

FBCON DP CG 1WAY

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

www.weidmueller.com



For Profibus DP and Modbus RS485, FBCon standard T-distributors and terminators connect individual field devices or remote I/O to the bus cable. Their 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 DP / Modbus RS485 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, 1-way distributor, IP65, IP66 |
| Order No. | 8564340000 |
| Type | FBCON DP CG 1WAY |
| GTIN (EAN) | 4032248404698 |
| 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 | 34 mm | Height (inches) | 1.3386 inch |
| Width | 64 mm | Width (inches) | 2.5197 inch |
| Net weight | 262 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 | Type of distribution | 1-way distributor |
| Design of housing | With pressure compensation element | Housing main material | Aluminium |
| Cable entry | Brass cable gland, 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-DP, Modbus RS485 | Operating voltage | 30 V |
| Housing surface | stove enamelled | Operating voltage U _{max} , max. | 30 V DC |

Part description

Product description The device is a passive field distributor for the fieldbus system Profibus PA. The device complies with protection class IP66/IP67. Functional description The device connects one field device with one fieldbus segment. The device supports earthing concepts with multi-point screen earthing or single-point screen earthing. The earthing concepts are explained in the Profibus guidelines.

Technical data

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

