22260653

DATA SHEET

Valid from: 12.09.2019

AB-C5-M12MSB-PG9-SH-AU



Product description

connector for bus-systems, straight plug, 5-pos., M12, shielded, gold-plated, B-coded, screw connection, metal knurl, Pg9



General properties

Ambient temperature (operation) -40 to +85 °C (-40 to 185 °F)

Protection degree IP 67
Number of pins 5

Outer diameter, cable 6 – 8 mm

Termination type screw connection

Termination cross section, AWG 24 – 18

Termination cross section, mm² 0.25 – 0.75 mm²

Mating cycles ≥ 100

Electrical properties

60 V Rated voltage Contact resistance ≤ 3 mΩ Insulation resistance \geq 100 M Ω ≥ 1.0 kV Proof voltage, contact-contact ≥ 1.0 kV Proof voltage, contact-housing Rated current 4 A Overvoltage category Ш Pollution degree 3

Materials

Contact carrier PA 66
Contact carrier, inflammability class in acc. to UL 94
Contacts, base material CuZn
Contacts, surface Au

Locking nut Die-cast zinc, Ni plated Grip body Die-cast zinc, Ni plated

Sealing NBR / FKM

Standards

Product standard M12-Connector acc. to DIN EN 61076-2-101

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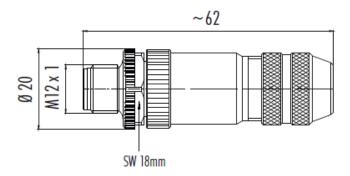
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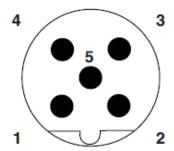


Technical Drawings

12.09.2019



Pin assignment



Note

Photographs are not true to scale and do not represent detailed images of the respective products.

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