

FBCON PA CG 2WAY**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), 2-way distributor, IP65, IP66, Round
Order No.	8564100000
Type	FBCON PA CG 2WAY
GTIN (EAN)	4032248236725
Qty.	1 pc(s).

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Technical data

Dimensions and weights

Height	37 mm	Height (inches)	1.457 inch
Width	64 mm	Width (inches)	2.52 inch
Net weight	349 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
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Connection data

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

Bus system	Profibus-PA, Foundation Fieldbus	Cable entry	Round
Cable glands	Brass cable gland	Conductor O.D., max.	9.5 mm
Conductor O.D., min.	6.5 mm	Connection type PE	Spur line with cable gland
Contact carrier material	Brass	Contact material	CuZnAu
Design of housing	With pressure compensation element	Housing main material	Aluminium, AlSi12, Aluminium
Housing surface	powder coating	Number of contact sockets	2
Number of poles	3	Operating voltage	10 ... 31 V DC, 30 V UC
Operating voltage U _{max} , max.	30 V DC	Pollution severity	3
Protection degree	IP65, IP66	Type of distribution	2-way distributor
Type of mounting	surface-mounted		

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
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		

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

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www.weidmueller.com**Technical data****Approvals**

Approvals



Approvals MAMID	https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/
ROHS	Conform
UL File Number Search	UL Website
Certificate no. (cULus)	E141197

Downloads

Approval/Certificate/Document of Conformity	Certification UL for Canada Certification UL for US
Engineering Data	CAD data – STEP
Product Change Notification	20220208 Technical change to FBCon field distributors (passive, with aluminum housings)
Software	WI-Segment-Calculator
User Documentation	Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch FBCon Segment Calculator_english Instruction sheet
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings

