

**FBCON PA CG/M12 1WAY LIMITER****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

Do not use product for new  
developments



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 current limiting, 1-channel distributor LIMITER, IP66, Branch line M12
Order No.	<a href="#">8714160000</a>
Type	FBCON PA CG/M12 1WAY LIMITER
GTIN (EAN)	4032248398225
Qty.	1 pc(s).
Delivery status	<b>This article will no longer be available in the future.</b>
Available until	2024-01-14
Alternative product	<a href="#">2617180000</a>

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## Technical data

## Dimensions and weights

Height	36 mm	Height (inches)	1.417 inch
Width	58 mm	Width (inches)	2.283 inch
Length	64 mm	Length (inches)	2.52 inch
Net weight	257 g		

## Temperatures

Storage temperature	-40 °C...80 °C	Operating temperature	-40 °C...55 °C
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## Technical data

Bus system	Profibus-PA, Foundation Fieldbus	Cable entry	Branch line M12
Cable glands	Brass cable gland	Connection type PE	M12 spur line
Current limiting	adjustable, 20 mA, 40 mA, 60 mA	Design of housing	With pressure compensation element
Housing main material	Aluminium, AlSi12	Housing surface	powder coating
Operating voltage $U_{max}$ , max.	18 V DC $\pm 20\%$	Protection degree	IP66
Type of distribution	1-channel distributor LIMITER	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

ROHS	Conform
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## Downloads

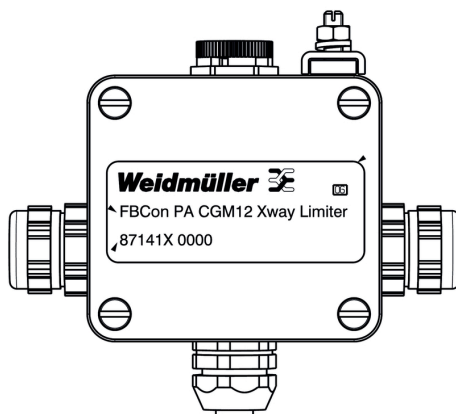
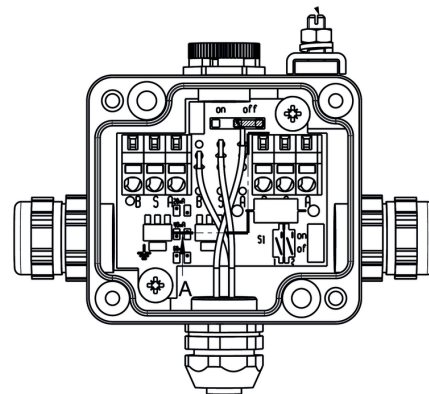
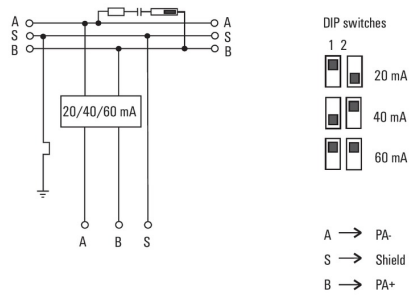
Approval/Certificate/Document of Conformity	<a href="#">Application notes – Certification UL</a> <a href="#">Application notes – Declaration of Conformity.pdf</a>
Software	<a href="#">Runtime Software – WI-Segment-Calculator</a>
User Documentation	<a href="#">Quick start guide – assembly instruction german / english</a> <a href="#">Quick start guide – Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch</a> <a href="#">Device description – FBCon Segment Calculator_english</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****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).	

**PVC/PE black (FBC)**

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, pin, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen:
GTIN (EAN)	4032248194803	
Qty.	1 pc(s).	Yes

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