

Technical data sheet

Actuator sensor interface · M12 panel jack

M12 connectors panel mounted using M16 thread

Female - A coded

0.5 m TPE wire



Identification

Type	KUGE-M12 5pol. 0,5m Litze
Part No.	490065

Product version

Datasheet version	00
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General

Design	M 12×1
Form male 1	M 12 female straight
Rated insulation voltage	60 V
Test voltage	1500 V
Degree of pollution	3
Insulation resistance	>100 MΩ
Contact resistance	<3 mΩ
Flamability according to UL 94	V0
Degree of protection	IP67
Housing material	Zinc die-casting
Contact material	CuZn, gold-plated
Thread material	CuZn nickel-plate
Material sealing ring	NBR
Mounting	Front installation Fastening thread M16 × 1,5
Number of conductors/cross-section	0.34 mm ² (7×0.25 mm)
Conductor insulation	TPE
Cable diameter	1.25 mm

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Storage temperature range	-40 °C ... +85 °C
Temperature range connector	-25 °C ... +85 °C
Mechanical service life	>100 insertion cycles
Cross-section, metric	0.34 mm ²
Connection type	M 16
Weight/unit	0.021 kg
PU (units)	1

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Operating voltage max.	60 V
Rated current	4 A
Pole number	5
Cable length	0.5 m
Coding	A

Equipment/Spare parts

Accessories

Counter nut M16: Part-No. 600361 | GMS M16 | PU: 100 units

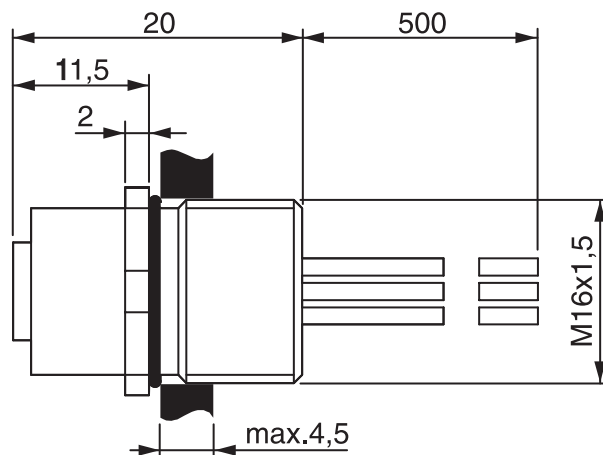
Notes and Comments

Comments

Connection assignment Pole / wire color:

1/ BN (Brown) – 2/ WH (White) – 3/ BU (Blue) – 4/ BK (Black) – 5/ GY (Grey)

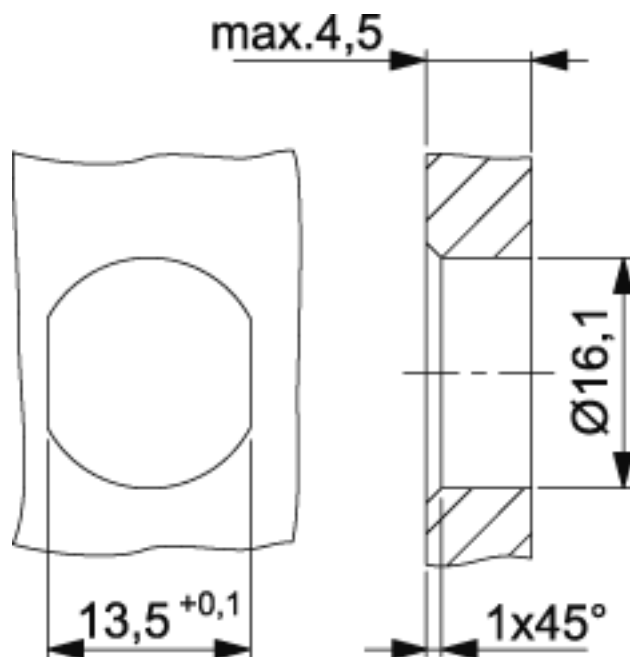
Dimensions



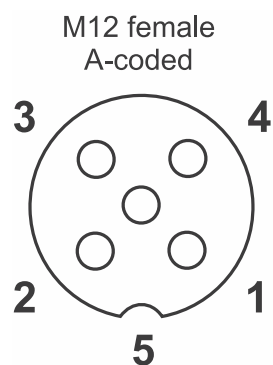
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Mounting diagram



Pin layout



Circuit diagram

