

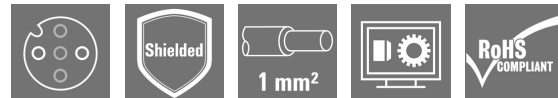
**FBC PA M12 FM 4M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com



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**

|            |  |
|------------|--|
| Version    | Bus line, One end without connector, M12, Number of poles: 2, 4 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1785110400</a>   |
| Type       | FBC PA M12 FM 4M   |
| GTIN (EAN) | 4032248658268  |
| Qty.       | 1 pc(s).   |

Creation date January 28, 2022 12:52:35 AM CET

Catalogue status 14.01.2022 / We reserve the right to make technical changes.

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**Technical data****Dimensions and weights**

Net weight 331 g

**Environmental Product Compliance**REACH SVHC Lead 7439-92-1,  
Imidazolidine-2-thione  
96-45-7**Technical specifications for cable**

|                               |                    |                                  |                    |
|-------------------------------|--------------------|----------------------------------|--------------------|
| Bending radius, min., moving  | 8 x cable diameter | Bending radius, min., stationary | 8 x cable diameter |
| Cable length                  | 4 m                | Colour coding                    | red, green         |
| Configurable cable length     | No                 | Core cross-section               | 1 mm <sup>2</sup>  |
| Halogen                       | Yes                | Hybrid cable                     | No                 |
| Insulation                    | PE                 | Irradiation crosslinked          | No                 |
| Number of poles               | 2                  | Outside diameter                 | 8 mm ± 0.4 mm      |
| Resistant to welding beads    | No                 | Sheath material                  | PVC                |
| Sheathing colour              | black              | Shielded                         | Yes                |
| Suitable for cable carriers   | No                 | Temperature range, moving        | -5...60 °C         |
| Temperature range, stationary | -30...80 °C        |                                  |                    |

**General technical data**

|                              |                   |                        |                         |
|------------------------------|-------------------|------------------------|-------------------------|
| Coding                       | A                 | Connection thread      | M12                     |
| Contact surface              | Gold-plated       | Housing main material  | PUR                     |
| Insulation strength          | 10 <sup>8</sup> Ω | LED                    | No                      |
| Plugging cycles              | ≥ 100             | Pollution severity     | 3                       |
| Protection degree            | IP67              | Rated voltage          | 100 V                   |
| Temperature range of housing | -25...+80 °C      | Threaded ring material | Brass, nickel-plated    |
| Tightening torque            | M12: 0.8 - 1.2 Nm | Version                | Female socket, straight |
| jumpered                     | No                |                        |                         |

**Electrical properties**Insulation strength 10<sup>8</sup> Ω Rated voltage 100 V**Classifications**

|             |             |             |             |
|-------------|-------------|-------------|-------------|
| ETIM 6.0    | EC002599    | ETIM 7.0    | EC002599    |
| ETIM 8.0    | EC002599    | ECLASS 9.0  | 27-06-03-08 |
| ECLASS 9.1  | 27-06-03-08 | ECLASS 10.0 | 27-06-03-08 |
| ECLASS 11.0 | 27-06-03-08 |             |             |

**Approvals**

Approvals



ROHS

Conform

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

|                  |  |
|------------------|--|
| Engineering Data | <a href="#">CAD data – STEP</a>          |
| Engineering Data | <a href="#">EPLAN, WSCAD</a>             |
| Catalogues       | <a href="#">Catalogues in PDF-format</a> |
| Brochures        | <a href="#">FL FIELDWIRING EN</a>        |

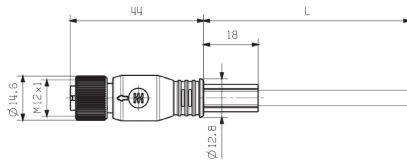
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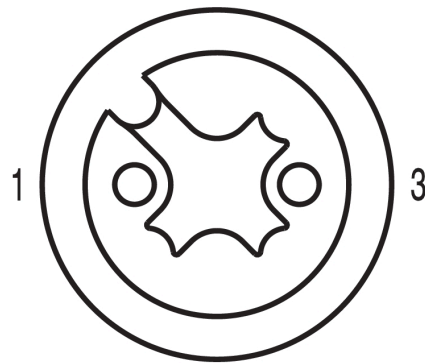
# Drawings

### Dimensioned drawing



Straight socket

### Pole scheme



Socket

### Wiring diagram

### The ideal tool: Screwty® with torque function



Light, securely screwed-in round plug-in connectors. Screwty set DM / VPE: 1 / Order No.: 1920000000 Adapters: M12, M12 F, M8, M8 F

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