Description

- Sensor/Actuator flush-type socket, 5-pos., A-coded, M12 quick locking

- Front/screen mounting with M16 thread, can be positioned, with 0.5 m TPE litz wire, 5 x 0.34 mm^2

General characteristics

Number of poles	5
Connection method	Individual wires
Mounting type	Front mounting M16 x 1.5 with locking nut
Length of cable	0.5 m
Status indicator	No
Coding	A-standard
Degree of protection	IP 67
Ambient temperature (operation)	-25 to +90 °C (-13 to 194 °F) (cable fixed installation)
	-25 to +85 °C (-13 to 185 °F) (connector)

Electrical properties

Rated voltage	60 V
Rated current at 40 °C	4 A
Surge voltage category	II
Pollution degree	3
Insulation resistance (min.)	100 MΩ
Contact resistance (max.)	3 mΩ

Mechanical properties

Connector

Contact, material	CuZn
Contact surface, material	Ni/Au
Contact carrier, material	PA 66
Knurl, material	Zinc die-cast (nickel-plated)
Sealing, material	NBR

Line

Cable type	TPE litz wire
Conductor, material	Tin-plated Cu litz wires
Conductor insulation, material	TPE
Wire colours	Black, brown, blue, white, gray
Conductor diameter including insulation	1.2 mm ±0.07 mm
Thickness, insulation	0.21 mm
Conductor cross section	0.34 mm^2
Conductor structure signal line	7 x 0.25 mm
AWG signal line	22
Insulation resistance (min.)	20 MΩ*km
Conductor resistance (max.)	57.6 mΩ/m
Nominal voltage, conductor	300 V
Test voltage, conductor	2000 V AC

Standard

M12-connector   IEC 61076-2-101

Technical drawing

Dimensional drawing

Dimensional drawing

Drawing

Circuit diagram
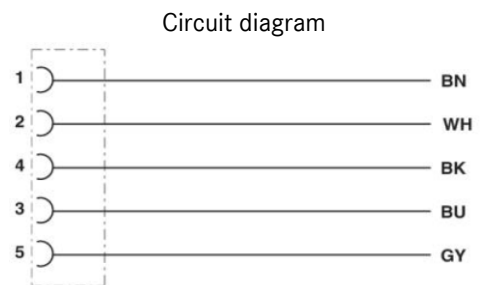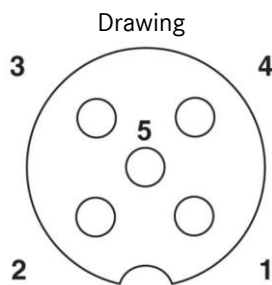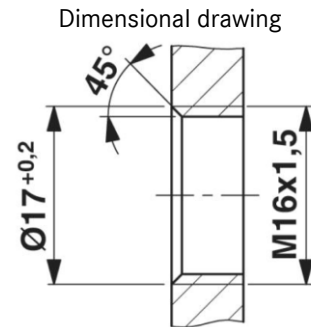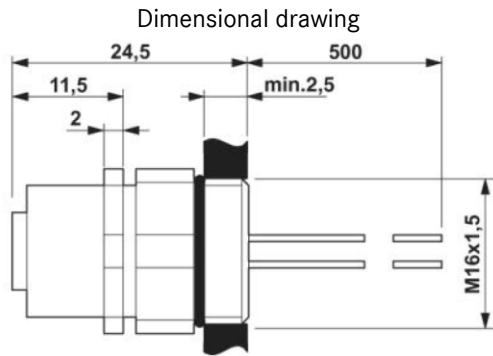
Application range

Connection of enclosures and cabinets

Note

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