Data sheet

FBCON PA CG/M12 4WAY

Weidmüller Interface GmbH & Co. KG
Klingenbergstraße 26
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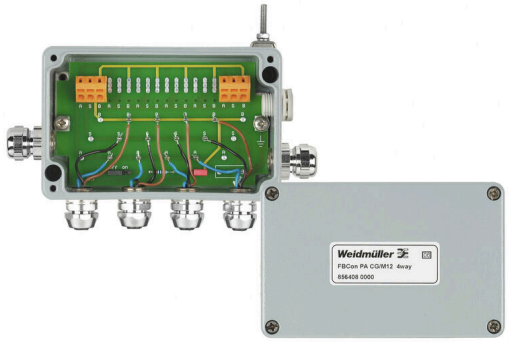
Germany

www.weidmueller.com



For standard industrial applications (non-hazardous areas), PROFIBUS PA junction boxes and limiters are available as 1-way, 2-way, 4-way, and 8-way distributors. FBCon limiters are designed to protect connected field devices from over voltages and short circuits. As voltage-limiting protective elements, suppressor diodes are used. Due to the integrated current limitation, the segment is also protected against short circuit on a spur line. EMC cable glands, protection class IP66 and a wide operating temperature range safely protect your connections in harsh environments.

Functionality

- EMC cable glands for trunk and spurs
- M12 connector for spurs
- External earthing stud
- Pressure equalizing element
- Protection class IP66
- Aluminium and stainless-steel versions
- Profibus PA / Foundation Fieldbus compatible

Note: The use of FBCon products with aluminum enclosures and / or M12 connectors is not recommended in strongly saline environments.

General ordering data

Version	Standard distributor with bus termination (active), 4-way distributor, IP65, IP66, Branch line M12, Round
Order No.	8564080000
Type	FBCON PA CG/M12 4WAY
GTIN (EAN)	4032248236718
Qty.	1 items

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Technical data

Approvals

Approvals	
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	37 mm	Height (inches)	1.4567 inch
Width	80 mm	Width (inches)	3.1496 inch
Net weight	567 g		

Temperatures

Storage temperature	-40 °C...80 °C	Ambient temperature	-40 °C...80 °C
Operating temperature	-40 °C...80 °C	Humidity	5...95 %, no condensation

Probability of failure

SIL in compliance with IEC 61508	None

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6c, 7cI
REACH SVHC	Lead 7439-92-1
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02

Connection data

Clamping range, min.	4 mm²	Clamping range, max.	6 mm²

Technical data

Number of poles	3	Cable glands	Brass cable gland
Connection type PE	M12 spur line	Contact carrier material	Brass
Type of distribution	4-way distributor	Number of contact sockets	4
Design of housing	With pressure compensation element	Housing main material	Aluminium, AlSi12, Aluminum
Cable entry	Branch line M12, Round	Contact material	CuZnAu
Conductor O.D., max.	9.5 mm	Conductor O.D., min.	6.5 mm
Type of mounting	surface-mounted	Protection degree	IP65, IP66
Pollution severity	3	Bus system	Profibus-PA, Foundation Fieldbus
Operating voltage	30 V	Housing surface	powder coating
Operating voltage Umax, max.	30 V DC		

Part description

Product description	The device is a passive field distributor for the fieldbus systems Profibus PA and Foundation Fieldbus H1. The device complies with protection class IP66/IP67. Functional description The device connects up to eight field devices with a fieldbus segment. The device supports earthing

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concepts with multi-point screen earthing or single-point screen earthing. The earthing concepts are explained in the Profibus PA and Foundation Fieldbus guidelines.

Classifications

ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	EC001604	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

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Drawings

