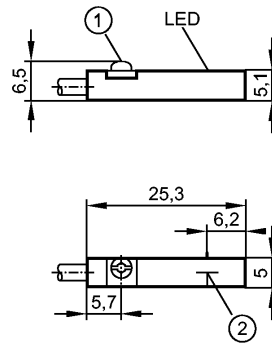


MK5100

MKT3028BBPKG/G/ZH

Magnetic sensors, cylinder sensors



- 1: Fastening clamp
- 2: sensing face

Made in Germany



Product characteristics

cylinder sensor with GMR cell
Plastic housing for T-slot cylinders
Cable
[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)
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MK5100

MKT3028BBPKG/G/ZH

Magnetic sensors, cylinder sensors

	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] 0.027

Displays / operating elements

Output status indication	LED	yellow
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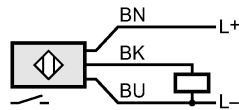
Electrical connection

Connection	PUR cable / 2 m; 3 x 0.14 mm ²
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Wiring

Core colours

- BK black
- BN brown
- BU blue



Accessories

Accessories (included)	rubber placeholder; cable clip
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Remarks

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