

FBCON SS PCG 4WAY

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), 4-way distributor, IP65, IP66, Round |
| Order No. | 8613680000 |
| Type | FBCON SS PCG 4WAY |
| GTIN (EAN) | 4032248316977 |
| 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 | 62.5 mm | Depth (inches) | 2.4606 inch |
| Height | 36 mm | Height (inches) | 1.4173 inch |
| Width | 80 mm | Width (inches) | 3.1496 inch |
| Net weight | 764 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 ² | Clamping range, max. | 6 mm ² |
|----------------------|-------------------|----------------------|-------------------|

Technical data

| | | | |
|----------------------|---|---|---------------------------------------|
| Number of poles | 3 | Cable glands | Plastic screwed cable gland |
| Connection type PE | all connectors with plastic cable gland | Type of distribution | 4-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 _{max} , max. | 30 V DC |

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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