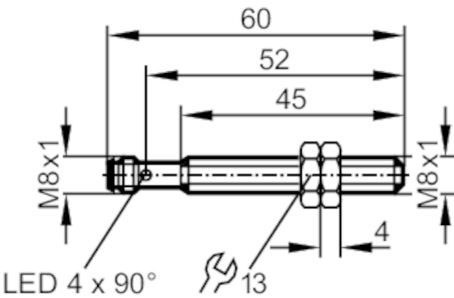


ME5010



Magnetic sensor

MEK3060-BPKG/AS-514-TPS



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
Application		
System		gold-plated contacts
Electrical data		
Operating voltage	[V]	10...30 DC; (cULus - Class 2 source required)
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		yes (non-latching)
Overload protection		yes
Monitoring range		
Sensing range	[mm]	60; (referred to magnet M 4.0)
Magnetic sensitivity	[mT]	1.2
Accuracy / deviations		
Hysteresis	[% of Sr]	1...10
Operating conditions		
Ambient temperature	[°C]	-25...75

ME5010



Magnetic sensor

MEK3060-BPKG/AS-514-TPS

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 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
MTTF	[years]	2935

Mechanical data

Weight	[g]	26.5
Housing		Threaded type
Dimensions	[mm]	M8 x 1 / L = 60
Thread designation		M8 x 1
Material		housing: stainless steel (1.4404 / 316L); sensing face: PBT orange

Displays / operating elements

Display	Switching status	1 x LED, yellow
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Accessories

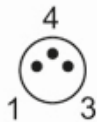
Items supplied	lock nuts: 2
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Remarks

Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M8; coding: A; Contacts: gold-plated



Connection

