

## FBCEX PA M12 M-FM 1M

**Weidmüller Interface GmbH & Co. KG**  
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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	FBCEX PA M12 M-FM 1M
Order No.	<a href="#">1785130100</a>
Version	Bus line, Connecting line, M12 / M12, No. of poles: 2, 1 m, pin, straight - socket, straight, shielded: Yes, LED: No, Sheath material: PVC, Halogen: Yes
GTIN (EAN)	4032248194933
Qty.	1 pc(s).

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## Technische Daten

### Dimensions and weights

Length	1,000 mm	Net weight	110 g
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### Technical specifications for cable

No. of poles shielded	2 Yes	Core cross-section	1 mm <sup>2</sup>
Colour coding	Red, Green	Insulation	PE
Sheathing colour	blue (RAL 5015)	Sheath material	PVC
Cable length	1 m	Outer diameter	8.0 ± 0.4 mm
Temperature range, moving, max.	60 °C	Temperature range, moving, min.	-5 °C
Temperature range, stationary, max.	80 °C	Temperature range, stationary, min.	-30 °C
Suitable for cable carriers	No	Halogen	Yes
Bending radius, min., stationary	8 x Kabeldurchmesser	Torsion resistance	0 °/m
Resistant to welding beads	No	Bending radius, min., moving	8 x Kabeldurchmesser

### General technical data

Version	pin, straight - socket, straight	Contact tube diameter	M12 / M12
Housing main material	PUR	Threaded ring material	Brass, nickel-plated
Coding	A	Protection degree	IP 67
Contact surface	Gold-plated	LED	No
Rated voltage	100 V	Insulation resistance	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 3.0	EC000237	UNSPSC	26-12-16-03
eClass 5.1	27-24-22-14	eClass 6.2	27-06-03-07
eClass 7.1	27-06-03-07		

### Approvals

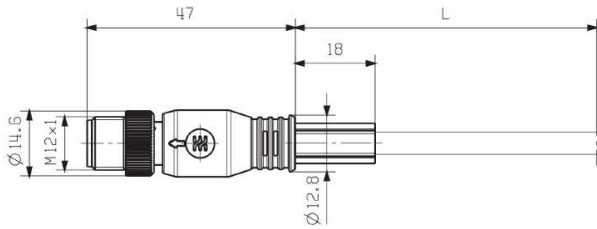
Approvals	
ROHS	Conform

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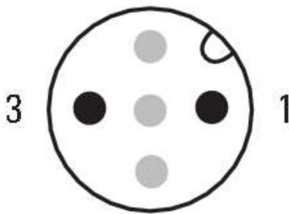
**Zeichnungen**

**Dimensioned drawing**



Male, straight

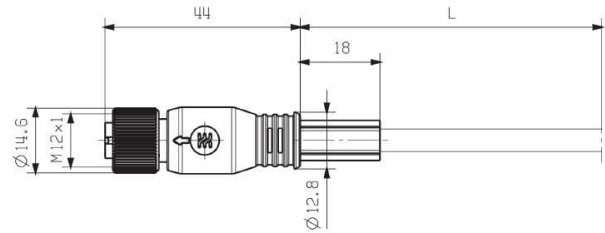
**Pole scheme**



Pin

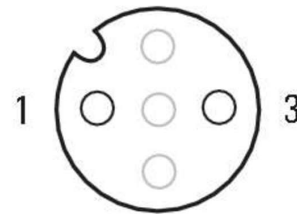
**Wiring diagram**

**Dimensioned drawing**



Straight socket

**Pole scheme**



Socket

**The ideal tool, the 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