

FBCON PA CG 1WAY

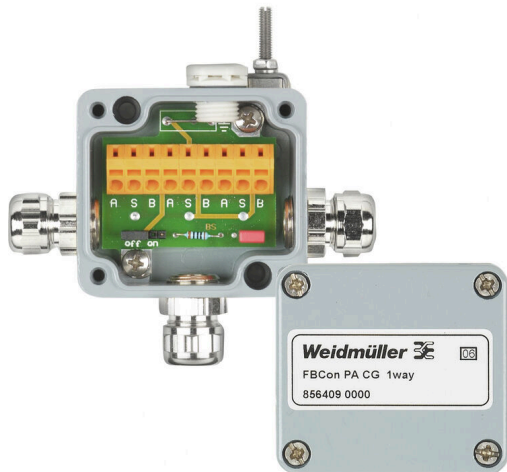
Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

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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), 1-way distributor, IP65, IP66
Order No.	8564090000
Type	FBCON PA CG 1WAY
GTIN (EAN)	4032248235711
Qty.	1 items

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Technical data
Approvals

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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	58 mm	Width (inches)	2.2835 inch
Net weight	262 g		

Temperatures

Storage temperature	-40 °C...80 °C	Ambient temperature	-40 °C...80 °C
Operating temperature	-40 °C...80 °C	Humidity	5 to 95 % (non-condensing)

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

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

Connection data

Clamping range, min.	4 mm ²	Clamping range, max.	6 mm ²
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Technical data

Number of poles	3	Cable glands	Brass cable gland
Connection type PE	Spur line with cable gland	Contact carrier material	Brass
Type of distribution	1-way distributor	Number of contact sockets	1
Design of housing	With pressure compensation element	Housing main material	Aluminium, AISi12, Aluminum
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 U _{max} , 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

Technical data

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

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