

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

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Repeatability	[mm]	< 0.2
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 65; IP 67
Tests / approvals		
Approval		BVS 24 ATEX E 046 X; IECEx BVS 24.0040X
ATEX marking		 II 3G Ex ec IIC T4 Gc
		 II 3D Ex tc IIIC T125°C Dc
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.

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Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm²

Connection



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