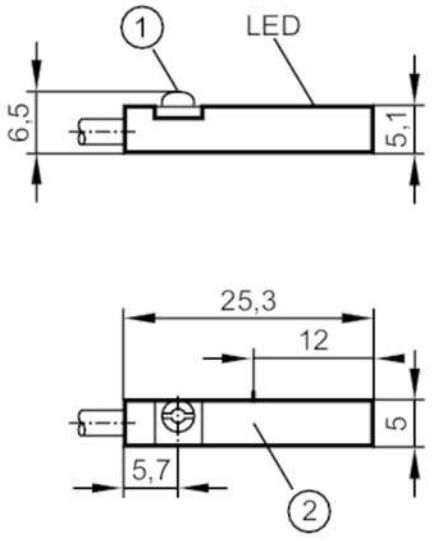
MK503A

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 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
Detection zone		
Response 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			
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 x 5 x 6.5	
Materials		housing: PA; fastening clamp: stainless steel	
Displays / operating elements			
Display		switching status	1 x LED, yellow
Accessories			
Items supplied		rubber placeholder: 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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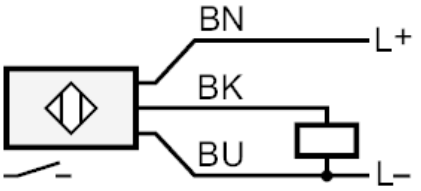
Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm²

Connection



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