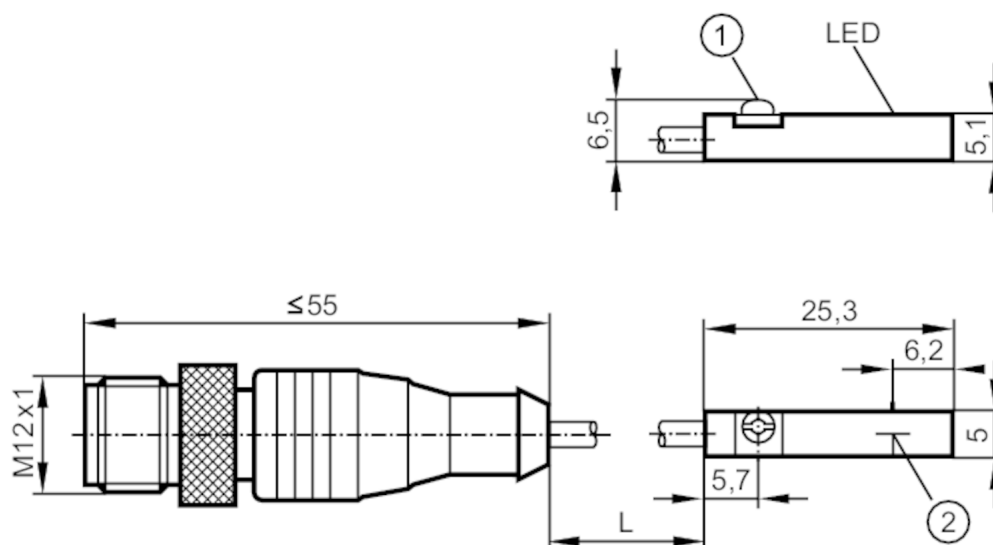


MK5109

T-slot cylinder sensor

MKT2028BARKG/G/0,3M/ZH/US



- 1 fastening clamp
2 Sensing face



Electrical data

Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
Protection class		III
Reverse polarity protection		yes
Max. power-on delay time	[ms]	30

Outputs

Electrical design		PNP/NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	4.5
Minimum load current	[mA]	5
Max. leakage current	[mA]	0.8
Permanent current rating of switching output DC	[mA]	100
Switching frequency DC	[Hz]	4000
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

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Operating conditions		
Ambient temperature	[°C]	-25...85
Protection		IP 65; IP 67
Tests / approvals		
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]	3145
UL approval	UL Approval no.	C003
Mechanical data		
Weight	[g]	21.8
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 x 5 x 6.5
Materials		housing: PA; fastening clamp: stainless steel
Displays / operating elements		
Display	switching status	1 x LED, yellow
Electrical connection		
Connection		plug
Accessories		
Accessories (supplied)		rubber placeholder: 1
		Cable clip: 1
Remarks		
Pack quantity		1 pcs.
Electrical connection - plug		
Cable: 0.3 m, PUR		
Connector: 1 x M12; Locking: knurled nut, rotatable		
		

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Connection

