

**FBCON DP M12 1WAY****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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 without bus termination, 1-way distributor, IP66, IP67 |
| Order No.  | <a href="#">8564350000</a>                                                  |
| Type       | FBCON DP M12 1WAY                                                           |
| GTIN (EAN) | 4032248245178                                                               |
| Qty.       | 1 pc(s).                                                                    |

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## Technical data

## Dimensions and weights

|            |       |                 |            |
|------------|-------|-----------------|------------|
| Height     | 34 mm | Height (inches) | 1.339 inch |
| Width      | 64 mm | Width (inches)  | 2.52 inch  |
| Length     | 58 mm | Length (inches) | 2.283 inch |
| Net weight | 249 g |                 |            |

## Temperatures

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

## Connection data

|                      |                     |                      |                     |
|----------------------|---------------------|----------------------|---------------------|
| Clamping range, min. | 0.5 mm <sup>2</sup> | Clamping range, max. | 1.5 mm <sup>2</sup> |
|----------------------|---------------------|----------------------|---------------------|

## Technical data

|                       |                              |                                           |                                    |
|-----------------------|------------------------------|-------------------------------------------|------------------------------------|
| Bus system            | Profibus-DP, Modbus RS485    | Cable entry                               | Brass cable gland, Branch line M12 |
| Connection type PE    | M12 spur line                | Design of housing                         | With pressure compensation element |
| Housing main material | Aluminium, AlSi12, Aluminium | Housing surface                           | stove enamelled                    |
| Operating voltage     | 18...30 V DC                 | Operating voltage U <sub>max</sub> , max. | 30 V AC/DC                         |
| Pollution severity    | 3                            | Protection degree                         | IP66, IP67                         |
| Type of distribution  | 1-way distributor            | Type of mounting                          | surface-mounted                    |

## 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



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

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## Technical data

### Downloads

Approval/Certificate/Document of Conformity

[Certification UL](#)

Product Change Notification

[20220208 Technical change to FBCon field distributors \(passive, with aluminum housings\)](#)

User Documentation

[Application-Guide-Planning and installing Fieldbus networks-using-FBCon\\_english\\_deutsch](#)  
[Instruction sheet](#)

Catalogues

[Catalogues in PDF-format](#)

Brochures

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## Drawings

