

**FBCEX PA M12 M-FMA 1M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

[www.weidmueller.com](http://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, Connecting line, M12 / M12, Number of poles: 2, 1 m, pin, straight - socket, 90&deg;, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	<a href="#">1075390100</a>
Type	FBCEX PA M12 M-FMA 1M
GTIN (EAN)	4032248833825
Qty.	1 pc(s).

Creation date July 14, 2024 3:45:50 PM CEST

Catalogue status 29.06.2024 / We reserve the right to make technical changes.

## FBCEX PA M12 M-FMA 1M

Weidmüller Interface GmbH &amp; Co. KG

Klingenbergstraße 26

D-32758 Detmold

Germany

www.weidmueller.com

## Technical data

## Dimensions and weights

Net weight	108 g
------------	-------

## Technical specifications for cable

Bending radius, min., moving	8 x cable diameter	Bending radius, min., stationary	8 x cable diameter
Cable length	1 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	blue (RAL 5015)	Shielded	Yes
Suitable for cable carriers	No	Temperature range, moving	-5...60 °C
Temperature range, stationary	-30...80 °C	Welding spark resistance	No

## General technical data

Coding	A-coded	Connection thread	M12 / M12
Contact material	Ni/Au	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	pin, straight - socket, 90°;	jumpered	No

## Electrical properties

Insulation strength	10 <sup>8</sup> Ω	Rated voltage	100 V
---------------------	-------------------	---------------	-------

## Plug, left

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

## Plug, right

Plug right	M12, A-coded, IP67, female contact, angled 90°, Plastic, shielded
------------	---

## Classifications

ETIM 6.0	EC002599	ETIM 7.0	EC002599
ETIM 8.0	EC002599	ETIM 9.0	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
ECLASS 12.0	27-06-03-08	ECLASS 13.0	27-06-03-08

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	273a2adc-147a-4b75-9d50-227deee55a05

Creation date July 14, 2024 3:45:50 PM CEST

## FBCEX PA M12 M-FMA 1M

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

## Technical data

### Approvals

Approvals



ROHS

Conform

### Downloads

Catalogues

[Catalogues in PDF-format](#)

Brochures

[FL FIELDWIRING EN](#)  
[FL FIELDWIRING EN](#)

## FBCEX PA M12 M-FMA 1M

**Weidmüller Interface GmbH & Co. KG**  
Klingenbergstraße 26  
D-32758 Detmold  
Germany

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

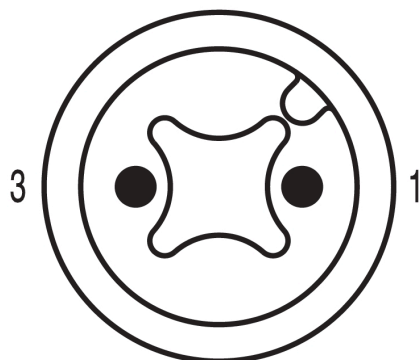
## Drawings

### Dimensioned drawing



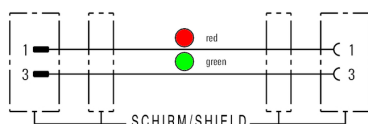
Male, straight

### Pole scheme

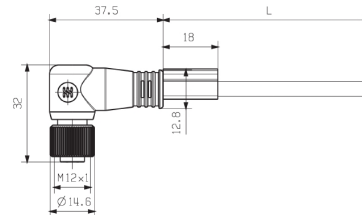


Pin

### Wiring diagram

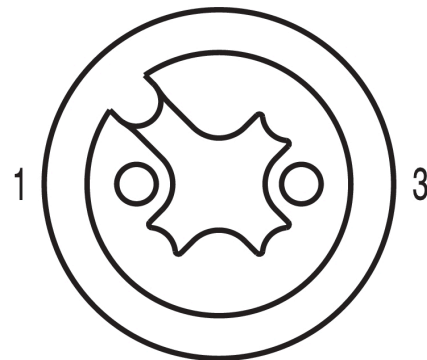


### Dimensioned drawing



Socket angled

### Pole scheme



Socket

### 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