C 75 °C
Ambient conditions Degree of protection	
Ambient conditions Degree of protection Ambient temperature (operation)	-20 °C 75 °C -25 °C 80 °C
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport)	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation)
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude Permissible humidity (operation) Permissible humidity (storage/transport)	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) 10 % 95 % (non-condensing)
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Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude Permissible humidity (operation) Permissible humidity (storage/transport) Approvals EAC	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) 10 % 95 % (non-condensing) 5 % 95 % (non-condensing)
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude Permissible humidity (operation) Permissible humidity (storage/transport) Approvals EAC Identification	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) 10 % 95 % (non-condensing) 5 % 95 % (non-condensing)
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude Permissible humidity (operation) Permissible humidity (storage/transport) Approvals EAC Identification ATEX	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) 10 % 95 % (non-condensing) 5 % 95 % (non-condensing) EAC
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude Permissible humidity (operation) Permissible humidity (storage/transport) Approvals EAC Identification ATEX Identification	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) 10 % 95 % (non-condensing) 5 % 95 % (non-condensing) EAC Image: Second
Ambient conditions Degree of protection Ambient temperature (operation) Ambient temperature (storage/transport) Altitude Permissible humidity (operation) Permissible humidity (storage/transport) Approvals EAC Identification ATEX Identification Certificate	-20 °C 75 °C -25 °C 80 °C ≤ 5000 m (For restrictions, see the manufacturer's declaration for altitude operation) 10 % 95 % (non-condensing) 5 % 95 % (non-condensing) EAC Image: Second

 Identification
 Il 3 G Ex ec IIC T4 Gc

 Certificate
 PxCIMA22UKEX2744348X

Corrosive gas test

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	Identification	ISA-S71.04-1985 G3 Harsh Group A
Sta	andards and regulations	
	Free from substances that could impair the application of coating	in accordance with VW-AUDI-Seat central standard P-VW 3.10.7 57 65 0

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Phoenix Contact USA 586 Fulling Mill Road Middletown, PA 17057, United States (+717) 944-1300 info@phoenixcon.com