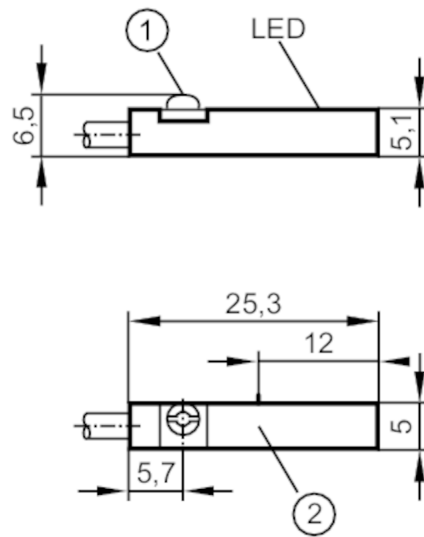


# MK503A



## T-slot cylinder sensor

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



- 1 fastening clamp  
2 Sensing face



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
Repeatability	[mm]	< 0.2
Operating conditions		
Ambient temperature	[°C]	-20...60
Protection		IP 65; IP 67

# MK503A



## T-slot cylinder sensor

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

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]	110.6	
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		
Accessories (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.	

# MK503A



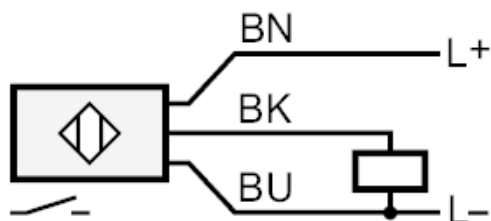
## T-slot cylinder sensor

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

### Electrical connection

Cable: 6 m, PUR; 3 x 0.14 mm<sup>2</sup>

### Connection



Core colours :

BK =

black

BN =

brown

BU =

blue