FBCEX 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.	1785142000
Type	FBCEX PA M12 FM 20M
GTIN (EAN)	4032248652198
Qty.	1 pc(s).

Creation date December 4, 2023 1:56:55 PM CET

FBCEX PA M12 FM 20M

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

www.weidmueller.com

Technical data

Dimensions and weights

Net weight	1,500 g

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	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
Contact material	Ni/Au	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

Plug

Plug	Cable side	left
	Version of contact face	M12
	Coding of plug	A-coded
	Protection degree (IP)	IP67
	Gender of contact	female contact
	Outlet direction	straight
	Housing main material	Plastic
	Shielding available	Yes
	Cable side	right
	Version of cable end [In-Block]	free conductor end
Plug left	M12, A-coded, IP67, female contact, straight, Plastic, shielded	
Plug right	free conductor end	

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	27060308

FBCEX PA M12 FM 20M

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

www.weidmueller.com

Technical data

Environmental Product Compliance

REACH SVHC	Lead 7439-92-1
SCIP	3a5f5913-76fc-4ff5-8563-4463f80bbe02

Approvals

Approvals	CE
ROHS	Conform

Downloads

Engineering Data	CAD data – STEP
Catalogues	Catalogues in PDF-format
Brochures	FL FIELDWIRING EN

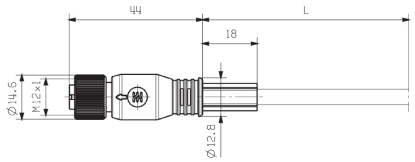
FBCEX PA M12 FM 20M

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

www.weidmueller.com

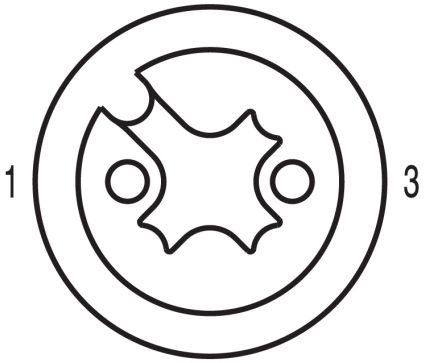
Drawings

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