

**IFM T-slot cylinder sensor MK5106 MKT3028BBPKG/G/0,3M/ZH/AS****Our Product Introduction**for more products please visit us on [plcsimatic.com](http://plcsimatic.com)**Basic Information**

- Place of Origin: Germany
- Brand Name: IFM
- Certification: CE
- Model Number: MK5106
- Minimum Order Quantity: 1
- Price: USD
- Packaging Details: 15,10 x 15,40 x 4,60
- Delivery Time: 10-12Days
- Payment Terms: L/C, T/T
- Supply Ability: 100

**Product Specification**

- Connection Type: M12 Connector
- Output Signal: 4-20mA
- Response Time:  $\leq 10$  Ms
- Measurement Range: -50°C To 150°C
- Mounting Type: Threaded
- Housing Material: Stainless Steel
- Supply Voltage: 10-30V DC
- Accuracy:  $\pm 0.2^\circ\text{C}$
- Certifications: CE, UL, RoHS
- Protection Rating: IP67
- Sensor Element: Pt1000
- Operating Temperature: -25°C To 85°C
- Cable Length: 2m



## Product Description

IFM T-slot cylinder sensor MK5106 MKT3028BBPKG/G/0,3M/ZH/AS

Okay, let's take a look at the details of the IFM T-Slot Cylinder Sensor MK5106 MKT3028BBPKG/G/0,3M/ZH/AS:

### 1. Product Name:

- IFM T-Slot Cylinder Sensor MK5106 MKT3028BBPKG/G/0,3M/ZH/AS

### 2. Description:

- The MK5106 MKT3028BBPKG/G/0,3M/ZH/AS is a T-slot cylinder sensor from IFM Electronics.
- T-slot cylinder sensors are designed to detect the position of pneumatic or hydraulic cylinder rods in industrial automation applications.

### 3. Key Features:

- Magnetic sensing technology for reliable and wear-free operation
- Robust and compact design with a stainless steel housing
- LED status indication for easy monitoring of sensor state
- PNP switching output for position detection and control
- Protection rating of IP67 for use in harsh environments

### 4. Applications:

- The IFM MK5106 MKT3028BBPKG/G/0,3M/ZH/AS T-slot cylinder sensor is suitable for a variety of industrial automation applications, such as:
- Position monitoring of pneumatic and hydraulic cylinders
- End-of-stroke detection for automated machinery
- Feedback for process control and optimization

### 5. Connectivity:

- The sensor has a 3-wire DC connection:
- 1 x Brown (L+)
- 1 x Blue (L-)
- 1 x Black (PNP switching output)
- The sensor can be easily integrated into industrial control systems and automation networks.

### 6. Capabilities:

- Magnetic sensing technology for reliable and wear-free operation
- Robust and compact stainless steel housing with IP67 protection
- LED status indication for easy monitoring of sensor state
- PNP switching output for position detection and control

### 7. Compatibility:

- The IFM MK5106 MKT3028BBPKG/G/0,3M/ZH/AS T-slot cylinder sensor is designed to be compatible with a wide range of industrial automation and control systems.
- It can be integrated with programmable logic controllers (PLCs), motion control systems, and other industrial control equipment.

The MK5106 MKT3028BBPKG/G/0,3M/ZH/AS is a robust and reliable T-slot cylinder sensor from IFM Electronics, using magnetic sensing technology to detect the position of pneumatic or hydraulic cylinder rods. Its compact stainless steel housing, LED status indication, and PNP switching output make it suitable for a variety of industrial automation applications, such as end-of-stroke detection and process control.

If you have any further questions about the IFM MK5106 MKT3028BBPKG/G/0,3M/ZH/AS T-slot cylinder sensor or need additional information, please don't hesitate to ask.

### Product characteristics

<b>Electrical design</b>	PNP
<b>Output function</b>	normally open
<b>Dimensions [mm]</b>	25 x 5 x 6.5

### Electrical data

<b>Operating voltage [V]</b>	10...30 DC; ("supply class 2" to cULus)
<b>Current consumption [mA]</b>	< 10
<b>Protection class</b>	III
<b>Reverse polarity protection</b>	yes
<b>Max. power-on delay time [ms]</b>	30

### Outputs

<b>Electrical design</b>	PNP
<b>Output function</b>	normally open
<b>Max. voltage drop switching output DC [V]</b>	2.5
<b>Permanent current rating of switching output DC [mA]</b>	200
<b>Switching frequency DC [Hz]</b>	10000
<b>Short-circuit protection</b>	yes
<b>Overload protection</b>	yes

### Detection zone

<b>Response sensitivity [mT]</b>	2.8
<b>Travel speed [m/s]</b>	> 10

### Accuracy / deviations

<b>Hysteresis [mm]</b>	< 1.5
<b>Repeatability [mm]</b>	< 0.2

### Operating conditions

<b>Ambient temperature [°C]</b>	-25...85
<b>Protection</b>	IP 65; IP 67

### Tests / approvals

E M C	EN 61000-4-2 ESD	- CD / 8 kV AD	
	EN 61000-4-3 HF radiated	10 V/m	
	EN 61000-4-4 Burst	2 kV	
	EN 61000-4-6 HF conducted	10 V	
	EN 55011	class B	
M T T F [ y e a r s ] U L a p p r o v a l	3694		
	UL Approval no.		C003
Mechanical data			
Weight [g]		12.2	
Mounting		flush mountable	
Type of mounting		fastening clamp with combined slot / hexagon socket, width across flats 1.5	
Cylinder type		T-slot cylinders	
Dimensions [mm]		25 x 5 x 6.5	
Materials		housing: PA; fastening clamp: stainless steel	





**Shenzhen Voboal Industrial Automation Co., Ltd.**



+8613760462017



sale@voboal.com



plcsimatic.com

Sienteng Zhongbao Industrial Park, Longdong Community, Baolong Street, Longgang District, Shenzhen