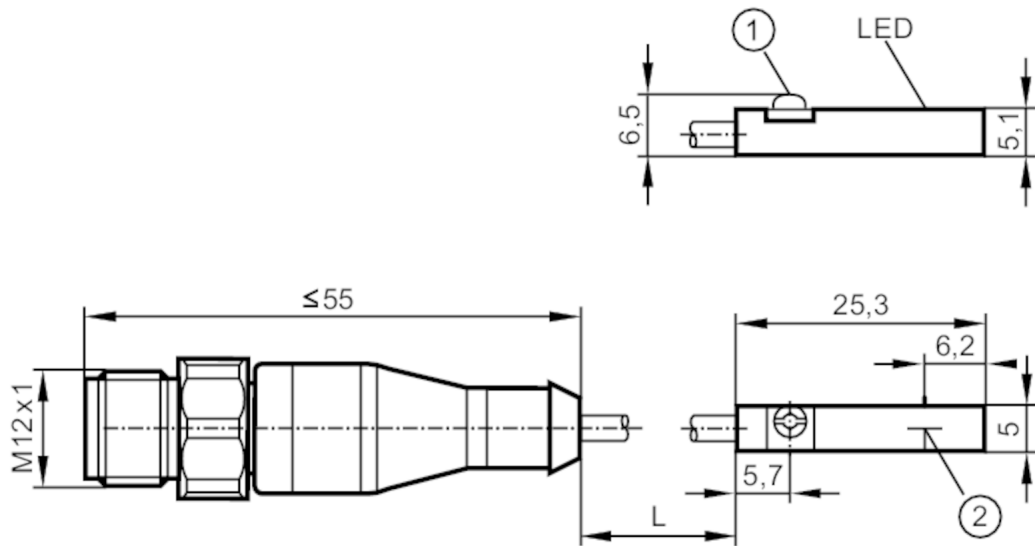


MK501A



T-slot cylinder sensor

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



- 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

Detection zone

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

Accuracy / deviations

Hysteresis [mm]	< 1.5
-----------------	-------

MK501A



T-slot cylinder sensor

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

Repeatability	[mm]	< 0.2
---------------	------	-------

Operating conditions

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

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]	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
Materials		PA; stainless steel

Displays / operating elements

Display	switching status	1 x LED, yellow
---------	------------------	-----------------

Accessories

Items supplied	rubber placeholder: 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; Locking: Hexagon nut, rotatable, stainless steel



MK501A



T-slot cylinder sensor

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

Connection

