

**FBCON M12 4P FM EMC****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com



Individual cable lengths are often required nowadays. In order to meet these demands, Weidmüller offers a wide range of plug-in connectors for custom assembly. Male plugs and female socket for customisable assembly for M8, M12, M16 and 7/8" connections which are highly robust and ideally suited to machine engineering, for instance. The M12 plug-in connectors offer a choice of 5 different connection systems.

The screw connection can be used in a wide range of applications. With this technology the conductor, optionally with wire-end ferrules, can be plugged into connection elements and secured with a screw. It is the classic, cheapest form of connection technology that also supports multi-conductor connections.

**General ordering data**

|            |                                                          |
|------------|----------------------------------------------------------|
| Version    | Field attachable connector, M12, Female socket, straight |
| Order No.  | <a href="#">8426220000</a>                               |
| Type       | FBCON M12 4P FM EMC                                      |
| GTIN (EAN) | 4032248036516                                            |
| Qty.       | 1 pc(s).                                                 |

## FBCON M12 4P FM EMC

Weidmüller Interfaces GmbH &amp; Co. KG

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

info@weidmueller.com

www.weidmueller.com

## Technical data

## Dimensions and weights

Net weight 48 g

## Environmental Product Compliance

|            |                                                      |      |                                          |
|------------|------------------------------------------------------|------|------------------------------------------|
| REACH SVHC | Lead 7439-92-1,<br>Imidazolidine-2-thione<br>96-45-7 | SCIP | 0a173d67-76ea-4f49-<br>a7f9-34c254e699e8 |
|------------|------------------------------------------------------|------|------------------------------------------|

## Technical data customisable plug-in connectors

|                                |                                |                                |                      |
|--------------------------------|--------------------------------|--------------------------------|----------------------|
| Cable diameter                 | 4...6 mm (PG7)/ 6...8 mm (PG9) | Cable diameter, max.           | 8 mm                 |
| Cable diameter, min.           | 6 mm                           | Coding                         | A                    |
| Conductor cross-section, max.  | 0.75 mm <sup>2</sup>           | Conductor cross-section, min.  | 0.14 mm <sup>2</sup> |
| Connection cross-section, max. | 0.75 mm <sup>2</sup>           | Connection cross-section, min. | 0.14 mm <sup>2</sup> |
| Contact surface                | Gold-plated                    | Housing main material          | CuZn                 |
| Insulation strength            | 10 <sup>12</sup> Ω             | Number of poles                | 4                    |
| Pollution severity             | 3                              | Protection degree              | IP67                 |
| Rated current                  | 4 A                            | Rated voltage                  | 250 V                |
| Rated voltage                  | 250 V (4-pole) / 60 V (5-pole) | Shield connection              | Yes                  |
| Temperature range of housing   | -40 ... +85 °C                 | Type of connection             | Screw connection     |

## General Info

|                           |       |                        |               |
|---------------------------|-------|------------------------|---------------|
| Number of poles           | 4     | Connection 1           | M12           |
| Connection 2              | Screw | Description of article | SAISW / SAIBW |
| UL 94 flammability rating | V-2   | Housing main material  | CuZn          |
| Connection thread         | M12   | Contact surface        | Gold-plated   |
| Protection degree         | IP67  |                        |               |

## Standards

Connector standard IEC 61076-2-101

## Classifications

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002635    | ETIM 7.0    | EC002635    |
| ETIM 8.0    | EC002635    | ECLASS 9.0  | 27-44-01-02 |
| ECLASS 9.1  | 27-44-01-03 | ECLASS 10.0 | 27-44-01-02 |
| ECLASS 11.0 | 27-44-01-02 | ECLASS 12.0 | 27-44-01-16 |

## Approvals

Approvals



|                         |            |
|-------------------------|------------|
| ROHS                    | Conform    |
| UL File Number Search   | UL Website |
| Certificate No. (cURus) | E307231    |

**FBCON M12 4P FM EMC****Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

**Technical data**[info@weidmueller.com](mailto:info@weidmueller.com)[www.weidmueller.com](http://www.weidmueller.com)**Downloads**

|                    |                                                                        |
|--------------------|------------------------------------------------------------------------|
| Engineering Data   | <a href="#">CAD data – STEP</a>                                        |
| Engineering Data   | <a href="#">EPLAN, WSCAD, Zuken E3.S</a>                               |
| User Documentation | <a href="#">Manual</a>                                                 |
| Catalogues         | <a href="#">Catalogues in PDF-format</a>                               |
| Brochures          | <a href="#">FL FIELDWIRING EN</a><br><a href="#">FL FIELDWIRING EN</a> |

## FBCON M12 4P FM EMC

**Weidmüller Interfaces GmbH & Co. KG**

Postfach 3030

32760 Detmold

Tel. +49 5231 14-0

Fax. +49 5231 14-2083

[info@weidmueller.com](mailto:info@weidmueller.com)

[www.weidmueller.com](http://www.weidmueller.com)

## Drawings

### Pole scheme

