

FBC PA M12 FM 20M**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, 20 m, Female socket, straight, Shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
Order No.	1785112000
Type	FBC PA M12 FM 20M
GTIN (EAN)	4032248647040
Qty.	1 pc(s).

Creation date March 25, 2021 7:47:51 AM CET

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Technical data

Dimensions and weights

Net weight	1,586 g
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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	20 m	
Colour coding	red, green	
Configurable cable length	No	
Core cross-section	1 mm²	
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	black	
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 ⁸ 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 ⁸ Ω	Rated voltage	100 V
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Technical data**Cable structure**

Colour coding	red, green	Insulation	PE
Sheathing colour	black		

Electrical properties of cable

Insulation strength	$10^8 \Omega$
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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	STEP
Engineering Data	EPLAN, WSCAD

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Drawings

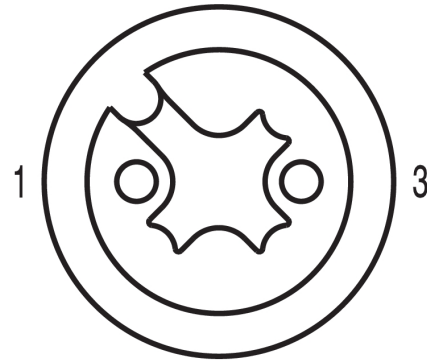
Dimensioned drawing



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