

FBCON PA CG 4WAY

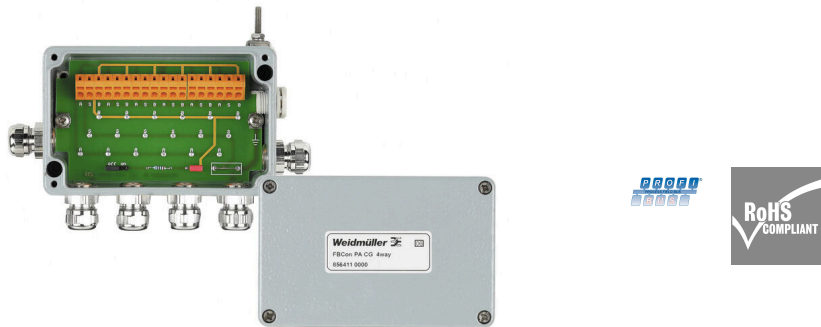
Weidmüller Interface GmbH & Co. KG

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. | 8564110000 |
| Type | FBCON PA CG 4WAY |
| GTIN (EAN) | 4032248235704 |
| 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 | 34 mm | Depth (inches) | 1.3386 inch |
| Height | 37 mm | Height (inches) | 1.4567 inch |
| Width | 80 mm | Width (inches) | 3.1496 inch |
| Net weight | 684 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) | 6bl, 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 | Brass cable gland |
| Connection type PE | Spur line with cable gland | Contact carrier material | Brass |
| Type of distribution | 4-way distributor | Number of contact sockets | 4 |
| Design of housing | With pressure compensation element | Housing main material | Aluminium, AlSi12, Aluminum |
| Cable entry | Round | Contact material | CuZnAu |
| 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 | powder coating |
| Operating voltage U _{max} , 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

Technical data

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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Accessories

Brass blanking plugs, round head IND



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

General ordering data

| | | | |
|------------|----------------------------|------------------------------------------------------------------------|--|
| Type | VP 9-MS65 | Version | |
| Order No. | 0294700000 | VPMS (blanking plug in brass), Blanking plug, in closed state, PG 9, 5 | |
| GTIN (EAN) | 4008190005887 | mm, Brass, nickel-plated | |
| Qty. | 100 ST | | |

IP68 version



In addition to the extensive range of enclosures, Weidmüller offers a variety of cable glands for a wide range of applications. The cable glands made of brass, plastic and stainless steel meet the most various IP protection classes to suit any industrial enclosure. Depending on the series of cable glands and the application, the cable glands are approved and tested according to VDE, UL, UR, cULus, DNV GL or EN 45545.

General ordering data

| | | | |
|------------|----------------------------|---------------------------------------------------------------------|--|
| Type | VG 9-MS68 | Version | |
| Order No. | 1569070000 | VG MS (standard brass cable gland), Cable glands, straight, PG 9, 6 | |
| GTIN (EAN) | 4008190116262 | mm, OD min. 4 - OD max. 8 mm, IP54, IP66, IP67, IP68 - 5 bar (30 | |
| Qty. | 50 ST | min.), IP69K, Brass, nickel-plated | |

Neoprene flat gasket - GWDR NP



In addition to cable glands for a wide range of applications, the product portfolio is rounded off by plugs, pressure compensation elements, adaptors and the corresponding accessories such as locknuts, sealing rings, flat washers and earthing rings.

General ordering data

| | | | |
|------------|----------------------------|----------------------------------------------------------------|--|
| Type | GWDR PG9-NP | Version | |
| Order No. | 1719550000 | GWDR NP (flat gasket - neoprene), Sealing ring, PG 9, Neoprene | |
| GTIN (EAN) | 4008190352813 | | |
| Qty. | 100 ST | | |

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General ordering data

| | | | |
|------------|----------------------------|---------------------------------------------------------------------|--|
| Type | VG M16 - MS 68 | Version | |
| Order No. | 1772210000 | VG MS (standard brass cable gland), Cable glands, straight, M 16, 7 | |
| GTIN (EAN) | 4032248129867 | mm, OD min. 4 - OD max. 8 mm, IP54, IP66, IP67, IP68 - 5 bar (30 | |
| Qty. | 50 ST | min.), IP69K, Brass, nickel-plated | |

M12



Protective caps protect unassigned plug-in stations against external influences.

General ordering data

| | | | |
|------------|----------------------------|------------------------------------------------|--|
| Type | SAI-SK-M12 | Version | |
| Order No. | 9456050000 | Protected component assemblies, Protective cap | |
| GTIN (EAN) | 4008190304058 | | |
| Qty. | 30 ST | | |