

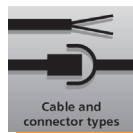
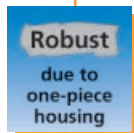
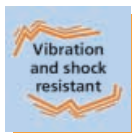
# Can be mounted even where space is at a premium.

## Robust slot-in cylinder switch for T-slot cylinders.



- Practical:** Can be easily inserted into the T-slot.
- Fast and extremely simple fixing** by means of slotted / hex-head screw.
- Robust design** due to pressed-in brass socket.
- Suitable for the most commonly used T-slots.**
- Unit variants available** with connection cable and cable plug.

Position sensors



### Fast mounting and easy setting

No additional fixing material is required. The switch is simply slotted into the position where the switch point is required. It is fixed by means of a slotted/hex-head screw.

### Long life

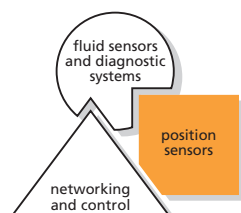
The wear-free, non-contact cylinder switch ensures an extremely long life and most reliable operation in particular with short cycle times. All this at an excellent price.

### Robust design

The switch is clamped into the slot, i.e. it is completely surrounded by it thus ensuring mechanical stability. As no part of the device protrudes from the profile there is no target for mechanical damage. Due to the pressed-in brass socket it is also very stable.

### Suitable for all of the most commonly used T-slots

The sensor is for example suitable for T-slot cylinders from the following manufacturers of pneumatic cylinders: SMC, Festo, Parker, or Bosch.



**Inductive, capacitive and magnetic proximity switches**

**Design for T-slot cylinders**  
**Actuation sensitivity 3 mT**  
**Travel speed 5 m/s**

**Active face front**  
**Plastic housing**  
**Protection rating IP 67**

**Position sensors**

Electrical design	DC PNP		DC PNP	
Connection				
Output				
Order no.	<b>MK5047</b>	<b>MK5046</b>	<b>MK5049</b>	
Operating voltage [V]	10...30 DC			
Current rating [mA]	100			
Short circuit protection, pulsed	•			
Rev. polarity / overl. protection	•			
Voltage drop [V]	< 2			
Current consumption [mA]	10			
Switching frequency [Hz]	5000			
Hysteresis [mm]	1.5			
Repeatability [mm]	0.2			
Power-on delay time [ms]	< 2			
Output status indication LED	yellow			
Operating temperature [°C]	-25...75			
Protection	IP 67			
Shock resistance b max. [g]	30			
t [ms]	11			
Vibr. resistance fv [Hz]	10...55			
a max. [mm]	1			
EMC	EN 60947-5-2; EN 50011 class B			
Housing material	plastic			
Connection	PVC cable 2 m, 3 x 0.25 mm <sup>2</sup>	PUR cable approx. 0.3 m, M8 connector	PUR cable approx. 0.3 m, M8 connector (rotatable connector thread)	
Wiring diagram				

**Sockets**

Socket type	Design	Order no.
Lumberg	2 m (PPU), straight, without LED	<b>E10353</b>
Lumberg	5 m (PUR), straight, without LED	<b>E11487</b>

Allen key for fixing the sensor included.

**Dimensions**

