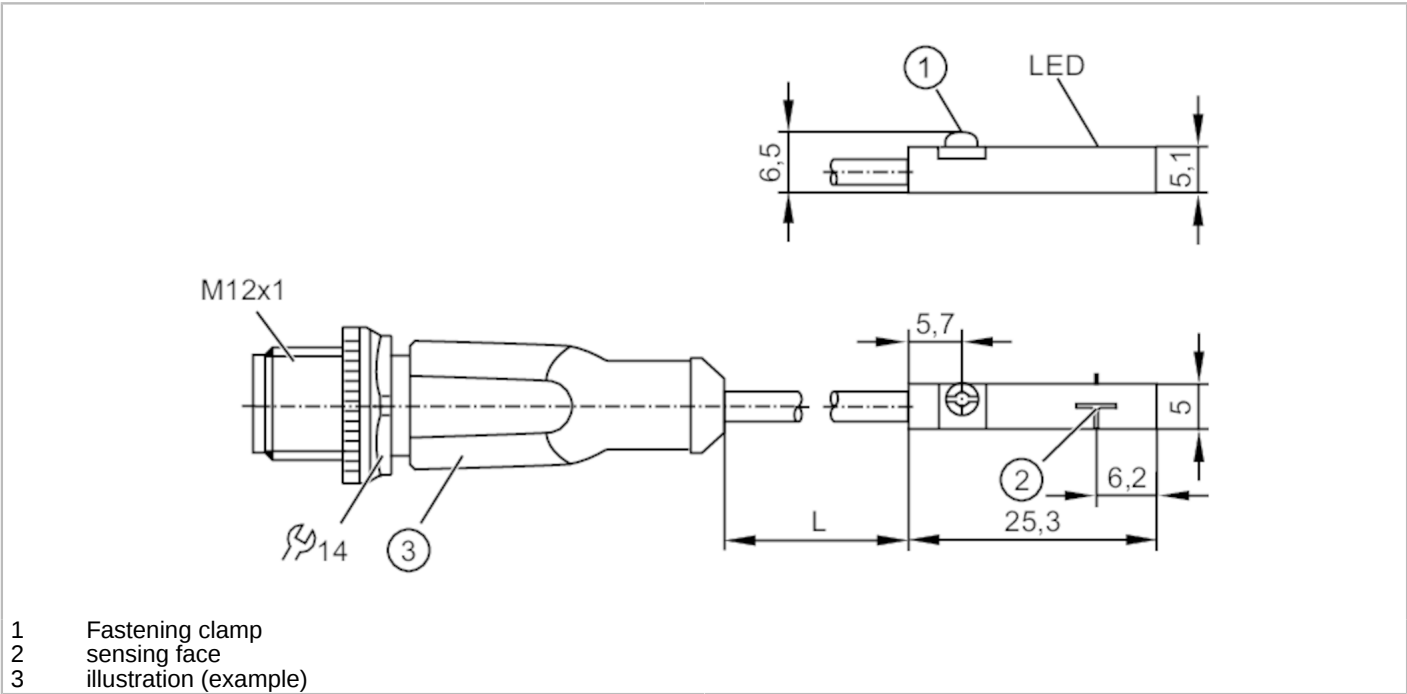


MK5214



T-slot cylinder sensor

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



Product characteristics		
Electrical design		PNP
Output function		normally open
Dimensions	[mm]	25 x 5 x 6.5
Application		
System		Magnetic-field immune
Principle of operation		suppression of extraneous fields
Application		welding applications
Magnetic-field immune		yes
Max. electromagnetic 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

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Short-circuit protection		yes
Overload protection		yes
Monitoring range		
Magnetic 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, vibration duration 5 min., 30 min. per axis with resonance or 55 Hz
Shock resistance	EN 60068-2-27 Ea	30 g 6 shocks / 11 ms half-sine (x, y, z)
MTTF	[years]	1267
UL approval	UL approval number	C003
Mechanical data		
Weight	[g]	23.5
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
Material		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 memory stop: 1
		cable clip: 1
Remarks		
Remarks		cULus - Class 2 source required
Pack quantity		1 pcs.

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Electrical connection - plug

Cable: 0.3 m, PUR; protective tube

Connector: 1 x M12; coding: A; Locking: Knurled nut, rotatable



Connection

