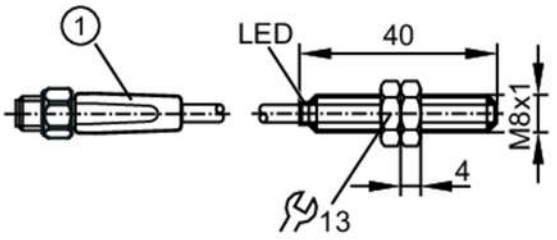
ME5023

Magnetic sensor

MEB3060-ANKG/0,3M/PH/AS



1 illustration (example)

Product characteristics		
Electrical design		NPN
Output function		normally open
Sensing range	[mm]	60; (referred to magnet M 4.0)
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 40
Electrical data		
Operating voltage	[V]	10...30 DC
Current consumption	[mA]	< 10
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		NPN
Output function		normally open
Max. voltage drop switching output DC	[V]	2.5
Permanent current rating of switching output DC	[mA]	200
Switching frequency DC	[Hz]	5000
Short-circuit protection		yes
Overload protection		yes
Detection zone		
Sensing range	[mm]	60; (referred to magnet M 4.0)
Accuracy / deviations		
Hysteresis	[% of Sr]	1...10
Operating conditions		
Ambient temperature	[°C]	-25...75
Protection		IP 67

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Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV 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

Mechanical data		
Weight	[g]	28.2
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 40
Thread designation		M8 x 1
Materials		housing: stainless steel (1.4404 / 316L); sensing face: PBT orange; end cap: PA; lock nuts: brass

Displays / operating elements		
Display	switching status	1 x LED, yellow

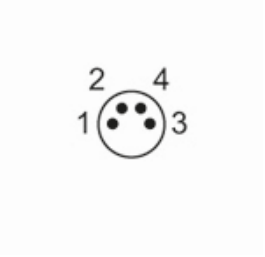
Accessories	
Items supplied	lock nuts: 2

Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Cable: 0.3 m, PUR

Connector: 1 x M8; coding: A; Locking: knurled nut, rotatable



Connection

