

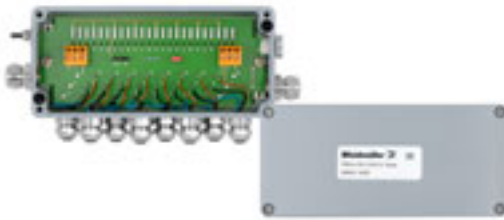
**FBCON PA CG/M12 8WAY****Weidmüller Interface GmbH & Co. KG**

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, 8-way distributor, IP66, Branch line M12
Order No.	<a href="#">8564310000</a>
Type	FBCON PA CG/M12 8WAY
GTIN (EAN)	4032248287642
Qty.	1 pc(s).

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## Technical data

## Dimensions and weights

Height	58 mm	Height (inches)	2.283 inch
Width	80 mm	Width (inches)	3.15 inch
Length	175 mm	Length (inches)	6.89 inch
Net weight	908 g		

## Temperatures

Storage temperature	-40 °C...80 °C	Ambient temperature	-40 °C...75 °C
Operating temperature	-40 °C...75 °C		

## Technical data

Bus system	Profibus-PA, Foundation Fieldbus	Cable entry	Branch line M12
Cable glands	Brass cable gland	Connection type PE	M12 spur line
Design of housing	With pressure compensation element	Housing main material	Aluminium, AlSi12, Aluminium
Housing surface	powder coating	Operating voltage	10 ... 31 V DC
Operating voltage $U_{max}$ , max.	32 V	Pollution severity	3
Protection degree	IP66	Type of distribution	8-way distributor
Type of mounting	surface-mounted		

## Classifications

ETIM 6.0	EC001604	ETIM 7.0	EC001604
ETIM 8.0	EC001604	ETIM 9.0	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

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02

## Approvals

Approvals



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

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## Technical data

### Downloads

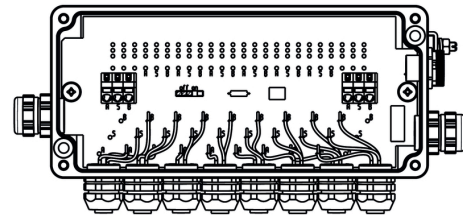
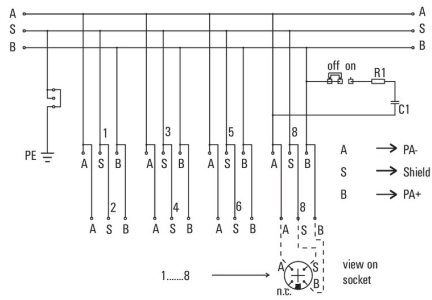
Approval/Certificate/Document of Con- formity	<a href="#">Certification UL for Canada</a> <a href="#">Certification UL for US</a>
Engineering Data	<a href="#">CAD data – STEP</a>
Product Change Notification	<a href="#">20220208 Technical change to FBCon field distributors (passive, with aluminum housings)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

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## Drawings



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****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.	<a href="#">0294700000</a>	VPMS (blanking plug in brass), Blanking plug, in closed state, PG 9, 5
GTIN (EAN)	4008190005887	mm, Brass, nickel-plated
Qty.	100 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.	<a href="#">1719550000</a>	GWDR NP (flat gasket - neoprene), Sealing ring, PG 9, Neoprene
GTIN (EAN)	4008190352813	
Qty.	100 pc(s).	

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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.	<a href="#">9456050000</a>	Protected component assemblies, Protective cap
GTIN (EAN)	4008190304058	
Qty.	30 pc(s).	

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

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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****PVC/PE black (FBC)****PVC**

The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

Type	FBC PA M12 M 2M	Version
Order No.	<a href="#">1785120200</a>	Bus line, One end without connector, M12, Number of poles: 2, 2 m,
GTIN (EAN)	4032248194803	pin, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen:
Qty.	1 pc(s).	Yes