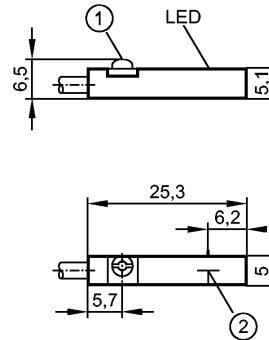


Magnetic sensors, cylinder sensors

**MK5100**

MKT3028BBPKG/G/ZH  
 cylinder sensor with GMR cell  
 Plastic housing for T-slot cylinders  
 Cable  
 flush mountable  
 Magnetic sensitivity 2.8 mT  
 Travel speed > 10 m/s



1: Fastening clamp  
 2: sensing face

Made in Germany



Electrical design	
Output	
Operating voltage	[V]
Current rating	[mA]
Short-circuit protection	
Reverse polarity protection	
Overload protection	
Voltage drop	[V]
Current consumption	[mA]
Hysteresis	[mm]
Repeatability	[mm]
Power-on delay time	[ms]
Switching frequency	[Hz]
Ambient temperature	[°C]
Protection	
EMC	
MTTF	[Years]
Housing materials	
Function display	
Switching status	LED
Connection	
Weight	[kg]
Remarks	
Accessories (included)	

DC PNP	
normally open	
Operating voltage	10...30 DC
Current rating	100
Short-circuit protection	yes
Reverse polarity protection	yes
Overload protection	yes
Voltage drop	< 2.5
Current consumption	< 10
Hysteresis	< 1.5
Repeatability	< 0.2
Power-on delay time	< 30
Switching frequency	> 10000
Ambient temperature	-25...85
Protection	IP 65 / IP 67, III
EMC	EN 61000-4-2 ESD: - CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...2000 MHz) EN 61000-4-4 Burst: 2 kV EN 61000-4-6 HF conducted: 10 V (0.15...80 MHz) EN 55011: class B
MTTF	3694
Housing materials	housing: PA (polyamide); Fastening clamp: stainless steel
Function display	
Switching status	yellow
Connection	PUR cable / 2 m; 3 x 0.14 mm <sup>2</sup>
Weight	0.028
Remarks	cULus - Class 2 source required Clamping screw with combined slot/hexagon socket head AF 1.5
Accessories (included)	rubber placeholder, cable clip

**Wiring**

Core colours

- BK black
- BN brown
- BU blue

