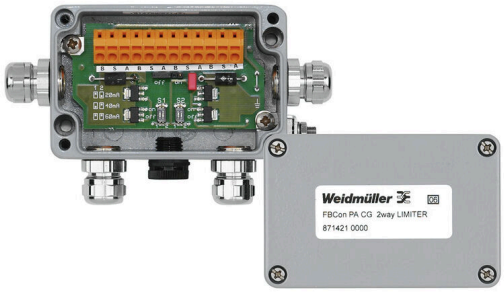
Data sheet

# FBCON PA CG 2WAY LIMITER

**Weidmüller Interface GmbH & Co. KG**
Klingenbergstraße 26
D-32758 Detmold
Germany

www.weidmueller.com

Do not use product for new developments




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 current limiting, 2-channel distributor LIMITER, IP66 |
| Order No. | 8714210000 |
| Type | FBCON PA CG 2WAY LIMITER |
| GTIN (EAN) | 4032248398294 |
| Qty. | 1 items |
| Delivery status | Discontinued |
| Last order date | 2024-01-14T00:00:00+01:00 |
| Alternative product | FBCON PA CG 2WAY LIMITER |



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## Technical data

### Approvals

| | |
|---|---|
| ROHS | Conform |

### Dimensions and weights

| | | | |
|---|---|---|---|
| Height | 36 mm | Height (inches) | 1.4173 inch |
| Width | 64 mm | Width (inches) | 2.5197 inch |
| Length | 98 mm | Length (inches) | 3.8583 inch |
| Net weight | 352 g | | |

### Temperatures

| | | | |
|---|---|---|---|
| Storage temperature | -40 °C...80 °C | Operating temperature | -40 °C...55 °C |

### Environmental Product Compliance

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

### Technical data

| | | | |
|---|---|---|---|
| Cable glands | Brass cable gland | Connection type PE | Spur line with cable gland |
| Type of distribution | 2-channel distributor LIMITER | Design of housing | With pressure compensation element |
| Housing main material | Aluminium, AlSi12 | Type of mounting | surface-mounted |
| Protection degree | IP66 | Bus system | Profibus-PA, Foundation Fieldbus |
| Current limiting | adjustable, 20 mA, 40 mA, 60 mA | Housing surface | powder coating |
| Operating voltage Umax, max. | 18 V DC ±20% | | |

### Part description

| | |
|---|---|
| Product description | The device is an active 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 one fieldbus segment. An adjustable current monitoring per spur line protects the trunk line from short circuits or overload (see figure B1). Suppressor diodes protect the connected field devices from surge voltages. A red LED indicates a short circuit or overload on the spur line. A green LED indicates sufficient voltage supply on the trunk line. 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. |

### 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 | | |



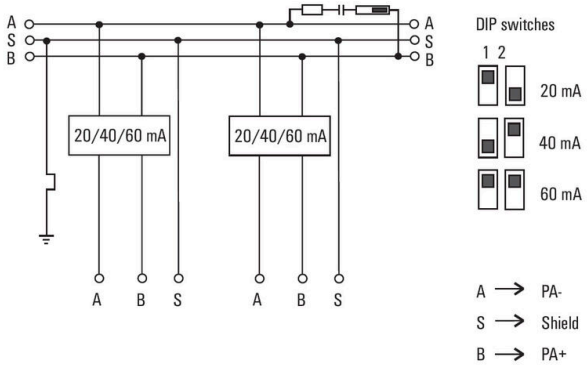
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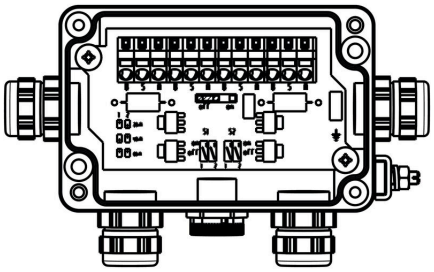
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## Drawings





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