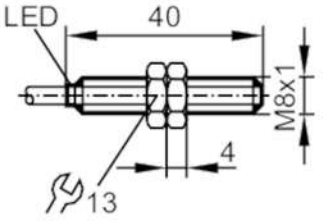
ME5015

Magnetic sensor

MEB3060-ANKG/PH



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
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

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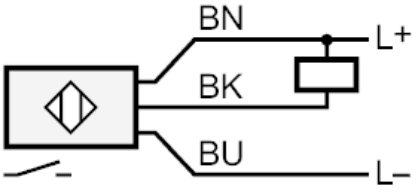
MTTF	[years]	2028
Mechanical data		
Weight	[g]	69
Housing		threaded type
Dimensions	[mm]	M8 x 1 / L = 40
Thread designation		M8 x 1
Materials		housing: stainless steel (1.4404 / 316L); sensing face: PBT orange; end cap: PA; lock nuts: brass
Displays / operating elements		
Display	switching status	1 x LED, yellow
Accessories		
Items supplied		lock nuts: 2
Remarks		
Pack quantity		1 pcs.
Electrical connection		

Cable: 2 m, PUR / PVC; 3 x 0.14 mm²

Connection



	Core colours :
BK =	black
BN =	brown
BU =	blue