



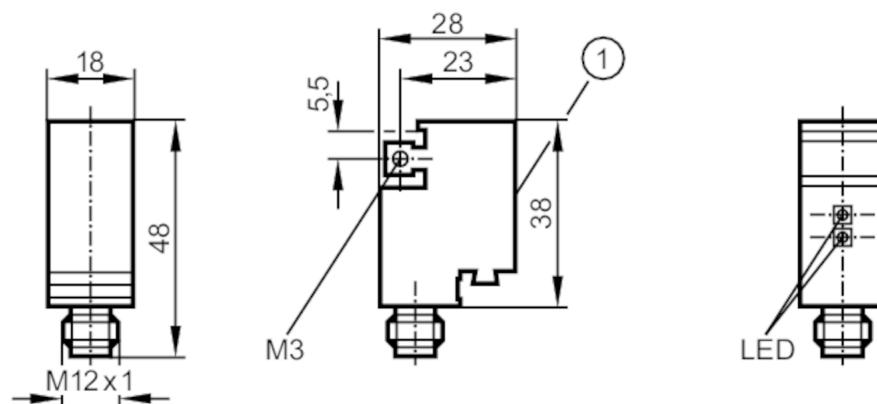
Magnetic-field immune cylinder sensor

MKU3000UBPKG/US

phase-out article

Alternative articles: MK5214

When selecting an alternative article and accessories please note that technical data may differ!



1 Sensing face



Product characteristics

Electrical design	PNP
Output function	normally open
Dimensions [mm]	48 x 18 x 28

Application

Special feature	Magnetic-field immune
Magnetic-field immune	yes

Electrical data

Operating voltage [V]	10...30 DC
Current consumption [mA]	< 18
Reverse polarity protection	yes
Max. power-on delay time [ms]	20

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]	40
Short-circuit protection	yes
Type of short-circuit protection	pulsed
Overload protection	yes

Detection zone

Response sensitivity [mT]	3
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Magnetic-field immune cylinder sensor

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Travel speed	[m/s]	< 1
Accuracy / deviations		
Hysteresis	[mm]	1.5
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		
Weight	[g]	74.6
Sensing face		front
Cylinder type		pneumatic cylinders
Dimensions	[mm]	48 x 18 x 28
Materials		diecast zinc
Displays / operating elements		
Display	switching status	1 x LED, yellow
	operation	1 x LED, green
Remarks		
Pack quantity		1 pcs.

Electrical connection - plug

Connector: 1 x M12; coding: A



Connection

