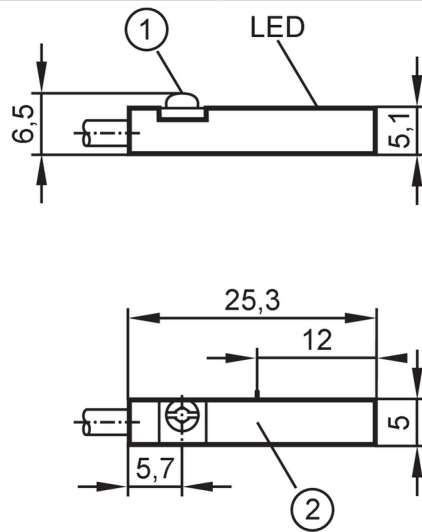


# MK502A



## T-slot cylinder sensor

MKT2020-NI--/A/6,0M/-H/1G/1D



- 1 Fastening clamp  
2 sensing face



### Product characteristics

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

### Electrical data

Connection at circuit amplifier	yes
Switching amplifiers	connection to certified intrinsically safe circuits with the max. values: U = 15 V / I = 50 mA / P = 120 mW
Nominal voltage DC [V]	8.2
Current consumption [mA]	Target not detected: $\leq 1$ ; Target detected: $\geq 2,2$
Protection class	III
Reverse polarity protection	yes

### Outputs

Electrical design	NAMUR
Output function	normally open
Switching frequency DC [Hz]	2000
Short-circuit protection	yes
Overload protection	yes

### Monitoring range

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

### Accuracy / deviations

Hysteresis [mm]	1
Repeatability [mm]	< 0.2

### Operating conditions

Ambient temperature [°C]	-25...70
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## T-slot cylinder sensor

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Protection	IP 65; IP 67	
<b>Tests / approvals</b>		
Approval	BVS 09 ATEX E164; IECEx BVS 09.0065	
ATEX marking	II 1G Ex ia IIC T4 Ga	
	II 1D Ex ia IIIC T135°C Da	
EMC	EN 61000-4-2 ESD	- kV 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 emission	class B
MTTF [years]	2142	
<b>Safety classification</b>		
Max. internal capacitance [nF]	140	
Max. internal inductance [µH]	400	
<b>Mechanical data</b>		
Weight [g]	93.9	
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	
<b>Displays / operating elements</b>		
Display	Switching status	1 x LED, yellow
<b>Accessories</b>		
Items supplied	rubber memory stop: 1 cable clip: 1	
<b>Remarks</b>		
Pack quantity	1 pcs.	

# MK502A



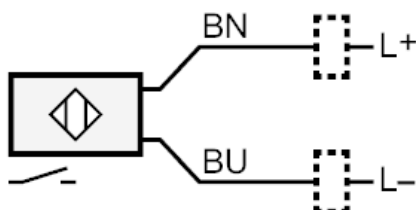
## T-slot cylinder sensor

MKT2020-NI--/A/6,0M/-H/1G/1D

### Electrical connection

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

### Connection



BN = Core colors :  
brown  
BU = blue