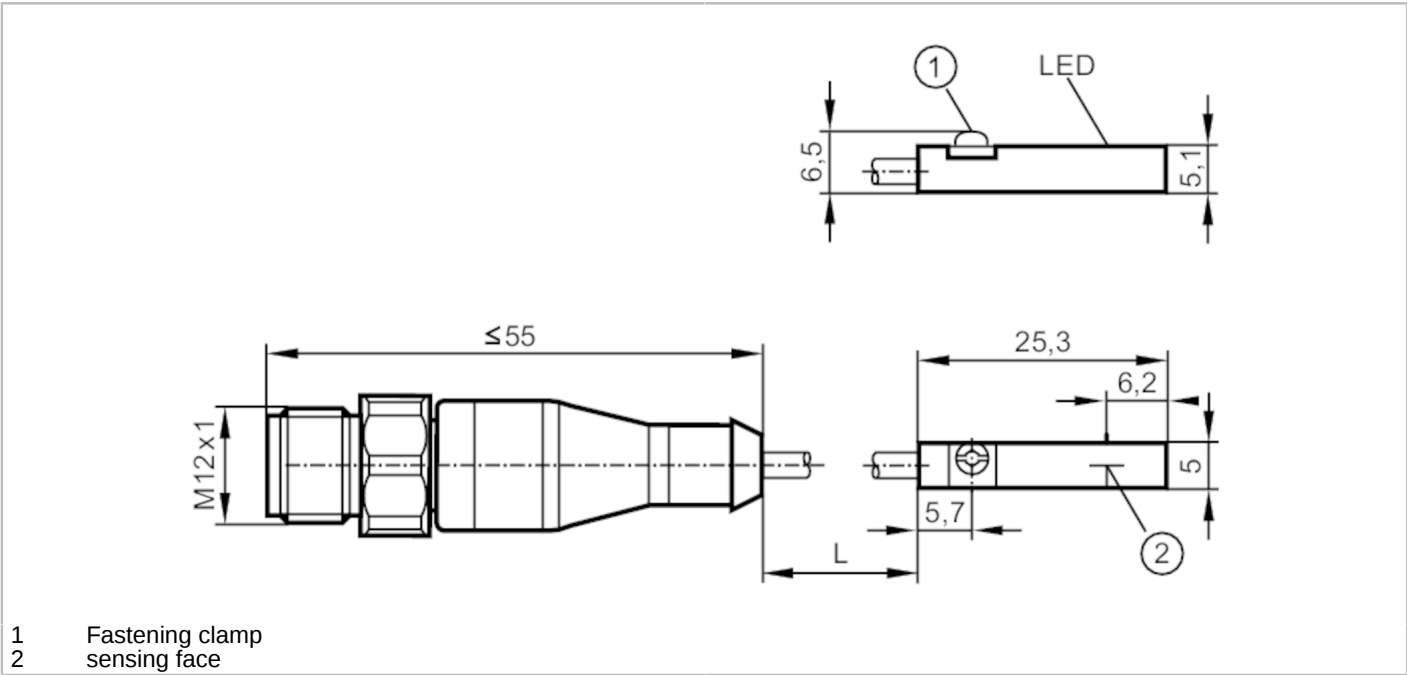


MK501A



T-slot cylinder sensor

MKT3028BBPKG/G/0,3M/ZH/US/3D/3G



- 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]	10000
Short-circuit protection		yes
Overload protection		yes
Monitoring range		
Magnetic sensitivity	[mT]	2.8
Travel speed	[m/s]	> 10
Accuracy / deviations		
Hysteresis	[mm]	< 1.5

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Repeatability	[mm]	< 0.2
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Operating conditions

Ambient temperature	[°C]	-25...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]	3694

Mechanical data

Weight	[g]	52.4
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
Material		PA; stainless steel

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

Items supplied	rubber memory stop: 1	
	cable clip: 1	
	Protective cover: 1 x T-Nut, E12259	

Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M12; coding: A; Locking: Hexagon nut, rotatable, stainless steel



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Connection

