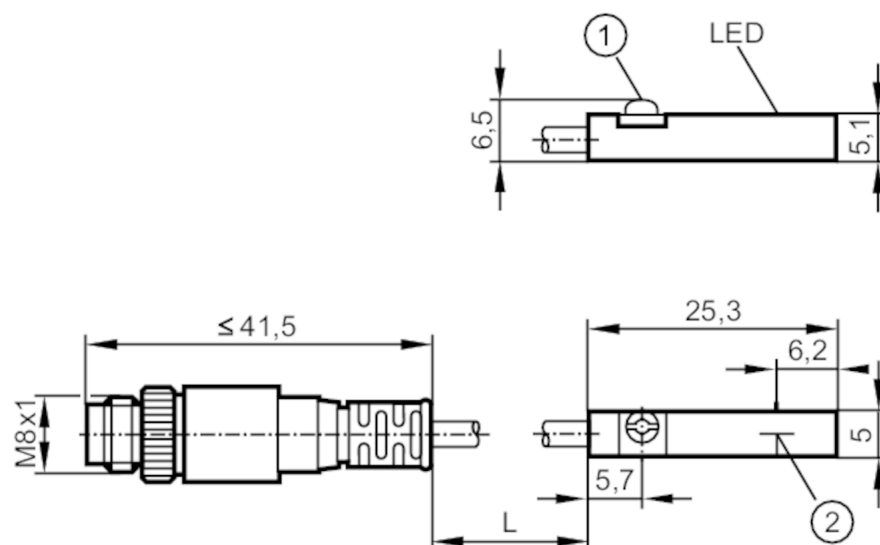


MK5215



T-slot cylinder sensor

MKT3028BBPKG/G/WFI/0,3M/ZH/ASR



- 1 fastening clamp
2 Sensing face



Product characteristics

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

Application

Special feature	Magnetic-field immune
Operating principle	suppression of extraneous fields
Application	welding applications
Magnetic-field immune	yes
Max. magnetic field immunity [mT]	200

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]	300

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]	9
Short-circuit protection	yes

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Overload protection		yes	
Detection zone			
Response sensitivity	[mT]	2.8	
Travel speed	[m/s]	< 0.25	
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
Vibration resistance	EN 60068-2-6 Fc		(10...55 Hz) / 1 mm amplitude, oscillation period 5 min., 30 min. per axis at resonance or 55 Hz
Shock resistance	EN 60068-2-27 Ea		30 g 6 shocks / 11 ms half-sine (x, y, z)
UL approval	UL Approval no.		C003
Mechanical data			
Weight	[g]	17	
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; knurled nut: PTFE coated; protective tube: PTFE coated	
Displays / operating elements			
Display	switching status		1 x LED, yellow
Accessories			
Items supplied	rubber placeholder: 1		
	Cable clip: 1		
Remarks			
Remarks	operating voltage "supply class 2" according to cULus		
Pack quantity	1 pcs.		

MK5215



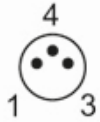
T-slot cylinder sensor

MKT3028BBPKG/G/WFI/0,3M/ZH/ASR

Electrical connection - plug

Cable: 0.3 m, PUR; protective tube

Connector: 1 x M8; coding: A; Locking: knurled nut, rotatable



Connection

