

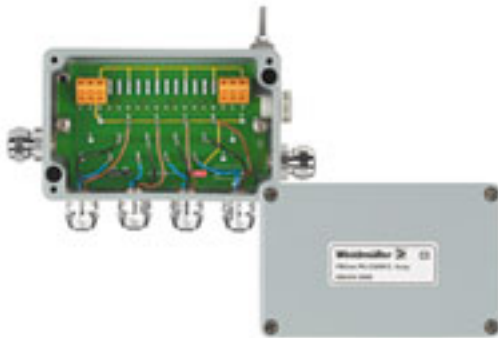
**FBCON PA CG/M12 4WAY****Weidmüller Interface GmbH & Co. KG**

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, 4-way distributor, IP66 |
| Order No.  | <a href="#">8564080000</a>                    |
| Type       | FBCON PA CG/M12 4WAY                          |
| GTIN (EAN) | 4032248236718                                 |
| Qty.       | 1 pc(s).                                      |

## FBCON PA CG/M12 4WAY

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## Technical data

## Dimensions and weights

|            |        |                 |            |
|------------|--------|-----------------|------------|
| Height     | 37 mm  | Height (inches) | 1.457 inch |
| Width      | 80 mm  | Width (inches)  | 3.15 inch  |
| Length     | 125 mm | Length (inches) | 4.921 inch |
| Net weight | 658 g  |                 |            |

## Temperatures

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

## Environmental Product Compliance

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

## Technical properties

|                   |      |
|-------------------|------|
| Protection degree | IP66 |
|-------------------|------|

## Technical data

|                          |                                  |                           |                                    |
|--------------------------|----------------------------------|---------------------------|------------------------------------|
| Bus system               | Profibus-PA, Foundation Fieldbus | Cable entry               | Brass cable gland, Branch line M12 |
| Conductor O.D.           | 5.5 - 9.5mm                      | Conductor O.D., max.      | 9.5 mm                             |
| Conductor O.D., min.     | 5.5 mm                           | Connection type PE        | M12 spur line                      |
| Contact carrier material | Brass                            | Contact material          | CuZnAu                             |
| Housing main material    | Aluminium, AlSi12                | Number of contact sockets | 4                                  |
| Type of distribution     | 4-way distributor                | Type of mounting          | surface-mounted                    |
| Colour                   | grey                             | Housing main material     | Aluminium, AlSi12                  |
| Protection degree        | IP66                             | Type of mounting          | surface-mounted                    |

## Classifications

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

## Approvals

Approvals



|                       |         |
|-----------------------|---------|
| ROHS                  | Conform |
| UL File Number Search | E141197 |

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## Technical data

### Downloads

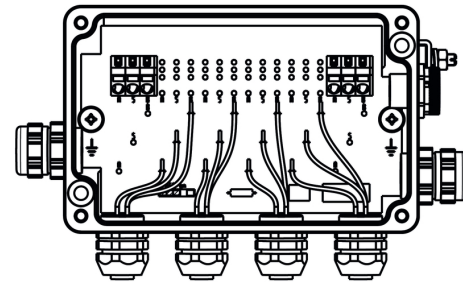
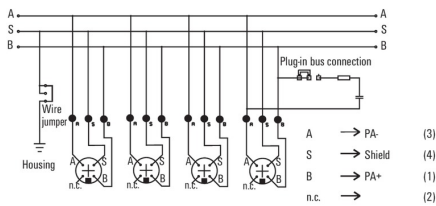
|                                             |                                                                                                                                                                                                                      |
|---------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Approval/Certificate/Document of Conformity | <a href="#">Certification EAC</a><br><a href="#">Certification UL</a>                                                                                                                                                |
| Software                                    | <a href="#">Software unit – WI-Segment-Calculator</a>                                                                                                                                                                |
| User Documentation                          | <a href="#">assembly instruction german / english</a><br><a href="#">Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch</a><br><a href="#">FBCon Segment Calculator_english</a> |
| Catalogues                                  | <a href="#">Catalogues in PDF-format</a>                                                                                                                                                                             |
| Brochures                                   |                                                                                                                                                                                                                      |

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## Drawings



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[www.weidmueller.com](http://www.weidmueller.com)**Accessories****M12**

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

**General ordering data**

|            |                            |                                                |
|------------|----------------------------|------------------------------------------------|
| Type       | SAI-SK-M12                 | Version                                        |
| Order No.  | <a href="#">9456050000</a> | Protected component assemblies, Protective cap |
| GTIN (EAN) | 4008190304058              |                                                |
| Qty.       | 30 pc(s).                  |                                                |

**PVC/PE black (FBC)****Cable Material**

The most reliable way of achieving connections between two I/O slaves or between the control and one I/O subscriber is by way of pre-assembled cables. The line of cables covers PROFIBUS, CANopen, DeviceNet™, EtherCAT and Ethernet.

**General ordering data**

|            |                            |                                                                                                                                          |
|------------|----------------------------|------------------------------------------------------------------------------------------------------------------------------------------|
| Type       | FBC PA M12 M 2M            | Version                                                                                                                                  |
| Order No.  | <a href="#">1785120200</a> | Bus line, One end without connector, M12, Number of poles: 2, 2 m, pin, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: |
| GTIN (EAN) | 4032248194803              |                                                                                                                                          |
| Qty.       | 1 pc(s).                   | Yes                                                                                                                                      |

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## Accessories

## 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.  | <a href="#">1719550000</a> | GWDR NP (flat gasket - neoprene), Sealing ring, PG 9, Neoprene |
| GTIN (EAN) | 4008190352813              |                                                                |
| Qty.       | 100 pc(s).                 |                                                                |

## 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 M16 - MS 68             | Version                                                                                                                                                       |
| Order No.  | <a href="#">1772210000</a> | VG MS (standard brass cable gland), Cable glands, M 16, 7 mm, OD min. 4 - OD max. 8 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K, Brass, nickel-plated |
| GTIN (EAN) | 4032248129867              |                                                                                                                                                               |
| Qty.       | 50 pc(s).                  |                                                                                                                                                               |
| Type       | VG 9-MS68                  | Version                                                                                                                                                       |
| Order No.  | <a href="#">1569070000</a> | VG MS (standard brass cable gland), Cable glands, PG 9, 6 mm, OD min. 4 - OD max. 8 mm, IP54, IP66, IP67, IP68 - 5 bar (30 min.), IP69K, Brass, nickel-plated |
| GTIN (EAN) | 4008190116262              |                                                                                                                                                               |
| Qty.       | 50 pc(s).                  |                                                                                                                                                               |

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[www.weidmueller.com](http://www.weidmueller.com)**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.  | <a href="#">0294700000</a> | VPMS (blanking plug in brass), Blanking plug, PG 9, 5 mm, Brass, |
| GTIN (EAN) | 4008190005887              | nickel-plated                                                    |
| Qty.       | 100 pc(s).                 |                                                                  |

# Mouser Electronics

Authorized Distributor

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