efector120

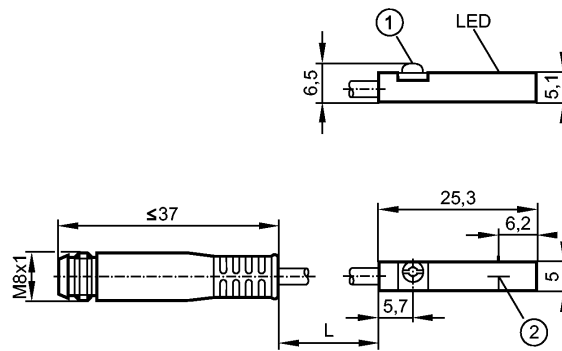## MK5101
MKT3028BBPKG/G/0.3M/ZH/AS

Magnetic sensors, cylinder sensors

1: Fastening clamp
2: sensing face

Made in Germany

CE · c(UL)us LISTED

Product characteristics	
cylinder sensor with GMR cell	
Plastic housing for T-slot cylinders	
Cable with connector	
[f] flush mountable	
Magnetic sensitivity 2.8 mT	
Travel speed > 10 m/s	

Electrical data		
Electrical design		DC PNP
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 10
Protection class		III
Reverse polarity protection		yes
Power-on delay time	[ms]	< 30

Outputs		
Output function		normally open
Voltage drop	[V]	< 2.5
Current rating	[mA]	100
Short-circuit protection		yes
Overload protection		yes
Switching frequency	[Hz]	10000

Range		
Magnetic sensitivity	[mT]	2.8
Travel speed	[m/s]	> 10

Accuracy / deviations		
Hysteresis	[mm]	< 1.5
Repeatability	[mm]	< 0.2

Environment		
Ambient temperature	[°C]	-25...85
Protection		IP 65 / IP 67

Tests / approvals		
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	[Years]	3694	

Mechanical data		
Mounting		flush mountable
Housing materials		housing: PA (polyamide); Fastening clamp: stainless steel
Weight	[kg]	0.012

Displays / operating elements		
Output status indication	LED	yellow

Electrical connection		
Connection		PUR cable / 0.3 m; with M8 connector (snap-fit)

Wiring
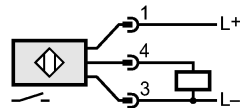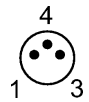
Accessories	
Accessories (included)	rubber placeholder; cable clip

Remarks	
Remarks	cULus - Class 2 source required Clamping screw with combined slot/hexagon socket head AF 1.5
Pack quantity	[piece]	1