

FBCON PA CG 8WAY 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), 8-way distributor EEx, IP66
Order No.	856424000
Type	FBCON PA CG 8WAY EX
GTIN (EAN)	4032248287611
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	58 mm	Height (inches)	2.2835 inch
Width	80 mm	Width (inches)	3.1496 inch
Length	175 mm	Length (inches)	6.8898 inch
Net weight	943 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	Type of distribution	8-way distributor EEx
Number of contact sockets	8	Design of housing	With pressure compensation element
Housing main material	Aluminium, AlSi12	Cable entry	Brass cable gland
Conductor O.D., max.	9.5 mm	Conductor O.D., min.	6.5 mm
Type of mounting	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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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

