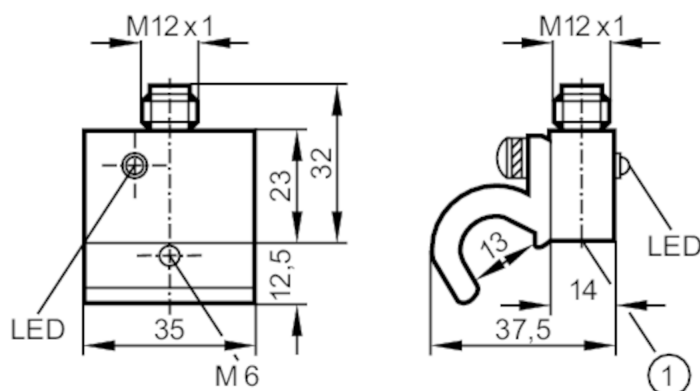


Cylinder sensor for tie-rod cylinder

MKZ3000UBPKG/US-100

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1 Sensing face



Product characteristics

Electrical design	PNP
Output function	normally open
Dimensions [mm]	37.5 x 35 x 35.5

Application

Special feature	Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 10
Reverse polarity protection	yes
Max. power-on delay time [ms]	2

Outputs

Electrical design	PNP
Output function	normally open
Max. voltage drop switching output DC [V]	2
Permanent current rating of switching output DC [mA]	300
Switching frequency DC [Hz]	5000
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Response sensitivity [mT]	3
Travel speed [m/s]	< 5

MK5021



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Accuracy / deviations

Hysteresis	[mm]	1
Repeatability	[mm]	0.1

Operating conditions

Ambient temperature	[°C]	-25...75
Protection		IP 67

Tests / approvals

EMC	EN 60947-5-2	
Shock/vibration resistance		30 g (11 ms) / 10-55 Hz (1 mm)

Mechanical data

Sensing face		centred
Cylinder type		tie rod cylinders
Dimensions	[mm]	37.5 x 35 x 35.5
Materials		housing: plastics; mounting adapter: aluminium

Displays / operating elements

Display	switching status	1 x LED, yellow
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Remarks

Pack quantity		1 pcs.
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Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

