

FBCON PA CG/M12 1WAY EX

Weidmüller Interface GmbH & Co. KG
 Klingenbergstraße 26
 D-32758 Detmold
 Germany

www.weidmueller.com



For applications in hazardous areas, PROFIBUS PA Ex junction boxes are available as 1-way, 2-way, 4-way, and 8-way distributors.

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
- Protection class IP66
- Aluminium versions
- Profibus PA 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 for Ex applications EEx(ia), 1-way distributor EEx, IP66
Order No.	8564150000
Type	FBCON PA CG/M12 1WAY EX
GTIN (EAN)	4032248238521
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2025-11-30T00:00:00+01:00

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Technical data

Approvals

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ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

Dimensions and weights

Depth	34 mm	Depth (inches)	1.3386 inch
Height	37 mm	Height (inches)	1.4567 inch
Width	58 mm	Width (inches)	2.2835 inch
Length	64 mm	Length (inches)	2.5197 inch
Net weight	257 g		

Temperatures

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

Probability of failure

SIL in compliance with IEC 61508 None

Environmental Product Compliance

RoHS Compliance Status	Compliant with exemption
RoHS Exemption (if applicable/known)	6bl, 6c, 7cl
REACH SVHC	Lead 7439-92-1
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02

Technical data

Number of poles	3	Connection type PE	M12 spur line
Contact carrier material	Brass	Type of distribution	1-way distributor EEx
Number of contact sockets	1	Design of housing	With pressure compensation element
Housing main material	Aluminium, AlSi12	Cable entry	Brass cable gland, Branch line M12
Contact material	CuZnAu	Conductor O.D., max.	9.5 mm
Conductor O.D., min.	6.5 mm	Type of mounting	surface-mounted, Front mounting
Protection degree	IP66	Pollution severity	2
Bus system	Profibus-PA, Foundation Fieldbus		

Part description

Product description

The device is a passive field distributor for the fieldbus systems Profibus PA and Foundation Fieldbus H1. The device is approved for use in explosive risk zones in Zone 1 or Zone 2. The device is certified according to FISCO (Fieldbus Intrinsically Safe Concept). Functional description The device connects up to eight intrinsically safe FISCO field devices of explosion protection type Ex-ia with an intrinsically safe fieldbus segment of the same explosion protection type. 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.

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Technical data

Classifications

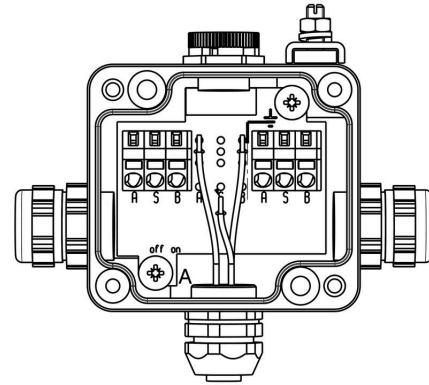
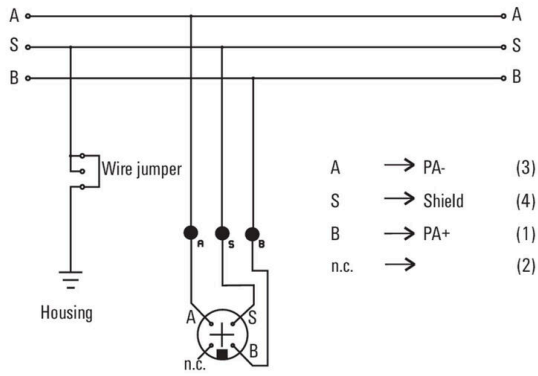
ETIM 8.0	EC001604	ETIM 9.0	EC001604
ETIM 10.0	EC001604	ECLASS 14.0	27-44-01-11
ECLASS 15.0	27-44-01-11		

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Drawings

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FBCON PA CG/M12 1WAY EX

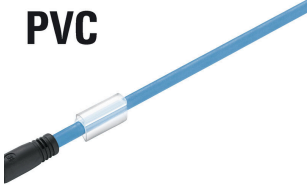
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Accessories

PVC/PE blue (FBCEX)

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	FBCEX PA M12 M 2M	Version	
Order No.	1785150200	Bus line, One end without connector, M12, Number of poles: 2, 2 m,	
GTIN (EAN)	4032248195022	pin, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen:	
Qty.	1 ST	Yes	