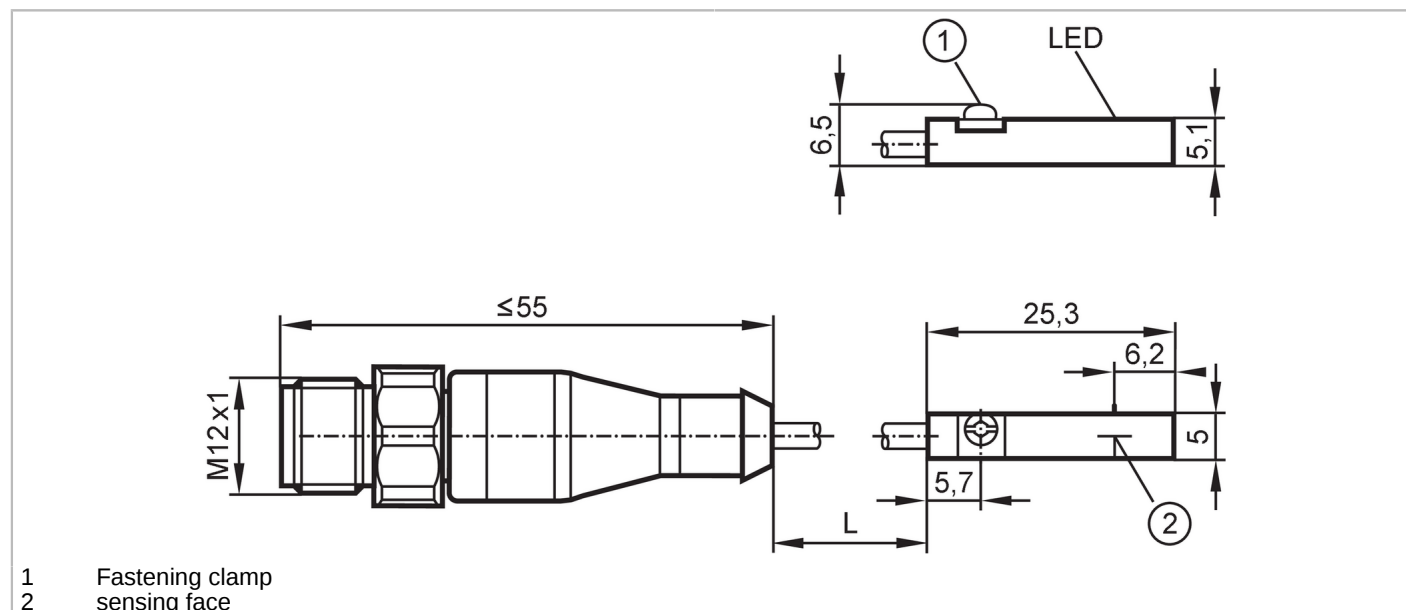


MK501A



T-slot cylinder sensor

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



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
Repeatability [mm]	< 0.2

MK501A



T-slot cylinder sensor

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

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
Accessories		
Items supplied	rubber memory stop: 1	
	cable clip: 1	
	Protective cover: 1 x T-Nut, E12259	
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.3 m, PUR		
Connector: 1 x M12; coding: A; Contacts: 4; Locking: Hexagon nut, rotatable, stainless steel		
		

MK501A



T-slot cylinder sensor

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

Connection

