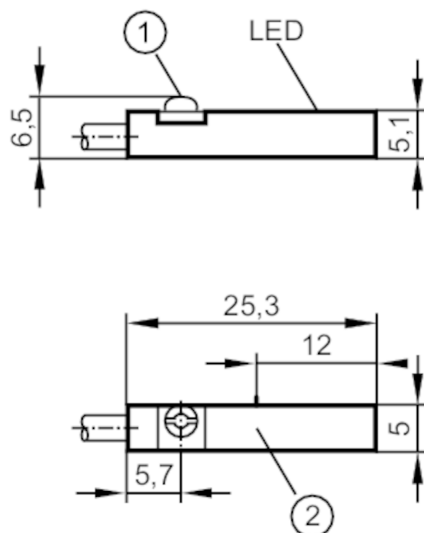


MK503A



T-slot cylinder sensor

MKT3020BBPKG/A/6,0M/ZH/3G/3D



- 1 Fastening clamp
2 sensing face



Product characteristics

Electrical design	PNP
Output function	normally open
Dimensions [mm]	25.3 x 5 x 6.5

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Protection class	III
Reverse polarity protection	yes
Max. power-on delay time [ms]	30

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100
Switching frequency DC [Hz]	6000
Short-circuit protection	yes
Overload protection	yes

Monitoring range

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

Accuracy / deviations

Hysteresis [mm]	1
-----------------	---

MK503A



T-slot cylinder sensor

MKT3020BBPKG/A/6,0M/ZH/3G/3D

Repeatability	[mm]	< 0.2	
Operating conditions			
Ambient temperature	[°C]	-20...60	
Protection		IP 65; IP 67	
Tests / approvals			
ATEX marking		II 3D Ex tc IIIC T125°C Dc X	
		II 3G Ex nA IIC T4 Gc X	
EMC	EN 61000-4-2 ESD	- CD / 8 kV AD	
	EN 61000-4-3 HF radiated	10 V/m	
	EN 61000-4-4 Burst	2 kV	
	EN 61000-4-6 HF conducted	10 V	
	EN 55011	class B	
MTTF	[years]	2064	
Mechanical data			
Weight	[g]	103.5	
Mounting		flush mountable	
Type of mounting		fastening clamp with combined slot / hexagon socket, width across flats 1.5	
Cylinder type		T-slot cylinders	
Dimensions	[mm]	25.3 x 5 x 6.5	
Material		housing: PA; Fastening clamp: stainless steel	
Displays / operating elements			
Display	Switching status	1 x LED, yellow	
Accessories			
Items supplied	rubber memory stop: 1		
	cable clip: 1		
	Protective cover: 1 x T-Nut, E12259		
Remarks			
Remarks	voltage supply to EN50178, SELV, PELV		
Pack quantity	1 pcs.		

MK503A



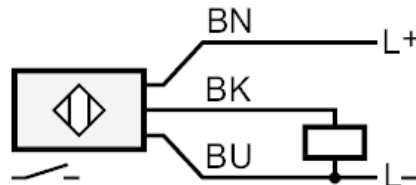
T-slot cylinder sensor

MKT3020BBPKG/A/6,0M/ZH/3G/3D

Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm²

Connection



	Core colors :
BK =	black
BN =	brown
BU =	blue