Sensor cable Typ E



4-pole, M12-socket on free cable end, shielded, applicable for HE100.02 Ex i, Shield connected to Pin 5 of the M12-socket.

1 Technical data

1.1 General data

Ambient temperature (operation)	-40 °C ... 80 °C (cable, fixed installation) -25 °C ... 80 °C (cable, flexible installation)
Degree of protection	IP65, IP67
Special properties	Flexible cable conduit capable Silicone-free Free of substances which would hinder coating with paint or varnish Low adhesion surface
Halogen-free	In accordance with DIN VDE 0472 Teil 815 DIN EN 50267-2-1
Flame resistance	In accordance with to UL 758/1581 FT2 DIN EN 60332-2-2 (20 s)
Resistance to oil	In accordance with DIN EN 60811-2-1
Other resistance	Highly resistant to acids, alkaline solutions and solvents hydrolysis and microbe resistant resistant to salt water partly UV-resistant in accordance with DIN EN ISO 4892-2-A abrasion-resistant

1.2 M12-socket

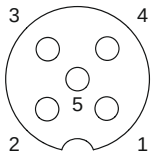
Number of positions	5
Coding (by standard)	A-coding according to IEC 61076-2-101
Material of grip body	TPU, hardly inflammable, self-extinguishing
Material of knurl	Zinc die-cast, nickel-plated

1.3 Cable

Outer sheath, material	PUR, blue
Material conductor isolation	PP
Conductor cross section	4x 0,34 mm²
Wire colors	Brown, white, blue, black
Shielding	Tinned copper braided shield, optical shield covering 80%
Dimensions	External cable diameter 4,95mm ±0,2mm 50mm stripping length of the free conductor end

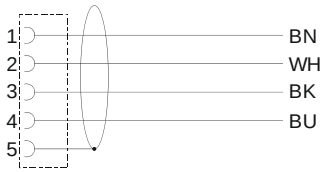
2 Drawings

Schematic diagram



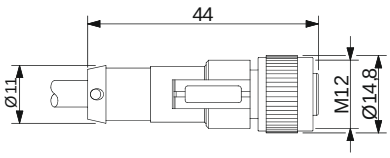
Contact assignment M12-socket

Circuit diagram



Contact assignment free cable end

Dimensional drawing



All dimensions in mm

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3 Ordering data

Available standard cable lengths (Item No.)	2m (11141), 5m (11142), 10m (11143), 15m (11661), 20m, (11662), 25m (11670), 30m (11671)