

FBCON PA CG/M12 2WAY EX

Weidmüller Interface GmbH & Co. KG
Klingenbergsstraße 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), 2-way distributor EEx, IP66
Order No.	8564160000
Type	FBCON PA CG/M12 2WAY EX
GTIN (EAN)	4032248238538
Qty.	1 items
Delivery status	This article will no longer be available in the future.
Available until	2025-11-30T00:00:00+01:00

FBCON PA CG/M12 2WAY EX

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

www.weidmueller.com

Technical data

Approvals

Approvals



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	64 mm	Width (inches)	2.5197 inch
Length	98 mm	Length (inches)	3.8583 inch
Net weight	339 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	all connectors with plastic cable gland
Contact carrier material	Brass	Type of distribution	2-way distributor EEx
Number of contact sockets	2	Design of housing	With pressure compensation element
Housing main material	Aluminium, AISI12	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
---------------------	---

FBCON PA CG/M12 2WAY EX

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

www.weidmueller.com

Technical data

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.

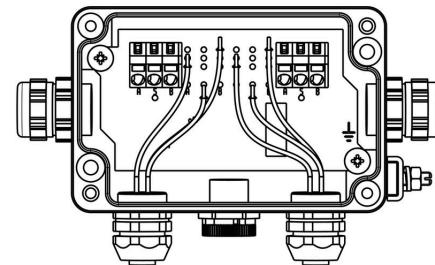
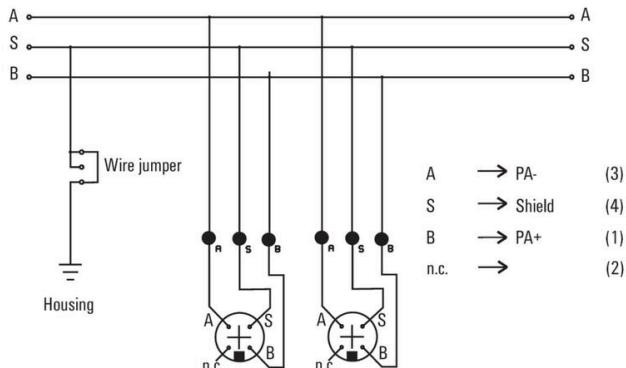
Classifications

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		

FBCON PA CG/M12 2WAY EX

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

www.weidmueller.com

Drawings

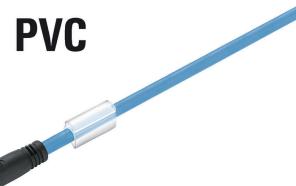
FBCON PA CG/M12 2WAY EX

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

www.weidmueller.com

Accessories

PVC/PE blue (FBCEX)



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