

Fast connection technology

SUBCON-PLUS-PROFIBUS D-SUB fast connection

PROFIBUS plugs with fast connection

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 product range includes nine fast connectors - the perfect solution for every PROFIBUS application:

- 35° and 90° angled cable entry
- Axial cable entry
- With an additional programming interface
- Integrated surge protection

The plugs can be used for PROFIBUS cables with massive as well as with stranded copper wires.

The termination 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.

In addition, the connector housing with high-quality shielding guarantees high immunity to interference even at maximum transmission speeds.

A special feature of the 35° angled connector is that the internal connection unit can be turned round. Whether the cable is to be inserted from the right or left can thus be decided on-site.

If it is not possible to use the angled version, the SUBCON-PLUS.../AX compact plug with axial cable entry can be used instead.

The plugs are designed to be used for all standard PROFIBUS cables with 8 mm external diameter (types A and B).



35° PROFIBUS connector plug, screw connection, reversible cable entry



General data	
Cable entry	35° (right or left)
Connection cross section (solid / stranded / AWG)	0.14 - 1.5 mm ² / 0.14 - 1 mm ² / 26 - 16
Insertion/withdrawal cycles	> 200
Cable cross section (max./min.)	8.4 mm / 7.6 mm
Ambient temperature (operation)	-20 °C ... 75 °C
Degree of protection	IP40
Housing material	ABS, metal-plated
Termination resistor	390 Ω / 220 Ω / 390 Ω (can be connected externally)
SUBCON fixing	4-40 UNC 0.4 Nm

Technical data		
35° (right or left)		
0.14 - 1.5 mm ² / 0.14 - 1 mm ² / 26 - 16		
> 200		
8.4 mm / 7.6 mm		
-20 °C ... 75 °C		
IP40		
ABS, metal-plated		
390 Ω / 220 Ω / 390 Ω (can be connected externally)		
4-40 UNC 0.4 Nm		

Description	
PROFIBUS connector , up to 12 Mbps, integrated termination resistor which can be activated externally, 9-pos. pin, pin assignment 3, 5, 6, 8	
- Angled 35°, screw connection	
- Angled 35°, screw connection with second D-SUB socket	
- Angled 35°, screw connection, with surge protection	
- Angled 90°, screw connection	
- Angled 90°, screw connection with second D-SUB socket	
- Angled 90°, IDC connection	
- Angled 90°, IDC connection with second D-SUB socket	
- Axial cable entry, screw connection	
- Axial cable entry, spring-cage connection	

Ordering data		
Type	Order No.	Pcs. / Pkt.
SUBCON-PLUS-PROFIB/SC2	2708232	1
SUBCON-PLUS-PROFIB/PG/SC2	2708245	1
D-UFB-PB	2880642	1

PROFIBUS cable, Fast Connect type , up to 12 Mbps, for permanent connection (02YSY (ST)CY 1X2X22 AWG) (length in meters as per customer specifications)
Quick stripping tool for PROFIBUS cable, Fast Connect type

Accessories		
PSM-CABLE-PROFIB/FC	2744652	1
PSM-STRIP-FC/PROFIB	2744623	1

