

## FBC PA M12 M-FM 2M

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

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

Type	FBC PA M12 M-FM 2M
Order No.	<a href="#">1785 100200</a>
Version	Bus line, Connecting line, M12 / M12, Number of poles: 2, 2 m, pin, straight - socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
GTIN (EAN)	4032248194728
Qty.	1 pc(s).

Creation date May 3, 2020 2:13:51 PM CEST

Catalogue status 17.04.2020 / We reserve the right to make technical changes.

**FBC PA M12 M-FM 2M****Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

D-32758 Detmold

Germany

Fon: +49 5231 14-0

Fax: +49 5231 14-292083

www.weidmueller.com

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

Length	2,000 mm	Length (inches)	78.74 inch
Net weight	191 g		

**Environmental Product Compliance**

REACH SVHC	Lead 7439-92-1
------------	----------------

**Technical specifications for cable**

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

**General technical data**

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

**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	UNSPSC	26-12-16-03

**Approvals**

ROHS	Conform
------	---------

**Downloads**

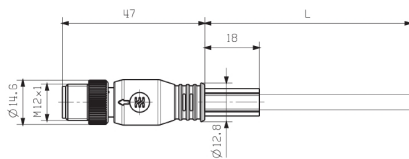
Brochure/Catalogue	<a href="#">FL FIELDWIRING EN</a>
Engineering Data	<a href="#">EPLAN, WSCAD</a>

**FBC PA M12 M-FM 2M**

**Weidmüller Interface GmbH & Co. KG**  
 Klingenbergstraße 26  
 D-32758 Detmold  
 Germany  
 Fon: +49 5231 14-0  
 Fax: +49 5231 14-292083  
 www.weidmueller.com

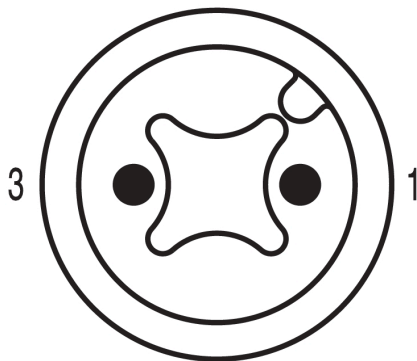
**Drawings**

**Dimensioned drawing**



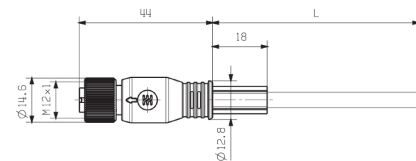
Male, straight

**Pole scheme**



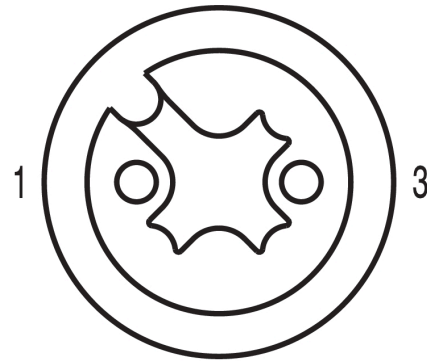
Pin

**Dimensioned drawing**



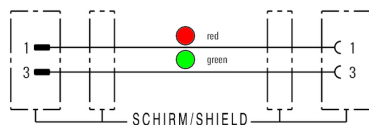
Straight socket

**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