

FBCON PA CG 8WAY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

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), 8-way distributor, IP65, IP66, Round
Order No.	8564300000
Type	FBCON PA CG 8WAY
GTIN (EAN)	4032248287635
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	58 mm	Height (inches)	2.2835 inch
Width	80 mm	Width (inches)	3.1496 inch
Net weight	944 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)	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	Type of distribution	8-way distributor
Design of housing	With pressure compensation element	Housing main material	Aluminium, AISi12, Aluminum
Cable entry	Round	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

Classifications

ETIM 6.0	EC001604	ETIM 7.0	EC001604
ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	EC001604	ECLASS 9.0	27-24-26-08
ECLASS 9.1	27-24-26-08	ECLASS 10.0	27-24-26-08

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Technical data

ECLASS 11.0	27-24-26-08	ECLASS 12.0	27-44-01-11
ECLASS 13.0	27-44-01-11	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

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Drawings

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