

## FBCON SS CG 1WAY

Weidmüller Interface GmbH & Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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 bus termination (active), 1-way distributor, IP65, IP66, Round |
| Order No.  | <a href="#">8703430000</a>   |
| Type       | FBCON SS CG 1WAY   |
| GTIN (EAN) | 4032248398348  |
| Qty.       | 1 items  |

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## Technical data

## Approvals

Approvals



ROHS Conform

UL File Number Search [UL Website](#)

Certificate no. (cULus) E141197

## Dimensions and weights

|            |         |                 |             |
|------------|---------|-----------------|-------------|
| Depth      | 47.5 mm | Depth (inches)  | 1.8701 inch |
| Height     | 36 mm   | Height (inches) | 1.4173 inch |
| Width      | 58 mm   | Width (inches)  | 2.2835 inch |
| Net weight | 451 g   |                 |             |

## Temperatures

|                       |                |                     |                           |
|-----------------------|----------------|---------------------|---------------------------|
| Storage temperature   | -40 °C...80 °C | Ambient temperature | -40 °C...80 °C            |
| Operating temperature | -40 °C...80 °C | Humidity            | 5...95 %, no condensation |

## Probability of failure

SIL in compliance with IEC 61508 None

## Environmental Product Compliance

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

## Connection data

|                      |                   |                      |                   |
|----------------------|-------------------|----------------------|-------------------|
| Clamping range, min. | 4 mm <sup>2</sup> | Clamping range, max. | 6 mm <sup>2</sup> |
|----------------------|-------------------|----------------------|-------------------|

## Technical data

|                      |                                    |   |                                       |
|----------------------|------------------------------------|---|---------------------------------------|
| Number of poles      | 3                                  | Cable glands                              | Stainless steel cable gland           |
| Connection type PE   | Spur line with cable gland         | Type of distribution                      | 1-way distributor                     |
| Design of housing    | With pressure compensation element | Housing main material                     | Stainless steel, rust-proof, Aluminum |
| Cable entry          | Round                              | Conductor O.D., max.                      | 9.5 mm                                |
| Conductor O.D., min. | 6.5 mm                             | Type of mounting                          | surface-mounted                       |
| Protection degree    | IP65, IP66                         | Pollution severity                        | 3                                     |
| Bus system           | Profibus-PA, Foundation Fieldbus   | Operating voltage                         | 30 V                                  |
| Housing surface      | polished                           | Operating voltage U <sub>max</sub> , max. | 30 V DC                               |

## Part description

Product description The device is a passive 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 a fieldbus segment. 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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