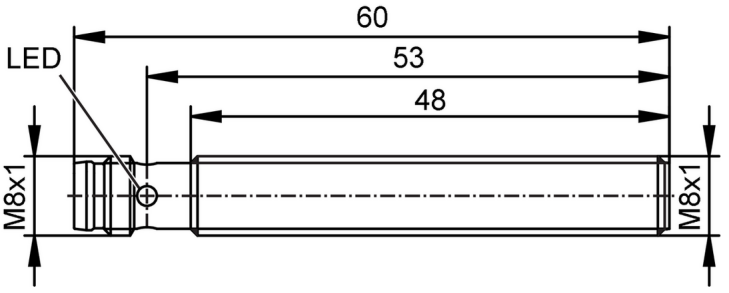
ME5010

Magnetic sensor

MEK3060-BPKG/AM/G/AS



Product characteristics		
Electrical design		PNP
Output function		normally open
Sensing range	[mm]	60; (referred to magnet M 4.0)
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 60
Electrical data		
Operating voltage	[V]	10...30 DC; ("supply class 2" to cULus)
Current consumption	[mA]	< 10
Protection class		III
Reverse polarity protection		yes
Outputs		
Electrical design		PNP
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
Type of short-circuit protection		pulsed
Overload protection		yes
Detection zone		
Sensing range	[mm]	60; (referred to magnet M 4.0)
Response sensitivity	[mT]	1.2
Accuracy / deviations		
Hysteresis	[% of Sr]	1...10
Operating conditions		
Ambient temperature	[°C]	-25...75
Protection		IP 67

ME5010

Magnetic sensor

MEK3060-BPKG/AM/G/AS

Tests / approvals			
EMC		EN 61000-4-2 ESD	4 kV CD / 8 kV AD
		EN 61000-4-3	10 V/m
		EN 61000-4-4	2 kV
		EN 61000-4-5	0,5 kV line to line, Ri: 2 Ohm
		EN 61000-4-6	10 V
		EN 55011	class B
MTTF	[years]	1445	
UL approval		Ta	-25...60 °C
		Enclosure type	Type 1
		UL approval no.	C022
		File number UL	E174191

Mechanical data		
Weight	[g]	17.5
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 60
Thread designation		M8 x 1
Materials		housing: stainless steel (316L/1.4404); sensing face: stainless steel (316L/1.4404); lock nut: brass

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

Accessories	
Items supplied	lock nuts: 2

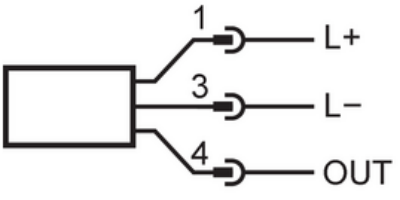
Remarks	
Pack quantity	1 pcs.

Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: 3



Connection



1: L+
3: L-
4: OUT DO (NO)
DO: digital output; NO: normally open