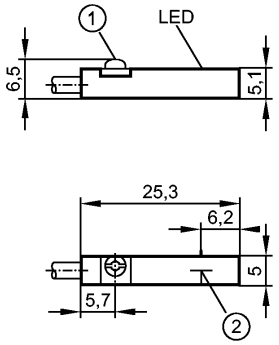
Magnetic sensors, cylinder sensors

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		DC PNP
Output		normally open
Operating voltage	[V]	10...30 DC
Current rating	[mA]	100
Short-circuit protection		yes
Reverse polarity protection		yes
Overload protection		yes
Voltage drop	[V]	< 2.5
Current consumption	[mA]	< 10
Hysteresis	[mm]	< 1.5
Repeatability	[mm]	< 0.2
Power-on delay time	[ms]	< 30
Switching frequency	[Hz]	> 10000
Ambient temperature	[°C]	-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	[Years]	3694
Housing materials		housing: PA (polyamide); Fastening clamp: stainless steel
Function display		
Switching status	LED	yellow
Connection		PUR cable / 2 m; 3 x 0.14 mm²
Weight	[kg]	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

