

FBC PA M12 M-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™, Ether-CAT and Ethernet.

General ordering data

| | |
|-----------------|--|
| Version | Bus line, Connecting line, M12 / M12, Number of poles: 2, 10 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes |
| Order No. | 1785 101000 |
| Type | FBC PA M12 M-FM 10M |
| GTIN (EAN) | 4032248194742 |
| Qty. | 1 items |
| Delivery status | This article will no longer be available in the future. |
| Available until | 2026-04-30T00:00:00+02:00 |

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Technical data

Approvals

Approvals



ROHS Conform

Dimensions and weights

Net weight 801 g

Environmental Product Compliance

RoHS Compliance Status Compliant with exemption
RoHS Exemption (if applicable/known) 6c
REACH SVHC Lead 7439-92-1, Imidazolidine-2-thione 96-45-7
SCIP be1e0a9b-b31e-4729-85aa-0ec2ffffea4

Technical specifications for cable

| | | | |
|----------------------------------|--------------------|-------------------------------|--------------------|
| Cable length | 10 m | Sheathing colour | black |
| Suitable for cable carriers | No | Core cross-section | 1 mm ² |
| Shielded | Yes | Halogen | Yes |
| Insulation | PE | Bending radius, min., moving | 8 x cable diameter |
| Bending radius, min., stationary | 8 x cable diameter | Sheath material | PVC |
| Configurable cable length | No | Hybrid cable | No |
| Irradiation crosslinked | No | Welding spark resistance | No |
| Colour coding | red, green | Temperature range, stationary | -30...80 °C |
| Resistant to welding beads | No | Temperature range, moving | -5...60 °C |
| Number of poles | 2 | Outside diameter | 8 mm ± 0.4 mm |

General technical data

| | | | |
|------------------------------|----------------------------------|------------------------|----------------------|
| Coding | A-coded | Connection thread | M12 / M12 |
| Contact surface | Gold-plated | LED | No |
| Version | pin, straight - socket, straight | Housing main material | PUR |
| Insulation resistance | 108 Ω | Contact material | Ni/Au |
| Nominal voltage | 100 V | Protection degree | IP67 |
| Plugging cycles | ≥ 100 | Pollution severity | 3 |
| jumpered | No | Threaded ring material | Brass, nickel-plated |
| Temperature range of housing | -25...+80 °C | Tightening torque | M12: 0.8 - 1.2 Nm |

Electrical properties

| | | | |
|-----------------------|-------|-----------------|-------|
| Insulation resistance | 108 Ω | Nominal voltage | 100 V |
|-----------------------|-------|-----------------|-------|

Plug, left

Plug left M12, A-coded, IP67, male contact, straight, Plastic, shielded

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Technical data**Plug, right**

| | |
|------------|---|
| Plug right | M12, A-coded, IP67, female contact, straight, Plastic, shielded |
|------------|---|

Classifications

| | | | |
|-------------|-------------|-------------|-------------|
| ETIM 8.0 | EC002599 | ETIM 9.0 | EC002599 |
| ETIM 10.0 | EC002599 | ECLASS 14.0 | 27-06-03-08 |
| ECLASS 15.0 | 27-06-03-08 | | |

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Drawings

Dimensioned drawing



Male, straight



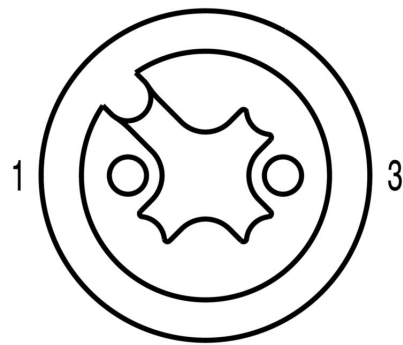
Straight socket

Pole scheme



Pin

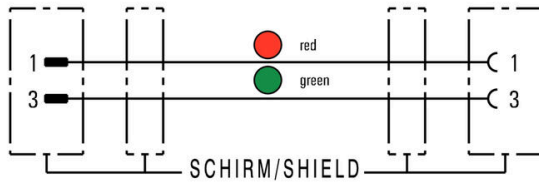
Pole scheme



Socket

Drawings

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