

Technical data sheet

Actuator sensor interface · M12 panel jack

M12 connectors panel mounted using M16 thread

Male - A coded

0.5 m TPE wire



Identification

Type	STGE-M12 8pol. 0,5m Litze
Part No.	490069

Product version

Datasheet version	00
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General

Design	M 12×1
Form male 1	M 12 male straight
Form male 2	M 12 female straight
Rated insulation voltage	30 V
Test voltage	800 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
Mounting	Front installation Fastening thread M16 × 1,5
Number of conductors/cross-section	0.25 mm ² (14×0.15 mm)
Conductor insulation	TPE
Cable diameter	1.15 mm

United Kingdom: LÜTZE Ltd.

Unit 3, Sandy Hill Park
Sandy Way, Amington • GB-Tamworth, Staffs B77 4DU
Tel. +44 (0)1827 31333-0 • Fax +44 (0)1827 31333-2
www.lutze.com • sales.gb@lutze.co.uk

Germany: Friedrich Lütze GmbH

Postfach 12 24 (PLZ 71366) • Bruckwiesenstraße 17-19 • D-71384 Weinstadt
Tel. +49 (0)7151 6053-0 • Fax +49 (0)7151 6053-277(-288)
www.luetze.de • info@luetze.de

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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	0.25 mm ²
Connection type	M 16
Weight/unit	0.025 kg
PU (units)	1

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Operating voltage max.	30 V
Rated current	2 A
Pole number	8
Cable length	0.5 m
Coding	A

Equipment/Spare parts

Accessories

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

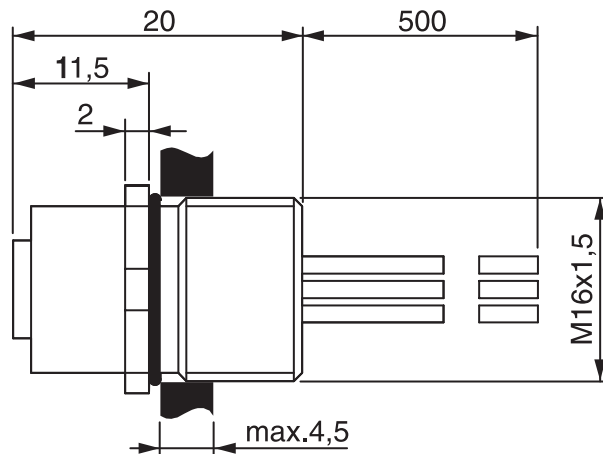
Notes and Comments

Comments

Connection assignment Pole / wire color:

1/ WH (White) – 2/ BN (Braun) – 3/ GN (Green) – 4/ YE (Yellow) – 5/ GY (Grey) – 6/ PK (Pink) – 7/ BU (Blue) – 8/ RD (Red)

Dimensions



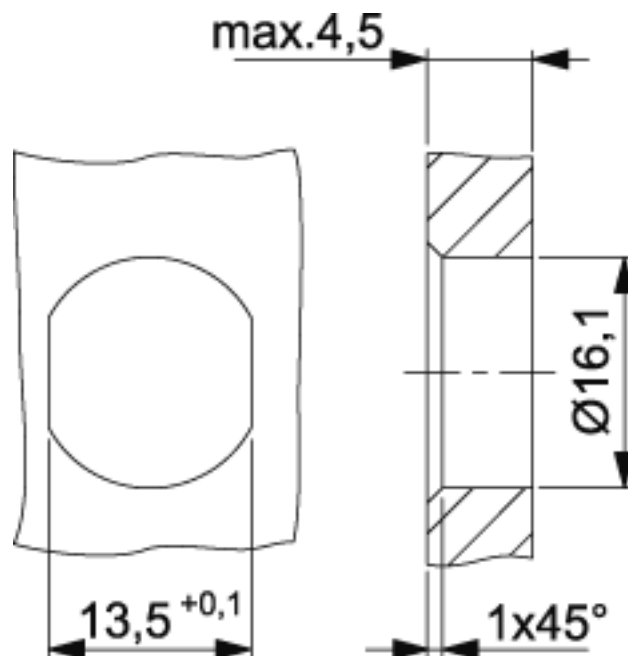
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PIN assignment

M12	
1	WH
2	BN
3	GN
4	YE
5	GY
6	PK
7	BU
8	RD

Mounting diagram



Pin layout

