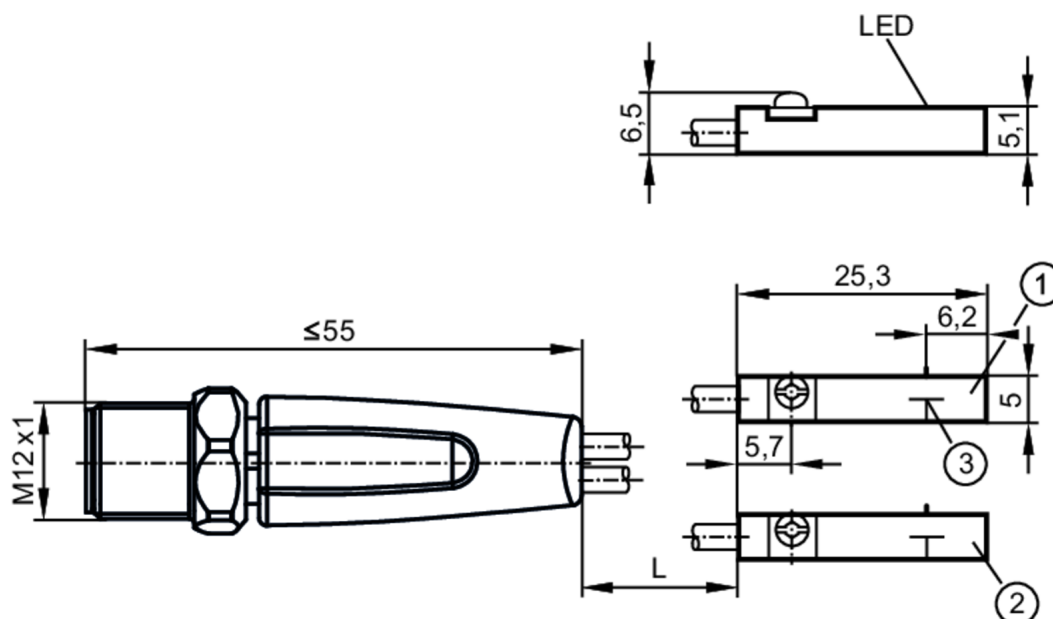


MK5251



T-slot cylinder sensor

MKT3028BBPKG/G/0,3M/-H/US/2X



- 1 sensor 1
- 2 sensor 2
- 3 Sensing face



Product characteristics

Electrical design	PNP
Output function	2 x normally open
Dimensions [mm]	25 x 5 x 6.5

Electrical data

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

Outputs

Electrical design	PNP
Output function	2 x normally open
Max. voltage drop switching output DC [V]	2.5
Permanent current rating of switching output DC [mA]	100; (per sensor)
Switching frequency DC [Hz]	6000
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; IP 69K
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]	3523
UL approval	Ta	-25...75 °C
	Enclosure type	Type 1
	power supply	Limited Voltage/Current (Marking Class 2)
	File number UL	E174191
Mechanical data		
Weight	[g]	28.2
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
Accessories		
Items supplied		rubber placeholder: 2
		Cable clip: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection - Cable 1		
Cable: 0.3 m, PVC		
Electrical connection - Cable 2		
Cable: 0.3 m, PVC		
Electrical connection - plug		
Connector: 1 x M12; coding: A; Locking: Hexagon nut, rotatable, stainless steel		

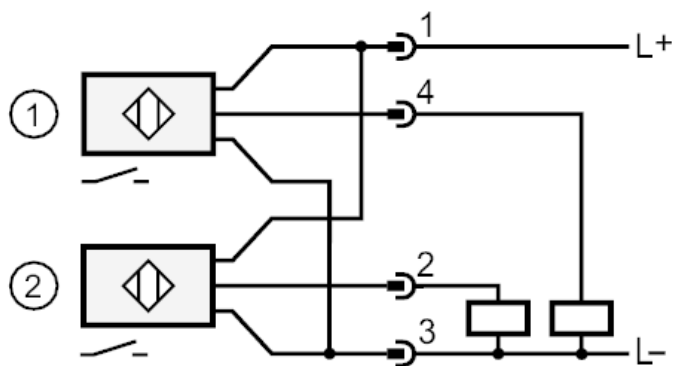
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Connection



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