22260784

DATA SHEET

Valid from: 14.05.2020

AB-PC4-M12MS-(L*)PUR-M12FS



Product description

Sensor/actuator cable, 4-pos., PUR black, straight plug M12 on straight socket M12.



Product variations

Article number	Article description	Length (L*) [m]
22260784	AB-PC4-M12MS-0,3PUR-M12FS	0.3
22260785	AB-PC4-M12MS-1,0PUR-M12FS	1.0
22260786	AB-PC4-M12MS-2,0PUR-M12FS	2.0
22260787	AB-PC4-M12MS-5,0PUR-M12FS	5.0
22260788	AB-PC4-M12MS-10,0PUR-M12FS	10.0

This datasheet is also valid for other length configurations. Other lengths upon request.

M12 connector

General properties

Coding

Protection degree IP65/IP67/IP68

Number of contacts

Ambient temperature -25 °C to +90 °C

Rated voltage 250 V Rated current 4 A Insulation resistance \geq 100 M Ω Contact resistance $\leq 5 \text{ m}\Omega$ Overvoltage category Ш Pollution degree 3 Tightening torque 0.4 Nm

Mating cycles 100

Materials

Contact carrier TPU GF Contact carrier, Inflammability class in accordance ΗВ

with UL 94

CuSn Material, contacts Contact surface Ni/Au TPU Material, grip body

Material, knurl zinc die-cast, nickel-plated

Material, sealing **NBR**

Creator: MANA2/PDP	Document: DB22260784EN	Page 1 of 3
Released: IVSE1/PDP	Version: 06	

22260784

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Cable

Signal line, construction 42 x 0.15 mm

Signal line, AWG

Conductor, material stranded of bare copper wire

Conductor, cross-section 0.75 mm²

Number of cores

Core identification code brown (1), white (2), blue (3), black (4)

Outer diameter, core insulation 1.27 mm

Core insulation, material PVC

Outer sheath PUR

Outer sheath, colour grey-black similar to RAL 7021

Outer diameter, cable 5.9 mm

Ambient temperature, fixed installation $$-25\ ^{\circ}\text{C}$$ to +80 $^{\circ}\text{C}$$ Ambient temperature, flexing $$-5\ ^{\circ}\text{C}$$ to +80 $^{\circ}\text{C}$$

Minimum bending radius, fixed installation 5 x cable diameter Minimum bending radius, flexing 10 x cable diameter

Travel length5 mTravel speed3 m/sAcceleration 5 m/s^2 Number of bending cycles2.000.000Nominal voltage≤ 300 VTest voltage≥ 3000 V

Flame retardance flame retardant acc. to UL 758/1581 (horizontal)

UL 758/1581 FT2

Oil resistance oil resistant acc. to DIN EN 60811-2-1

resistant to hydrolysis and microbes

Other resistances resistant to sea water

low-adhesion abrasion-resistant

Standards/Approvals

Product standard, M12 connector IEC 61076-2-101

22260784

DATA SHEET

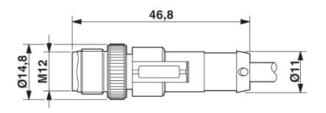
Valid from: 14.05.2020

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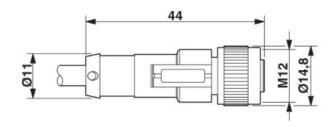


Drawings

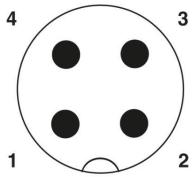
Dimensioned drawing, M12 plug



Dimensioned drawing, M12 socket



Pin assignment

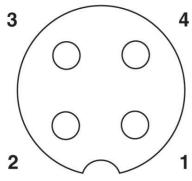


Cable

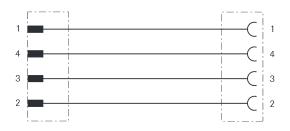


Core identification code: brown (1), white (2), blue (3), black (4)

Pin assignment



Wiring diagram



Application range

Automation, industrial machinery and plant engineering

Note

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

Creator: MANA2/PDP	Document: DB22260784EN	Page 3 of 3
Released: IVSE1/PDP	Version: 06	