

FBCON SS PCG 1WAY LIMITER**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 | , 1-channel distributor LIMITER, IP66, IP67 |
| Order No. | 2653670000 |
| Type | FBCON SS PCG 1WAY LIMITER |
| GTIN (EAN) | 4064675267218 |
| Qty. | 1 pc(s). |

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Technical data

Dimensions and weights

| | | | |
|------------|----------|-----------------|-----------|
| Height | 47.5 mm | Height (inches) | 1.87 inch |
| Width | 79.5 mm | Width (inches) | 3.13 inch |
| Length | 79.5 mm | Length (inches) | 3.13 inch |
| Net weight | 329.63 g | | |

Temperatures

| | | | |
|---------------------|----------------|-----------------------|----------------|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...75 °C |
|---------------------|----------------|-----------------------|----------------|

Technical data

| | | | |
|------------------------------------|---|-----------------------|---------------------------------------|
| Bus system | Profibus-PA, Foundation Fieldbus | Cable glands | Plastic screwed cable gland |
| Connection type PE | all connectors with plastic cable gland | Current limiting | adjustable, 20 mA, 40 mA, 60 mA |
| Design of housing | With pressure compensation element | Housing main material | Stainless steel, rust-proof, Aluminum |
| Housing surface | polished | Operating voltage | 10 ... 31 V DC |
| Operating voltage U_{max} , max. | 32 V | Pollution severity | 3 |
| Protection degree | IP66, IP67 | Type of distribution | 1-channel distributor LIMITER |
| Type of mounting | surface-mounted | | |

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 6.0 | EC001604 | ETIM 7.0 | EC001604 |
| ETIM 8.0 | EC001604 | ETIM 9.0 | 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 |

Environmental Product Compliance

| | |
|------------|----------------|
| REACH SVHC | Lead 7439-92-1 |
|------------|----------------|

Approvals

Approvals



| | |
|-------------------------|------------|
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |

Downloads

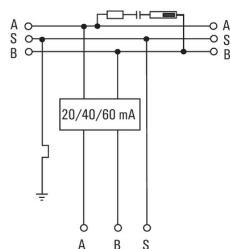
| | |
|---|---|
| Approval/Certificate/Document of Conformity | Certification UL for Canada Certification UL for US Declaration of Conformity |
| Engineering Data | CAD data – STEP |
| User Documentation | FBCon Segment Calculator_english Instruction sheet |
| Catalogues | Catalogues in PDF-format |

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Drawings



DIP switches

| 1 | 2 | Current |
|---|---|---------|
| | | 20 mA |
| | | 40 mA |
| | | 60 mA |

A → PA-
S → Shield
B → PA+

