

MK5103



T-slot cylinder sensor

MKT2028BARKG/G/ZH



- 1 fastening clamp
2 Sensing face



Product characteristics

Electrical design	PNP/NPN
Output function	normally open
Dimensions [mm]	25 x 5 x 6.5

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

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Accuracy / deviations		
Hysteresis	[mm]	1.5
Repeatability	[mm]	< 0.2
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]	26.6
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		PA; fastening clamp: stainless steel
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		rubber placeholder: 1
		Cable clip: 1
Remarks		
Pack quantity		1 pcs.

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Electrical connection

Cable: 2 m, PUR; 2 x 0.14 mm²

Connection



BN = Core colours :
brown
BU = blue