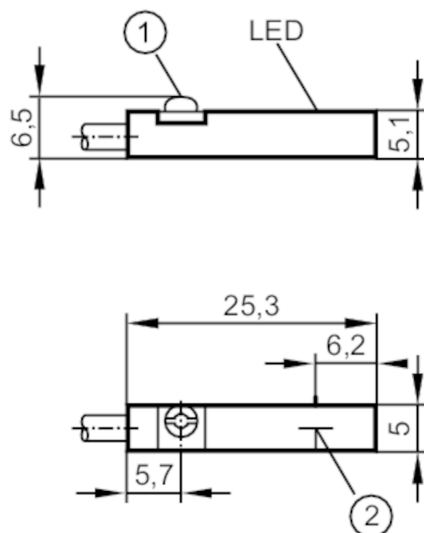


MK500A



T-slot cylinder sensor

MKT3028BBPKG/G/ZH/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]	10000
Short-circuit protection		yes
Overload protection		yes

Detection zone

Response sensitivity	[mT]	2.8
Travel speed	[m/s]	> 10

Accuracy / deviations

Hysteresis	[mm]	< 1.5
Repeatability	[mm]	< 0.2

Operating conditions

Ambient temperature	[°C]	-25...60
Protection		IP 65; IP 67

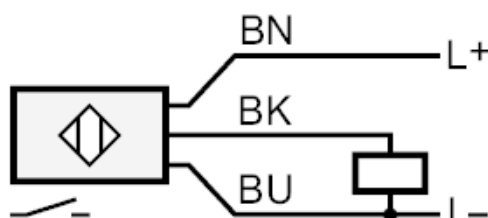
MK500A



T-slot cylinder sensor

MKT3028BBPKG/G/ZH/3D

Tests / approvals		
ATEX marking	 II 3D Ex tc IIIC T125°C Dc 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]	3694
Mechanical data		
Weight	[g]	61.7
Mounting	flush mountable	
Type of mounting	fastening clamp with combined slot / hexagon socket, width across flats 1.5	
Cylinder type	T-slot cylinders; (adapters allow mounting to different cylinder types)	
Dimensions	[mm]	25 x 5 x 6.5
Materials	PA; 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		
Pack quantity	1 pcs.	
Electrical connection		
Cable: 2 m, PUR; 3 x 0.14 mm²		
Connection		



Core colours :

BK =	black
BN =	brown
BU =	blue