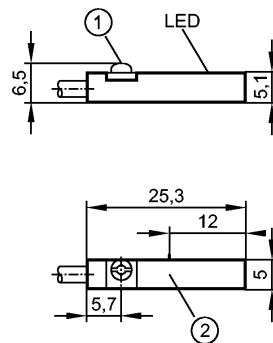


## MK503A

MKT3020BBPKG/A/6.0M/-H/3D/3G

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

ATEX approval

Group II, category 3D/3G

[f] flush mountable

Magnetic sensitivity 2 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]	6000

### Monitoring range

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

### Accuracy / deviations

Hysteresis [mm]	1
Repeatability [mm]	< 0.2

### Environment

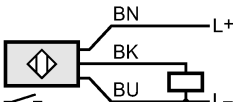
Ambient temperature [°C]	-20...60
Protection	IP 65 / IP 67

### Tests / approvals

# MK503A

MKT3020BBPKG/A/6.0M/-H/3D/3G

Magnetic sensors, cylinder sensors

Marking of the unit		<div>II 3D Ex tc IIIC T125°C Dc X</div> <div>II 3G Ex nA T4 Gc X</div>	
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]	2064
Mechanical data			
Mounting		flush mountable	
Housing materials		housing: PA (polyamide); Fastening clamp: stainless steel	
Weight		[kg]	0.104
Displays / operating elements			
Output status indication		LED	yellow
Electrical connection			
Connection		PVC cable / 6 m; 3 x 0.14 mm <sup>2</sup>	
Wiring			
Core colors			
BK	black		
BN	brown		
BU	blue		
			
Accessories			
Accessories (included)		rubber placeholder; cable clip; slot protection T-slot E12259	
Remarks			
Remarks		Clamping screw with combined slot/hexagon socket head AF 1.5 voltage supply to EN50178, SELV, PELV	
Pack quantity		[piece]	1