

MK5023



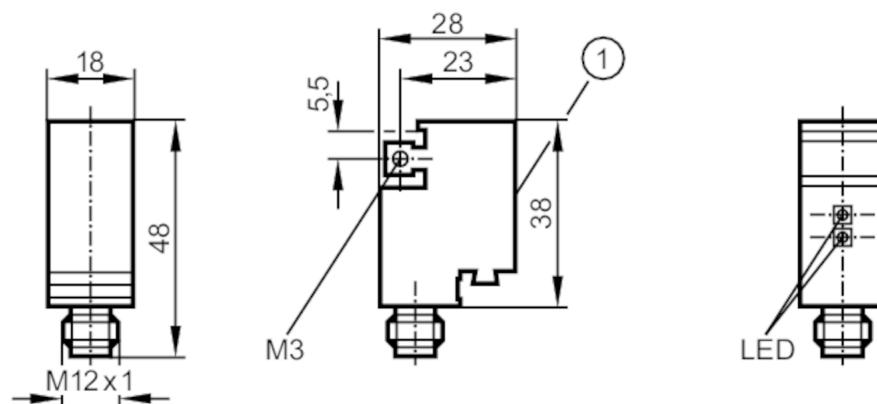
Magnetic-field immune cylinder sensor

MKU3000UBPKG/US

Article to be discontinued

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

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
---------------------------	---

MK5023



Magnetic-field immune cylinder sensor

MKU3000UBPKG/US

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	
Material		diecast zinc	
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

