

Field bus components

FBCon SS DP PCG Term 24V

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The FBCon DP fieldbus distributors are used to couple 1 to 8 actuators, sensors or remote I/Os to a PROFIBUS network.

The branches (T-pieces) connect the individual bus components to the bus cable. The length of the branch cable depends on the transmission rate and should be as short as possible.

The total of all branch lengths for transmission rates up to 1.5 MBaud may not exceed 6.6 m.

The trunk line is run over EMC cable glands into an aluminium / stainless steel housing and connected using tension-clamp terminals.

The branch line to the device is connected using a B-coded M12 socket or an EMC cable gland.

Terminating resistors must be wired onto the start and end of the PROFIBUS-DP network. The Terminator modules can take care of this task.

The 24 V DC power supply is introduced via the right-hand cable gland. The housing features a pressure-compensation mechanism that counters the effects of climatic fluctuations.

The guidelines issued by the PROFIBUS user organisation must be observed during installation.

The distributors have the following characteristics:

- Tension-clamp connection system
- EMC cable gland
- M12 plug-in connectors

- External earthing contact
- Interruption-free bus operation
- Pressure-equalising element
- IP 66 protection class
- Stainless steel versions
- PROFIBUS-DP compatible

General ordering data

Type	FBCon SS DP PCG Term 24V
Order No.	8714240000
Version	Standard distributor with bus termination (active), Terminator, IP 66
GTIN (EAN)	4032248404704
Qty.	1 pc(s).

Data sheet

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Technical data

Dimensions and weights

Length	64 mm	Width	58 mm
Height	36 mm	Net weight	423 g

Temperatures

Operating temperature	-40 °C...+80 °C	Storage temperature	-40 °C...+80 °C
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Technical data

Cable gland	all connections PCG	Colour	Miscellaneous
Connection type PE	Spur line with cable gland	Protection degree	IP 66
Type of mounting	surface-mounted	Version	stainless steel enclosure

Classifications

ETIM 3.0	EC000214	UNSPSC	26-12-16-03
eClass 5.1	27-25-02-01	eClass 6.2	27-24-26-08
eClass 7.1	27-24-26-08		

Product information

Descriptive text ordering data	CG = brass cable gland PCG = plastic cable gland
Descriptive text technical data	FBcon products cannot be used in strongly saline environment.

Approvals

Approvals	
ROHS	Conform

Downloads

Declaration of Conformity	K328_01_10.pdf
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Drawings

