

## FBC PA M12 FM 20M

**Weidmüller Interface GmbH & Co. KG**

Klingenbergstraße 26

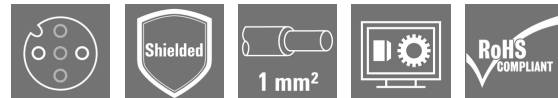
D-32758 Detmold

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 FM 20M
Order No.	<a href="#">1785 112000</a>
Version	Bus line, One end without connector, M12, Number of poles: 2, 20 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
GTIN (EAN)	4032248647040
Qty.	1 pc(s).

Creation date May 3, 2020 2:16:40 PM CEST

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

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## Technical data

### Dimensions and weights

Net weight 1,586 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	20 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	Female socket, straight	Connection thread	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	≥ 100	Pollution severity	3
jumpered	No		

### 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	30-21-18-01

### Approvals

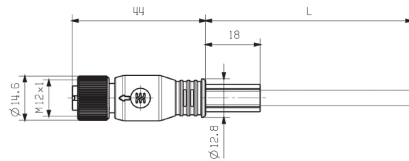
ROHS Conform

### Downloads

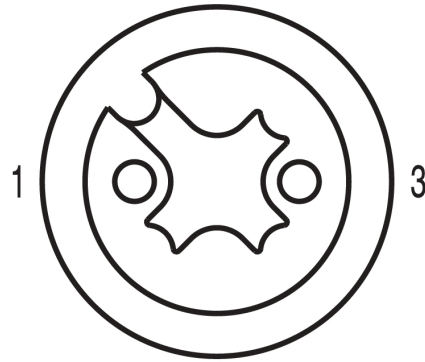
Brochure/Catalogue [FL FIELDWIRING EN](#)  
 Engineering Data [EPLAN, WSCAD](#)

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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