

FBCON PA CG 1WAY

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

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Technical data

Dimensions and weights

Height	37 mm	Height (inches)	1.457 inch
Width	58 mm	Width (inches)	2.283 inch
Length	64 mm	Length (inches)	2.52 inch
Net weight	262 g		

Temperatures

Storage temperature	-40 °C...80 °C	Ambient temperature	-40 °C...80 °C
Operating temperature	-40 °C...80 °C		

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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Technical properties

Protection degree	IP66
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Technical data

Bus system	Profibus-PA, Foundation Fieldbus	Cable entry	Brass cable gland
Conductor O.D.	5.5 - 9.5mm	Conductor O.D., max.	9.5 mm
Conductor O.D., min.	5.5 mm	Connection type PE	Spur line with cable gland
Contact carrier material	Brass	Contact material	CuZnAu
Housing main material	Aluminium, AlSi12	Number of contact sockets	1
Type of distribution	1-way distributor	Type of mounting	surface-mounted
Colour	grey	Housing main material	Aluminium, AlSi12
Protection degree	IP66	Type of mounting	surface-mounted

Classifications

ETIM 6.0	EC001604	ETIM 7.0	EC001604
ETIM 8.0	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		

Approvals

Approvals



ROHS	Conform
UL File Number Search	E141197

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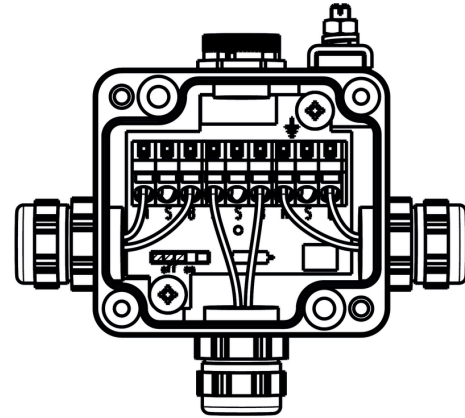
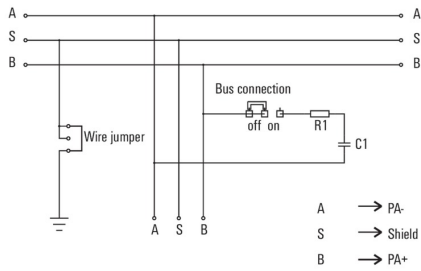
Approval/Certificate/Document of Conformity	Certification EAC Certification UL
Software	Software unit – WI-Segment-Calculator
User Documentation	assembly instruction german / english Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch FBCon Segment Calculator_english
Catalogues	Catalogues in PDF-format
Brochures	

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Drawings



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Accessories

M12



Protective caps protect unassigned plug-in stations against external influences.

General ordering data

Type	SAI-SK-M12	Version
Order No.	9456050000	Protected component assemblies, Protective cap
GTIN (EAN)	4008190304058	
Qty.	30 pc(s).	

Neoprene flat gasket - GWDR NP



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

General ordering data

Type	GWDR PG9-NP	Version
Order No.	1719550000	GWDR NP (flat gasket - neoprene), Sealing ring, PG 9, Neoprene
GTIN (EAN)	4008190352813	
Qty.	100 pc(s).	

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Accessories

IP68 version



In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications. The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure. Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

General ordering data

Type	VG M16 - MS 68	Version
Order No.	1772210000	VG MS (standard brass cable gland), Cable glands, M 16, 7 mm, OD
GTIN (EAN)	4032248129867	min. 4 - OD max. 8 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.),
Qty.	50 pc(s).	IP69K, Brass, nickel-plated
Type	VG 9-MS68	Version
Order No.	1569070000	VG MS (standard brass cable gland), Cable glands, PG 9, 6 mm, OD
GTIN (EAN)	4008190116262	min. 4 - OD max. 8 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.),
Qty.	50 pc(s).	IP69K, Brass, nickel-plated

Brass blanking plugs, round head IND



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

General ordering data

Type	VP 9-MS65	Version
Order No.	0294700000	VPMS (blanking plug in brass), Blanking plug, PG 9, 5 mm, Brass,
GTIN (EAN)	4008190005887	nickel-plated
Qty.	100 pc(s).	

Mouser Electronics

Authorized Distributor

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