Weidmüller ⨝

FBCON PA CG 4WAY LIMITER

Weidmüller Interface GmbH & Co. KG

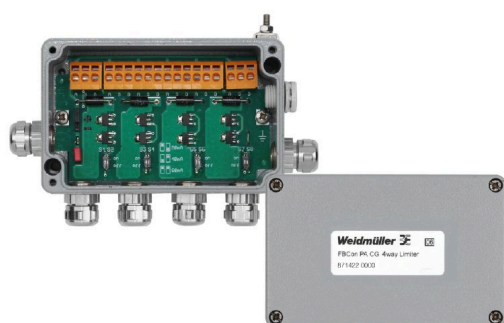Klingenbergstraße 26

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Germany

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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-channel distributor LIMITER, IP66
Order No.	8714220000
Type	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

FBCON PA CG 4WAY LIMITER

Technical data

Approvals

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 °C...80 °C	Operating temperature	-40 °C...55 °C

Environmental Product Compliance

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 gland
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

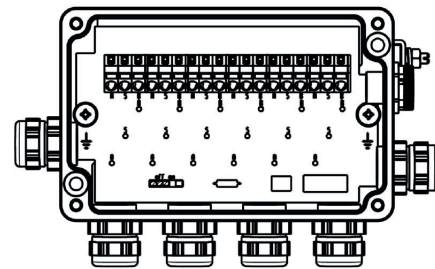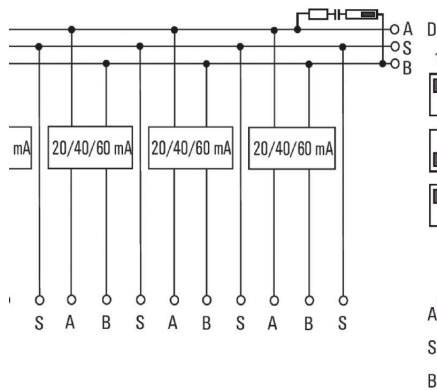|	
Product description	The device is an active field distributor for the fieldbus systems Profibus PA and Foundation Fieldbus H1. The device complies with protection class IP66/IP67. Functional description The device connects up to eight field devices with one fieldbus segment. An adjustable current 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

ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	EC001604	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

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Drawings

FBCON PA CG 4WAY LIMITER

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.	0294700000	VPMS (blanking plug in brass), Blanking plug, in closed state, PG 9, 5	
GTIN (EAN)	4008190005887	mm, Brass, nickel-plated	
Qty.	100 ST		

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

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 ST		

Creation date 10.12.2025 08:51:21 MEZ

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General ordering data

Type	VG M16 - MS 68	Version
Order No.	1772210000	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 ST	min.), IP69K, Brass, nickel-plated

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 ST	

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:
Qty.	1 ST	Yes