

## FBCEX PA M12 FM 2M

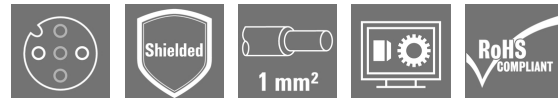
**Weidmüller Interface GmbH & Co. KG**

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, 2 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	<a href="#">1785140200</a>
Type	FBCEX PA M12 FM 2M
GTIN (EAN)	4032248194988
Qty.	1 pc(s).

Creation date March 25, 2021 7:48:50 AM CET

Catalogue status 12.03.2021 / We reserve the right to make technical changes.

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## Technical data

## Dimensions and weights

Length	2,000 mm	Length (inches)	78.74 inch
Net weight	174 g		

## Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
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## Technical specifications for cable

Bending radius, min., moving	8 x cable diameter		
Bending radius, min., stationary	8 x cable diameter		
Cable length	2 m		
Colour coding	red, green		
Configurable cable length	No		
Core cross-section	1 mm <sup>2</sup>		
Halogen	Yes		
Housing main material	PUR		
Hybrid cable	No		
Insulation	PE		
Irradiation crosslinked	No		
Number of poles	2		
Number of poles	2		
Outer diameter	8.0 ± 0.4 mm		
Outside diameter	8 mm ± 0.4 mm		
Outside diameter	Diameter	8 mm	
	Signs	±	
	Tolerance	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, moving, max.	60 °C		
Temperature range, moving, min.	-5 °C		
Temperature range, stationary	-30...80 °C		
Temperature range, stationary, max.	80 °C		
Temperature range, stationary, min.	-30 °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
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**Technical data**
**Cable structure**

Colour coding	red, green	Insulation	PE
Sheathing colour	blue (RAL 5015)		

**Electrical properties of cable**

Insulation strength	10 <sup>8</sup> Ω
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**Mechanical and material properties of cable**

Halogen	Yes
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**Plug, right**

Contact surface	Gold-plated	Housing main material	PUR
Plugging cycles	≥ 100		

**Classifications**

ETIM 6.0	EC002599	ETIM 7.0	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**

ROHS	Conform
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**Downloads**

Engineering Data	<a href="#">STEP</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>

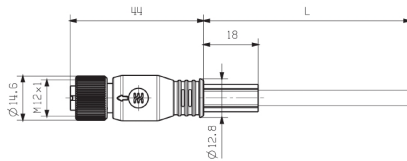
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Drawings

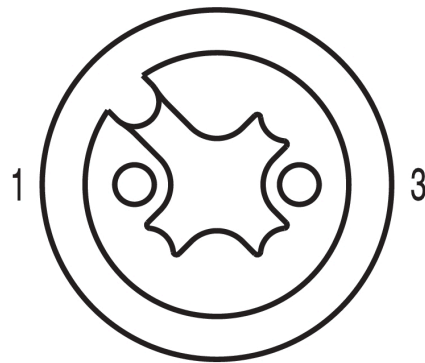
**Dimensioned drawing**



Straight socket

**Wiring diagram**

**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