22260085

DATA SHEET

Valid from: 12.09.2019

AB-C4-M12FS-M16-PO-0,5



Description

S/A flush-type socket, 4-pos., M12, A-coded, quick locking, front/screw mounting with M16 thread, can be positioned, 0.5 m TPE litz wire, $4 \times 0.34 \text{ mm}^2$

General data

Length of cable

 Rated current at 40°C
 4 A

 Rated voltage
 250 V

 Number of positions
 4

 Contact resistance
 ≤ 3 mΩ

 Insulation resistance
 ≥ 100 MΩ

Ambient temperature (operation) -25 °C ... 85 °C (Male connector / female connector)

0.5 m



Standards/regulations M12 connector IEC 61076-2-101

Coding A - standard

Surge voltage category

Pollution degree

Degree of protection

Contact material

Contact surface material

II

3

Pollution degree

CuZn

Ni/Au

Contact carrier material PA 66

Material, knurls Zinc die-cast, nickel-plated

Sealing material NBR

Mounting type Front mounting M16 x 1.5 with locking nut

Connection method Individual wires

Status display No

Conduct data

Cable type TPE litz wire
Conductor cross section 0.34 mm²

AWG signal line 22

Conductor structure signal line 7x 0.25 mmCore diameter including insulation $1.2 \text{ mm} \pm 0.07 \text{ mm}$

Thickness, insulation 0.21 mm

Wire colors black, brown, blue, white, gray

Insulation resistance $\geq 20 \text{ M}\Omega^*\text{km}$ Conductor resistance $\leq 57.6 \text{ m}\Omega/\text{m}$

Nominal voltage, conductor 300 V

Test voltage, conductor 2000 V AC

Material conductor insulation TPE

Conductor material Tin-plated Cu litz wires

Ambient temperature (operation) -25 °C ... 90 °C (cable, fixed installation)

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Released: IVSE1/PDP Version: 03

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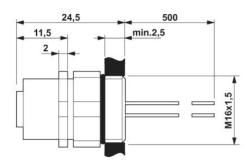
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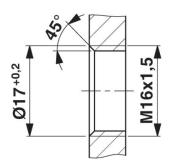


Technical drawings and dimensions

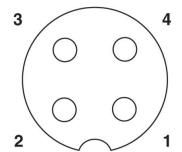
Dimensional drawing



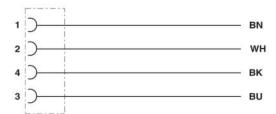
Dimensional drawing



Drawing



Circuit diagram



Application range

Connection of enclosures and cabinets

Note

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

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