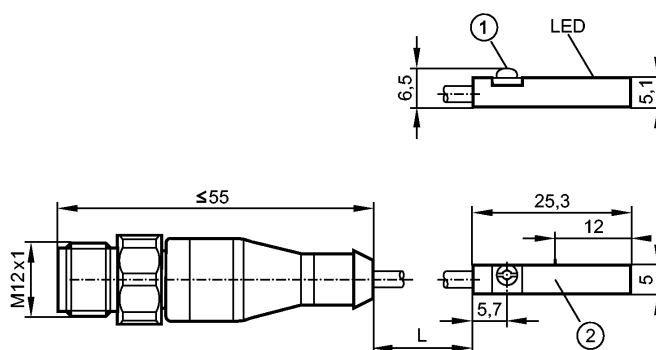


MK5157

MKT3020BBPKG/A/0.3M/-H/US

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 with connector

[f] flush mountable

Magnetic sensitivity 2.0 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]	2.0
Travel speed [m/s]	> 10

Accuracy / deviations

Hysteresis [mm]	1.0
Repeatability [mm]	< 0.2

Environment

Ambient temperature [°C]	-25...85
Protection	IP 65 / IP 67 / IP 69K

Tests / approvals

EMC	EN 61000-4-2 ESD: - CD / 8 kV AD EN 61000-4-3 HF radiated: 10 V/m (80...2000 MHz)
-----	--

MK5157

MKT3020BBPKG/A/0.3M/-H/US

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] 0.021

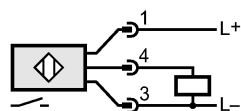
Displays / operating elements

Output status indication	LED	yellow
--------------------------	-----	--------

Electrical connection

Connection	PVC cable / 0.3 m; with M12 connector, with rotatable stainless steel hexagon nut
------------	---

Wiring



Accessories

Accessories (included)	rubber placeholder; cable clip
------------------------	--------------------------------

Remarks

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