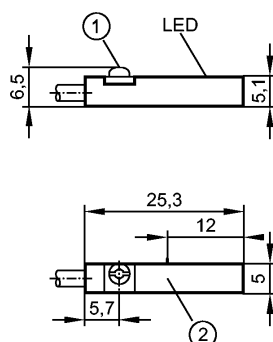


MK5140

MKT3020BBPKG/A/ZH

Magnetic sensors, cylinder sensors



- 1: Fastening clamp
2: sensing face

Made in Germany


Product characteristics

cylinder sensor with AMR cell

Plastic housing for T-slot cylinders

Cable

[f] flush mountable

Magnetic sensitivity 2 mT

Travel speed > 10 m/s

Electrical data

Electrical design	DC PNP
Operating voltage [V]	10...30 DC; "supply class 2" to cULus.
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]	6000

Range

Magnetic sensitivity [mT]	2
Travel speed [m/s]	> 10

Accuracy / deviations

Hysteresis [mm]	< 1
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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MK5140

MKT3020BBPKG/A/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]	2064

Mechanical data

Mounting	flush mountable
Housing materials	housing: PA (polyamide); Fastening clamp: stainless steel
Weight	[kg] 0.028

Displays / operating elements

Output status indication	LED	yellow
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Electrical connection

Connection	PUR cable / 2 m; 3 x 0.14 mm²
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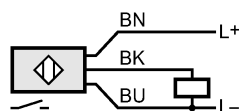
Wiring

Core colours

BK black

BN brown

BU blue



Accessories

Accessories (included)	rubber placeholder; cable clip
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Remarks

Remarks	Clamping screw with combined slot/hexagon socket head AF 1.5
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Pack quantity	[piece] 1
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