

Modular Cylinder Sensor System SMT-8M-A

FESTO

100%
functionality



Universal and safe

Highlights

- Very easy to position
- One for all
- Highly durable

Always works: the modular cylinder sensor system SMT-8M-A is completely reliable in combination with Festo drives – they have been harmonised perfectly and are easy and safe to install. The standard features energy chain and robot ensure best line quality, which guarantees significantly higher system availability and more flexibility.

Maximum economic efficiency

No time-consuming re-ordering of special variants and expensive stock-keeping is necessary anymore. With IP65, IP68 and IP69k, they can also be used in rough environments.

Frost-proof!

As the first electronic sensors ever, they are also suitable for low temperatures of down to -40°C .

Maximum reliability

The installation aid in the form of a second LED visually indicates the safe installation position. This prevents permanent switching point losses, e.g. due to setting behaviour of the drive, vibrations or shock.

SMT-8M-A = simply safely installed

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Advantages

- **Installation aid**
Due to second LED: indication of the safe switching position by means of LED signal
- **Single-hand installation:**
Specially shaped strain relief on the cable outlet which automatically holds the sensor when it is pressed in
- **Cable quality**
Energy chain + robot as standard configuration: maximum cable quality without any ordering via modular system necessary and without any additional costs
- **Lower temperature range**
Down to $-40\text{ }^{\circ}\text{C}$: first electronic switch for low-temperature applications
- **Upper temperature range**
Up to $+85\text{ }^{\circ}\text{C}$
- **Operating voltage range**
 $5 \dots 30\text{ V}$: for direct integration of the output signal in TTL circuits



Technical data

SMT-8M-A	Modular system for cylinder sensors
Switching output	3-wire PNP N/O contact 3-wire NPN N/O contact 3-wire PNP N/C contact 3-wire NPN N/C contact 2-wire N/O contact
Operating voltage	24 V DC
Line quality	Energy chain + robot
Line length	0.1 m ... 30 m (0.1 ... 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
Cable sheath	PUR
Line properties (energy chain + robot)	Very high oil resistance, very good reverse bending properties, suitable for use with energy chains, halogen-free
SMT non-contacting	Short circuit protection, reverse polarity protection, overload protection
Protection classes	IP65, IP68, IP69k
Reproducibility [mm]	± 0.1
Standard accessories	Holder for inscription label and cable clip for secure cable fastening in the groove