

# Proximity sensor module SMT-/SME-10M

**FESTO**



## A firm hold

Festo's new proximity sensor module SM...-10M brings together what belongs together: a wide range of drive units with a new dimension of reliability and economic efficiency.

### More economical by design

- Quicker to install: a free choice of cable length makes re-assembly unnecessary.
- Fully compatible with all Festo drives which have C-slots and round cylinders with corresponding mounting kits.
- Maximum application versatility thanks to the freely configurable cable length and connection technology.
- In-house sensor production guarantees system competence and product diversity. This means nothing is left to be desired with proximity sensors from the Festo range, be they the heat-resistant, welding-splash-proof, Atex or 230 V model.

### Total safety

- Sturdy central mounting guarantees that the sensor is securely screwed into the slot. Vibration, shock and tensile forces applied to the cable will neither cause the sensor to come loose nor lead to unreliable sensor functioning.
- Even critical applications over long periods of time are safely under control: all reed switches with description SME-10M are equipped with internal protective circuits to increase their service life.
- All sensors have cables suitable for use in energy chains and on robots as standard. This ensures maximum dependability and process reliability.



product  
design  
award

2009



Focus Open  
Silber 2009



reddot design award  
winner 2009



Position and screw in



Fits every time



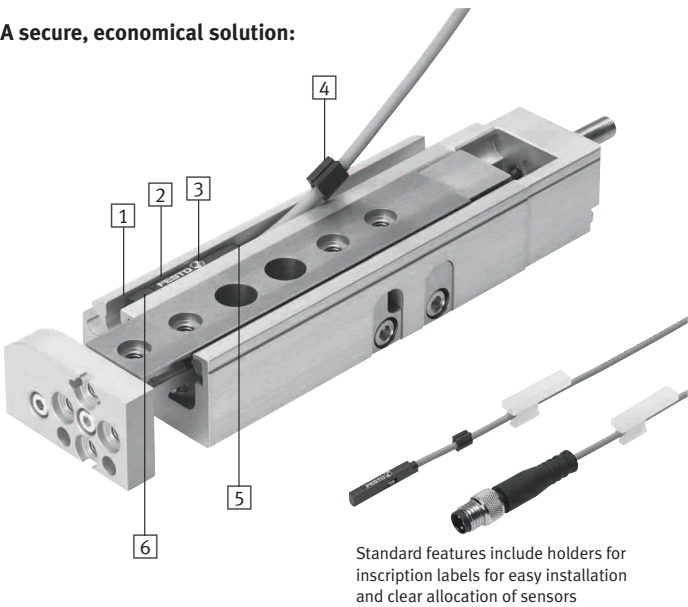
A firm hold

**306.7.PSI** →

Product Short Information

# Proximity sensor module SMT-/SME-10M

## A secure, economical solution:



Standard features include holders for inscription labels for easy installation and clear allocation of sensors

- 1

Does not protrude beyond the cylinder slot and makes compact applications possible
- 2

Maximum reliability of reed designs, even for critical applications (capacitance, inductance), thanks to the internal protective circuit
- 3

Can be mounted from above at the central attachment point using a standard Allen key (1.5 mm). Firm hold even when subjected to vibrations or tensile loads, thanks to being securely fitted in the slot
- 4

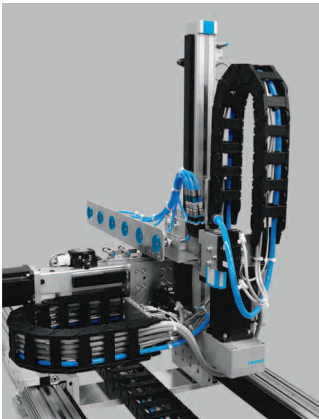
Cable clip (standard feature) ensures that the cable is securely locked in the slot and prevents error loads and failures due to wire breaks
- 5

Sturdy cable anchoring supports tensile forces up to 40 N
- 6

Easy adjustment with switching point marking on the housing

SMT/SME-10M	Modules for reed and non contacting proximity sensors
Switching output	2-wire N/O contact 3-wire N/O contact 3-wire PNP N/O contact 3-wire NPN N/O contact 2-wire PNP N/O contact
Operating voltage	24 VDC
Line quality	Energy chain + robot
Line length	Reed: 0,2 m – 10 m Non-contacting: 0.2 m – 30 m 0.2 – 5.0 m in 0.1 m steps 5.0 – 30 m in 0.5 m steps
Connection technology	M8 rotatable thread M8 snap collar M12 Open end
Line sheath	PUR
Properties of energy chain + Robot	Very good oil resistance, very good flex-torsion properties, suitable for use with energy chains, halogen-free
Reed switch SME	With built-in protective circuit to increase service life
Non-contacting SMT	Short circuit protection, reverse polarity protection, overload protection
Protection classes	IP65 and 68
Reproducibility	± 0.1 mm

The suitability of the cables for energy chains and on robots provides reliability in all environments.



## Extensive array of accessories

Kits for round and tie rod cylinders, connecting cables, T-pieces, cable clips in packs of ten.



## Festo AG & Co. KG

Ruiter Strasse 82  
73734 Esslingen  
www.festo.com  
Tel. +49 711 347 0  
Fax +49 711 347 21 44  
service\_international@festo.com