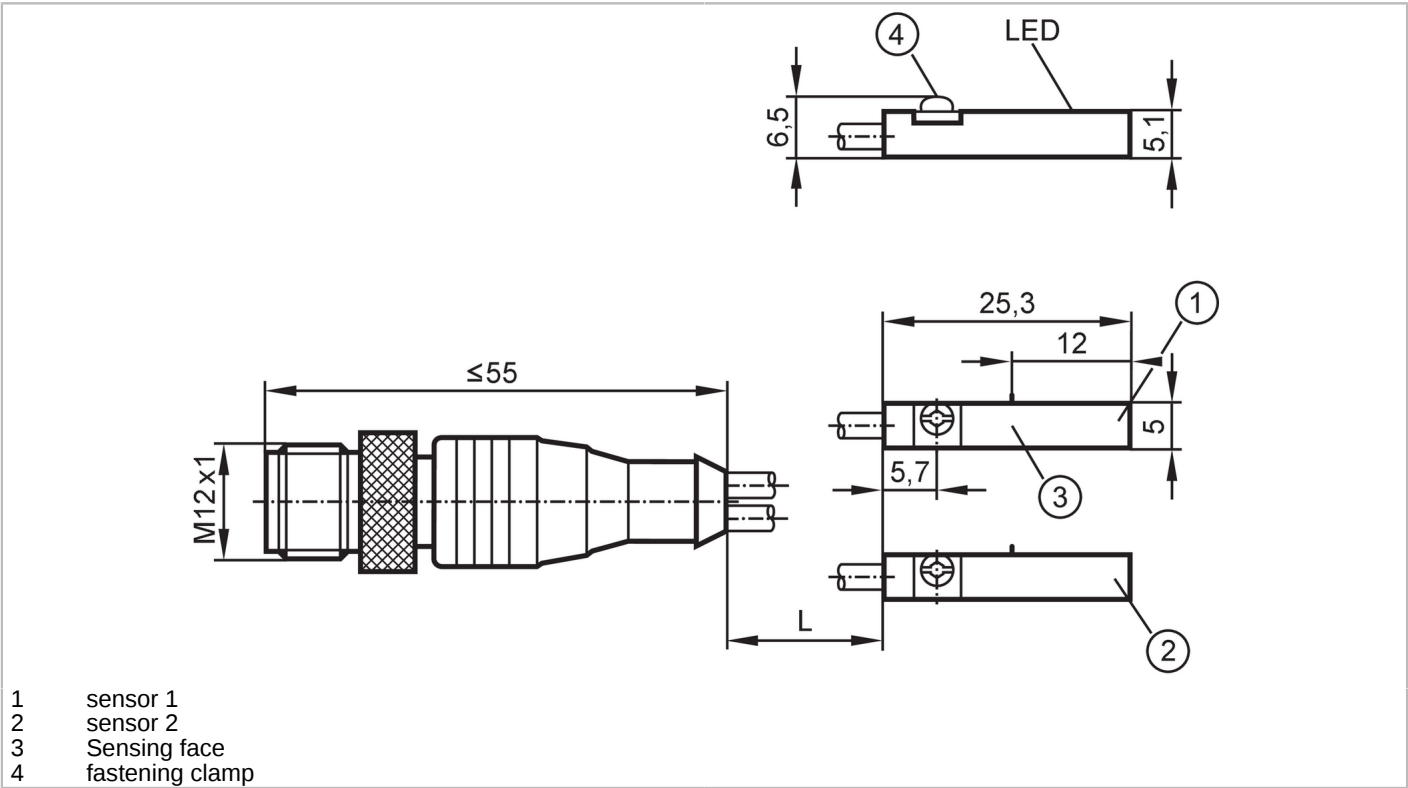


MK5240



T-slot cylinder sensor

MKT3028BBPKG/G/WFI/0,3M/ZH/US/2X



Product characteristics

Electrical design	PNP
Output function	normally open
Dimensions [mm]	25.3 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

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Switching frequency DC	[Hz]	9
Short-circuit protection		yes
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)

Mechanical data

Weight	[g]	30.4
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]	25.3 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
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Accessories

Items supplied	rubber placeholder: 1
	Cable clip: 1

Remarks

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



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Connection



- | | |
|---|----------|
| 1 | sensor 1 |
| 2 | sensor 2 |