

## 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.       | <a href="#">8564150000</a>  |
| 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

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      | 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

[www.weidmueller.com](http://www.weidmueller.com)

