



# The low-cost alternative. T-slot reed sensors.



T-slot cylinder sensors for the AC/DC voltage range up to 120 V.

- Connection as 2-wire PNP/NPN possible.
- Wide temperature range of -25...70 °C.
- Connection via cable, M8 or M12 connector.
- Self-locking mechanism for easy single-handed installation.
- Convenient: easy and quick fit "drop from the top" into a slot.

AC / DC version	Cable and M8/M12 connector	Easy-to-use	IP 67
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### One reed contact for standard applications

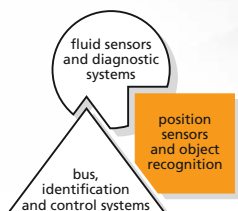
A reed element now also belongs to the family of T-slot cylinder sensors. Its response sensitivity to magnetic field changes is comparable to that of common electronic cylinder sensors.

### Good fixing and easy installation

The ifm sensor has the following advantages: it can be locked in the T-slot by its self-locking mechanism. Furthermore, the fixing at the end of the housing allows excellent strain relief.

### Adapters for almost any cylinder profile

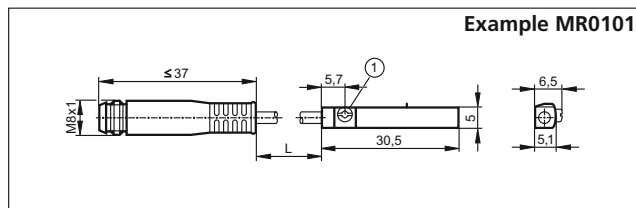
Thanks to the wide selection of adapter accessories the T-slot sensor can be fixed to almost every clean-line, tie rod, integrated profile or trapezoidal slot cylinder.



Applications: T-slot cylinder sensors for use in industrial environments such as packaging or handling machines.

Type / Dimensions [mm]	Electrical design	Operating voltage [V]	Ambient temperature [°C]	Housing material	I <sub>load</sub> [mA]	Order no.
<b>Connection cable 0.3 m PUR with M8 connector · output function <math>\overline{L}</math> · 2-wire</b>						
30.5 x 5 x 5	AC/DC, PNP/NPN	5...50 AC / 5...60 DC	-25...70	PA, stainless steel	100	<b>MR0101</b>
<b>Connection cable 0.3 m PUR with M8 connector rotatable · output function <math>\overline{L}</math> · 2-wire</b>						
30.5 x 5 x 5	AC/DC, PNP/NPN	5...50 AC / 5...60 DC	-25...70	PA, stainless steel	100	<b>MR0102</b>
<b>Connection cable 2 m PUR · output function <math>\overline{L}</math> · 2-wire</b>						
30.5 x 5 x 5	AC/DC, PNP/NPN	5...120 AC/DC	-25...70	PA, stainless steel	100	<b>MR0100</b>
<b>Connection cable 6 m PUR · output function <math>\overline{L}</math> · 2-wire</b>						
30.5 x 5 x 5	AC/DC, PNP/NPN	5...120 AC/DC	-25...70	PA, stainless steel	100	<b>MR0117</b>
<b>Connection cable 0.3 m PUR with M12 connector · output function <math>\overline{L}</math> · 2-wire</b>						
30.5 x 5 x 5	AC/DC, PNP/NPN	5...120 AC/DC	-25...70	PA, stainless steel	100	<b>MR0107</b>

**Dimensions**



1) fastening clamp

**Accessories**

Type	Description	Order no.
	Memorisation block for T-slot, PA, stainless steel	<b>E11798</b>
	Adapter for trapezoidal slot cylinders, aluminium alloy	<b>E11988</b>
	Adapter for tie rod / profile cylinders, clamping range 5...11 mm, aluminium	<b>E11797</b>
	Adapter for tie rod / profile cylinders, clamping range 9...15 mm, aluminium	<b>E11799</b>
	Adapter for SMC cylinders ECDQ2 series, aluminium	<b>E11890</b>
	Adapter for SMC cylinders CDQ2 series, aluminium	<b>E11891</b>

**Common technical data**

LED display		yellow
Repeatability	[mm]	± 0.2
Switching frequency	[Hz]	1000
Short-circuit protection		-
Reverse-polarity protection		-
Protection		IP 67, II
Hysteresis	[mm]	typ. 1
Travel speed	[m/s]	> 10
Response sensitivity	[mT]	2.1

**Connectors and splitter boxes**

Type	Description	Order no.
	Socket, M8, 3-pole, 2 m black, PUR cable	<b>E11486</b>
	Socket, M8, 3-pole, 5 m black, PUR cable	<b>E11487</b>
	Socket, M8, 3-pole, 2 m black, PUR cable	<b>E11489</b>
	Socket, M8, 3-pole, 5 m black, PUR cable	<b>E11490</b>
	Splitter box M8, 8 locations, 5 m black, PUR cable, LED	<b>E11214</b>

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