#### **FBCON PA CG 4WAY 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, 4-chan- nel distributor LIMITER, IP66	
Order No.	<u>8714220000</u>	
Туре	FBCON PA CG 4WAY LIMITER	
GTIN (EAN)	4032248398324	
Qty.	1 items	
Delivery status	This article will no longer be available in the future	
Available until	2024-01-14T00:00:00+01:00	
Alternative product	FBCON PA CG 4WAY LIMITER	

Catalogue status / Drawings







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27-24-26-08

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# **Technical data**

ROHS	Conform			
Dimensions and weights			,	
Height	58 mm	Height (inches)	2.2835 inch	
Width	80 mm	Width (inches)	3.1496 inch	
Length	125 mm	Length (inches)	4.9212 inch	
Net weight	688 g			
Temperatures		,	,	
Storage temperature	-40 °C80 °C	Operating temperature	-40 °C55 °C	
Environmental Product Compl	liance		'	
RoHS Compliance Status	Compliant with exemption			
RoHS Exemption (if applicable/known)	6c, 7a, 7cl			
REACH SVHC	Lead 7439-92-1			
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02			
Technical data				
Cable glands	Brass cable gland	Connection type PE	Spur line with cable glar	
Type of distribution	4-channel distributor LIMITER	Design of housing	With pressure compensation element	
Housing main material	Aluminium, AlSi12	Type of mounting	surface-mounted	
Protection degree	IP66	Bus system	Profibus-PA, Foundation Fieldbus	
Current limiting	adjustable, 20 mA, 40 mA, 60 mA	Housing surface	powder coating	
Operating voltage Umax, max.	18 V DC ±20%			
Part description				
Product description	The device is an active field distributor for the fieldbus systems Profibus PA and Foundation Fieldbus H1. The device complies with protection class IP66/IP67. Functional description The device connects up to eight field devices with one fieldbus segment. An adjustable current monitoring per spur line protects the trunk line from short circuits or overload (see figure B1). Suppressor diodes protect the connected field devices from surge voltages. A red LED indicates a short circuit or overload on the spur line. A green LED indicates sufficient voltage supply on the trunk line. The device supports earthing concepts with multi-point screen earthing or single-point screen earthing. The earthing concepts are explained in the Profibus PA and Foundation Fieldbus guidelines.			
Classifications				
ETIMA C.O.	F0001004	ETIMA 7.0	F0001004	
ETIM 6.0 ETIM 8.0	EC001604 EC001604	ETIM 7.0 ETIM 9.0	EC001604 EC001604	
		FINA 9 (1)		

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ETIM 10.0

ECLASS 9.1

ECLASS 11.0

ECLASS 13.0

ECLASS 15.0

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ECLASS 9.0

ECLASS 10.0

ECLASS 12.0

ECLASS 14.0

EC001604

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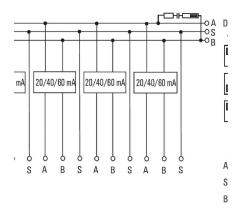
### **FBCON PA CG 4WAY LIMITER**

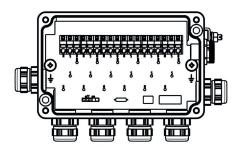
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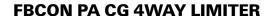
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# **Drawings**









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## **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
Order No. 0294700000
GTIN (EAN) 4008190005887
Oty. 100 ST

Version
VPMS (blanking plug in brass), Blanking plug, in closed state, PG 9, 5

mm, Brass, nickel-plated

#### **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.
 1569070000
 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 ST
 min.), IP69K, Brass, nickel-plated

#### Neoprene flat gasket - GWDR NP



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#### **General ordering data**

100 ST

Qty.

 Type
 GWDR PG9-NP
 Version

 Order No.
 1719550000
 GWDR NP (flat gasket - neoprene), Sealing ring, PG 9, Neoprene

 GTIN (EAN)
 4008190352813

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#### **General ordering data**

Type VG M16 - MS 68
Order No. 1772210000
GTIN (EAN) 4032248129867
Oty. 50 ST

Version

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

#### M12



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

#### **General ordering data**

Type SAI-SK-M12
Order No. 9456050000
GTIN (EAN) 4008190304058
Otv. 30 ST

Version

Protected component assemblies, Protective cap

#### **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, DeviceNetTM, EtherCAT and Ethernet.

#### **General ordering data**

Type FBC PA M12 M 2M Version
Order No. 1785120200 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:
Oty. 1 ST Yes

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