Chipsmall

Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!

Contact us

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D-SUB bus connector - SUBCON-PLUS-PROFIB/90X/PG/M12 - 2902728

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D-SUB plug, 9-pos., pin, with PG-D-SUB socket, assignment: 3, 5, 6, 8; two M12 cable glands (B-coded) under 90°. Bus system: PROFIBUS DP up to 12 Mbps. Termination resistor via separate M12 terminator. Long version; S7-compatible.

Product Features

- ☑ Easy startup, plug and play
- ☑ Error-free installation, particularly in standard machine production
- ☑ Quick connection thanks to M12-SPEEDCON fast locking system
- ☑ Low weight
- ☑ PROFIBUS
- ☑ Specifically for S7 300
- ☑ Termination using M12 termination resistor
- ☑ Version with programming connection
- ☑ Adapter between IP20 and IP67 environments
- ☑ Through-contacted shielding from M12 to D-SUB
- ☑

Key commercial data

Packing unit	1 pc
Custom tariff number	85366990
Country of origin	China

Technical data

Dimensions

Width	16 mm
Height	41 mm
Length	93 mm

Ambient conditions

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Technical data

Ambient conditions

Ambient temperature (operation)	-30 °C ... 80 °C
Ambient temperature (storage/transport)	-40 °C ... 85 °C
Ambient temperature (assembly)	-20 °C ... 80 °C
Permissible humidity (operation)	10 % ... 75 % (At +25°C, non-condensing)
Altitude	5000 m (For restrictions see manufacturer's declaration)

General

Bus system	PROFIBUS DP
Signal	PROFIBUS
SUBCON fixing screws	4-40 UNC
Tightening torque	0.4 Nm
Housing material	Polyamide
Pin assignment	3, 5, 6, 8
MTTF	6706 Years (SN 29500 standard, temperature 25°C, operating cycle 21 % (5 days a week, 8 hours a day))
	1817 Years (SN 29500 standard, temperature 40 °C, operating cycle 34.25 % (5 days a week, 12 hours a day))
	155 Years (SN 29500 standard, temperature 40°C, operating cycle 100 % (7 days a week, 24 hours a day))

Connection data

Connection	D-SUB connection
Number of positions	9
Connection method	D-SUB connector
Termination resistor	separately via M12 termination resistor
Connection	Programming connection
Number of positions	9
Connection method	D-SUB socket
Connection	M12 plug
Number of positions	5
Connection method	M12 connector, B-coded
Torque	0.4 Nm
Connection	M12 socket
Number of positions	5
Connection method	M12 connector, B-coded
Torque	0.4 Nm

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Classifications

eCl@ss

eCl@ss 4.0	272607xx
eCl@ss 4.1	27260701
eCl@ss 5.0	27143424
eCl@ss 5.1	27143424
eCl@ss 6.0	27143424
eCl@ss 7.0	27440209

ETIM

ETIM 3.0	EC001132
ETIM 4.0	EC001132
ETIM 5.0	EC001132

UNSPSC

UNSPSC 6.01	30211802
UNSPSC 7.0901	39121402
UNSPSC 11	39121402
UNSPSC 12.01	39121402
UNSPSC 13.2	39121402

Drawings

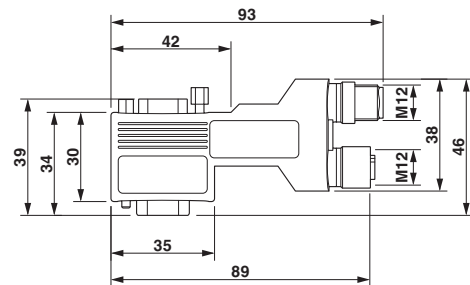### Block diagram
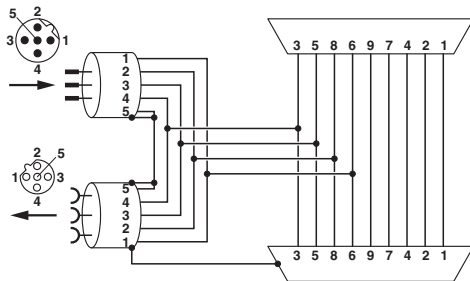
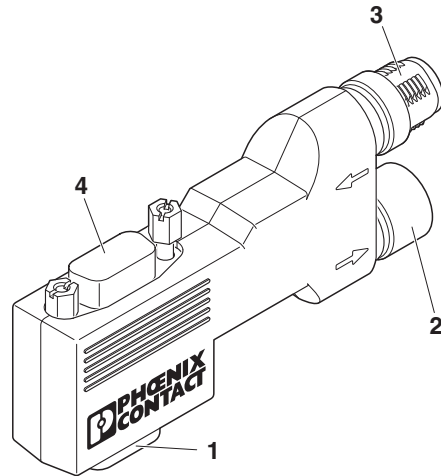SUBCON-PLUS-PROFIB/...M12 function block diagram

Dimensional drawing

SUBCON-PLUS...90X...M12 dimensional drawing, long 90° version

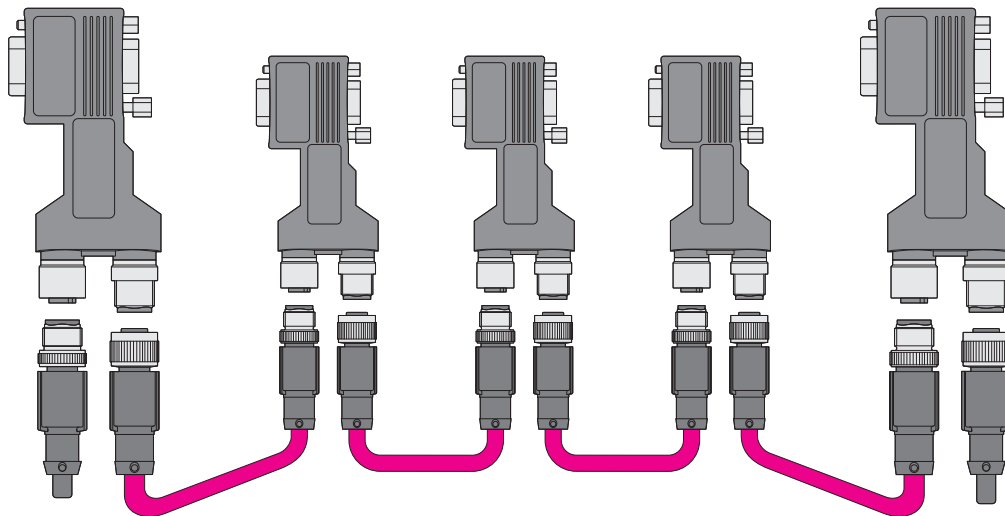# D-SUB bus connector - SUBCON-PLUS-PROFIB/90X/PG/M12 - 2902728

Schematic diagram

Function elements
1 = D-SUB 9
2 = Outgoing M12 connection
3 = Incoming M12 connection
4 = D-SUB PG connection (depending on the version)

Application drawing

Bus/Line structure