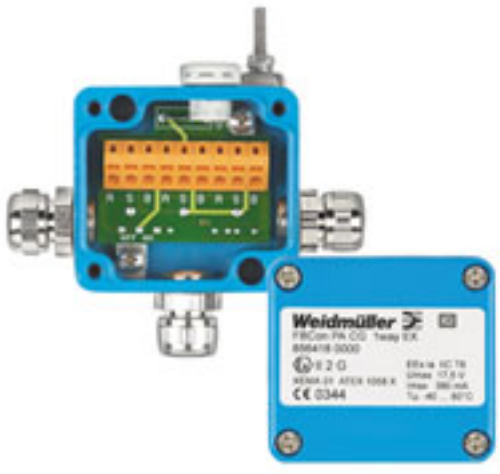
# FBCON PA CG 1WAY EX

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

www.weidmueller.com




For applications in hazardous areas, PROFIBUS PA Ex junction boxes are available as 1-way, 2-way, 4-way, and 8-way distributors.
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
- Protection class IP66
- Aluminium versions
- Profibus PA 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 for Ex applications EEx(ia), 1-way distributor EEx, IP66 |
| Order No. | 8564180000 |
| Type | FBCON PA CG 1WAY EX |
| GTIN (EAN) | 4032248236589 |
| Qty. | 1 pc(s). |

# FBCON PA CG 1WAY EX

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

www.weidmueller.com

## Technical data

### Dimensions and weights

| | | | |
|---|---|---|---|
| Height | 37 mm | Height (inches) | 1.457 inch |
| Width | 58 mm | Width (inches) | 2.283 inch |
| Length | 64 mm | Length (inches) | 2.52 inch |
| Net weight | 259 g | | |

### Temperatures

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

### Technical data

| | | | |
|---|---|---|---|
| Bus system | Profibus-PA, Foundation Fieldbus | Cable entry | Brass cable gland |
| Conductor O.D., max. | 9.5 mm | Conductor O.D., min. | 5.5 mm |
| Connection type PE | Spur line with cable gland | Contact carrier material | Brass |
| Contact material | CuZnAu | Design of housing | With pressure compensation element |
| Housing main material | Aluminium, AlSi12 | Protection degree | IP66 |
| Type of distribution | 1-way distributor EEx | Type of mounting | surface-mounted, Front mounting |

### 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 |
| SCIP | 3a5f5913-76fc-4ff5-8563-4463f80bbe02 |

### Approvals

| | |
|---|---|
| Approvals | LISTED ATEX - KEMA |
| ROHS | Conform |
| UL File Number Search | UL Website |
| Certificate no. (cULus) | E141197 |

# FBCON PA CG 1WAY EX

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

www.weidmueller.com

## Technical data

### Downloads

| | |
|---|---|
| Approval/Certificate/Document of Conformity | Certification ATEX<br>Declaration of Conformity |
| Product Change Notification | 20220208 Technical change to FBCon field distributors (passive, with aluminum housings) |
| Software | Runtime Software – WI-Segment-Calculator |
| User Documentation | Instruction sheet<br>Quick start guide – Application-Guide-Planning and installing Fieldbus networks-using-FBCon_english_deutsch |
| Catalogues | Catalogues in PDF-format |
| Brochures | |

# FBCON PA CG 1WAY EX

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

www.weidmueller.com

## Drawings

