

**FBC PA M12 FM 10M****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, 10 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No.  | <a href="#">1785111000</a>                                                                                                                              |
| Type       | FBC PA M12 FM 10M                                                                                                                                       |
| GTIN (EAN) | 4032248194780                                                                                                                                           |
| Qty.       | 1 pc(s).                                                                                                                                                |

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

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## Technical data

## Dimensions and weights

|            |           |                 |            |
|------------|-----------|-----------------|------------|
| Length     | 10,000 mm | Length (inches) | 393.7 inch |
| Net weight | 750 g     |                 |            |

## Environmental Product Compliance

|            |                                                      |
|------------|------------------------------------------------------|
| REACH SVHC | Lead 7439-92-1,<br>Imidazolidine-2-thione<br>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                  | 10 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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## 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

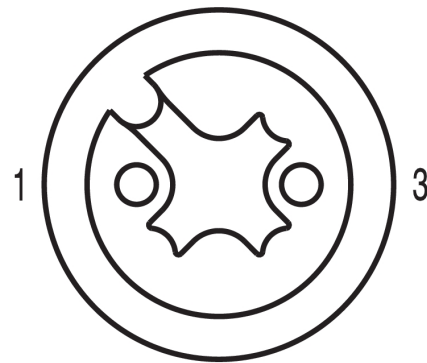
## Dimensioned drawing



Straight socket

## Wiring diagram

## Pole scheme



Socket

## The ideal tool: Screwty<sup>®</sup> 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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