

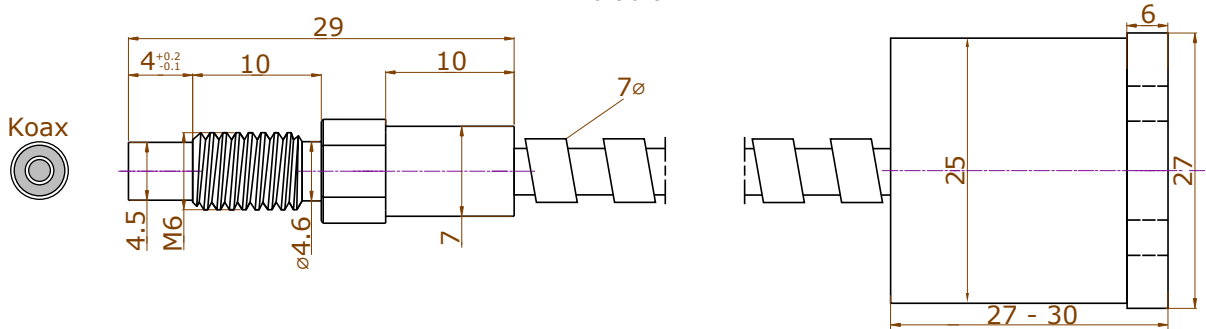
MSM-****-02-T-GR-M6/Koax Fibre optics



- Fibre optics with chromium plated brass protection sheath and stainless steel reinforcement for proximity switch measurement arrangements.

Technical Data	MSM-****-02-T-GR-M6/Koax
Total length	****=Length in mm, 200/500/1000/1500/2000 (Overall length)
Active fibre optic diameter	2mm
Active cross-sectional area	3.14mm ² (Transmitter and receiver fibres split)
Single fiber diameter	50um
Average transmission	50-70% at 880nm
Optical acceptance angle	approx. 65° at 880nm
Minimum bending radius	30mm (Single bend)
Materials	protection sheath: Chromium plated brass probe tip: Special steel, 1.4305 adaption probe tip: Special steel, 1.4305
Enclosure rating	IP68
Ambient working temperature range, T _{amb}	-20°C up to +200°C

Dimensions



Operating Manual / EU-declaration of conformity

Function

The fibre optics series MSM-****-02-T-GR-M6/Koax are designed for the construction of proximity switch measurement method arrangements in locations with high ambient temperatures. The fibre optics must not be buckled or laid with a small radius. Buckled or bad laid fibre optics results to a strong decrease of performance. Avoid performance decreasing and failures caused by wear, by a functional mounting of the fibre optics.

General safety

When installing and operating the product, it is necessary to take into consideration all relevant international and other national regulations.

Maintenance

No special maintenance is required. Protect the product and any optical ports (if applicable) from pollution. Clean with **non-aggressive** solvents only. Strong solvents may damage certain fibre optics. The equipment must only be repaired or serviced by the manufacturer.

General notes and disposal

We reserve the right to modify our products. Our products are designed in such a way, that it has the least possible adverse effect on the environment. It neither emits or contains any damaging or siliconized substances and use a minimum of energy and resources. No longer usable or irreparable units must be disposed of in accordance with local waste disposal regulations.

EU-Declaration of Conformity

The product meets the requirements of the following standards and directives:
 EN IEC 60079-0:2018, IEC 60079-28:2015, IEC 60079-31:2013, ATEX directive 2014/34/EU,
 Machine directive 2006/42/EC, RoHS directive 2011/65/EU
 Pablo Ledergerber, Matrix Elektronik AG, is authorized to generation of documentation.
 The conformity of the devices with all used standards, directives and EC-type examination certificates and the observation of the Quality Management System ISO 9001:2015, declares:

Ehrendingen, 23.9.2024



Pablo Ledergerber, Matrix Elektronik AG

MSM-xxxx-02-T-GR-M6_Koax_e1/2024-09-23/MP

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