

MK5024

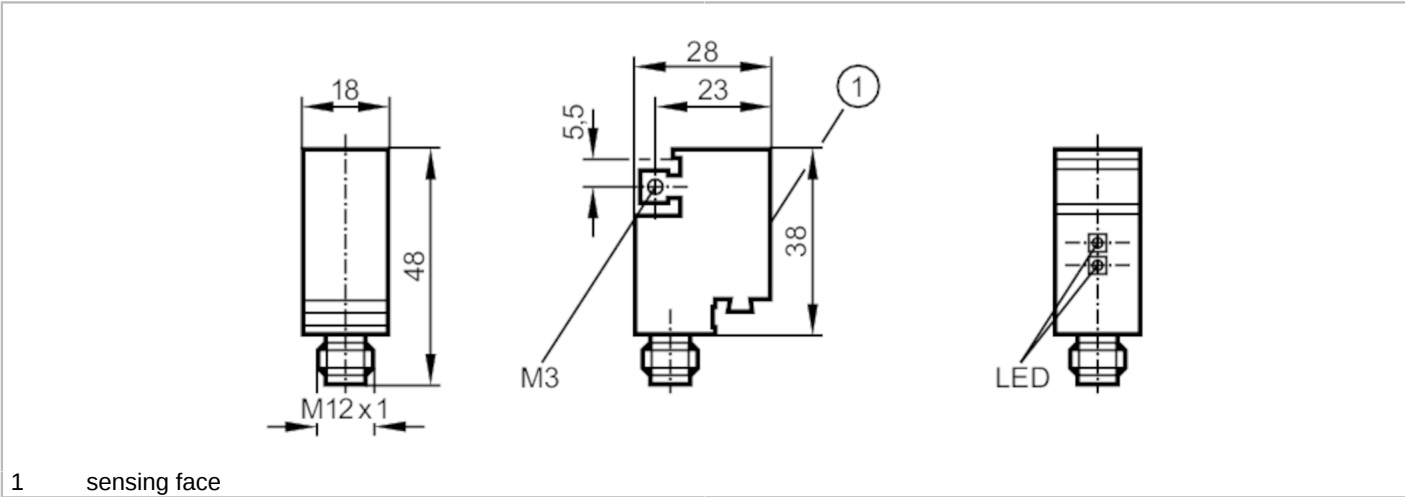


Magnetic-field immune cylinder sensor

MKU3000UBPKG/SC/US

Article to be discontinued

Alternative articles: MK5214
When selecting an alternative article and accessories please note that technical data may differ!



Product characteristics		
Electrical design		PNP
Output function		normally open
Dimensions	[mm]	48 x 18 x 28
Application		
System		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		yes (non-latching)
Overload protection		yes
Monitoring range		
Magnetic sensitivity	[mT]	3

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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	
Sensing face		front	
Cylinder type		pneumatic cylinders	
Dimensions	[mm]	48 x 18 x 28	
Material		diecast zinc PTFE coated	
Displays / operating elements			
Display	Switching status	1 x LED, yellow	
	Power	1 x LED, green	
Remarks			
Pack quantity	1 pcs.		
Electrical connection - plug			
Connector: 1 x M12; coding: A			



Connection

