

**FBCON SS CG 1WAY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 pc(s).                                                                                 |

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Height     | 36 mm | Height (inches) | 1.417 inch |
| Width      | 58 mm | Width (inches)  | 2.283 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 |
|----------------------------------|------|

## Connection data

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

## Technical data

|                      |                                    |                                           |                                       |
|----------------------|------------------------------------|-------------------------------------------|---------------------------------------|
| Bus system           | Profibus-PA, Foundation Fieldbus   | Cable entry                               | Round                                 |
| Cable glands         | Stainless steel cable gland        | Conductor O.D., max.                      | 9.5 mm                                |
| Conductor O.D., min. | 6.5 mm                             | Connection type PE                        | Spur line with cable gland            |
| Design of housing    | With pressure compensation element | Housing main material                     | Stainless steel, rust-proof, Aluminum |
| Housing surface      | polished                           | Number of poles                           | 3                                     |
| Operating voltage    | 10 ... 31 V DC, 30 V UC            | Operating voltage U <sub>max</sub> , max. | 30 V DC                               |
| Pollution severity   | 3                                  | Protection degree                         | IP65, IP66                            |
| Type of distribution | 1-way distributor                  | Type of mounting                          | surface-mounted                       |

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC001604    | ETIM 7.0    | EC001604    |
| ETIM 8.0    | EC001604    | ETIM 9.0    | EC001604    |
| ETIM 10.0   | EC001604    | ECLASS 9.0  | 27-24-26-08 |
| ECLASS 9.1  | 27-24-26-08 | ECLASS 10.0 | 27-24-26-08 |
| ECLASS 11.0 | 27-24-26-08 | ECLASS 12.0 | 27-44-01-11 |
| ECLASS 13.0 | 27-44-01-11 | ECLASS 14.0 | 27-44-01-11 |
| ECLASS 15.0 | 27-44-01-11 |             |             |

## 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 |

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Approvals



|                         |                                                                                                                                                                             |
|-------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approvals MAMID         | <a href="https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/">https://mdcop.weidmueller.com/mediadelivery/rendition/900_319228/-T1z1mm-S800/</a> |
| ROHS                    | Conform                                                                                                                                                                     |
| UL File Number Search   | UL Website                                                                                                                                                                  |
| Certificate no. (cULus) | E141197                                                                                                                                                                     |

**Downloads**

|                                             |                                                                                                                                                                                                  |
|---------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Certification UL for Canada</a><br><a href="#">Certification UL for US</a>                                                                                                           |
| Engineering Data                            | <a href="#">CAD data – STEP</a>                                                                                                                                                                  |
| Product Change Notification                 | <a href="#">20220208 Technical change to FBCon field distributors (passive, with stainless steel housings)</a>                                                                                   |
| Software                                    | <a href="#">WI-Segment-Calculator</a>                                                                                                                                                            |
| User Documentation                          | <a href="#">Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch</a><br><a href="#">FBCon Segment Calculator_english</a><br><a href="#">Instruction sheet</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                         |
| Brochures                                   |                                                                                                                                                                                                  |

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## Drawings

