

MF5004

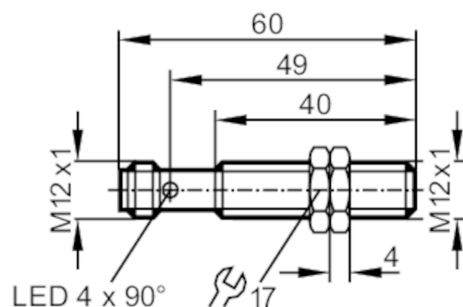
Magnetic sensor

MFK3060-BPKG/US-104-DPS



Status Archive

/MFS212



Electrical data

Operating voltage	[V]	10...30 DC
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
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Operating conditions

Ambient temperature	[°C]	-40...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 61000-4-5 Surge	0,5 kV line to line, Ri: 2 Ohm
	EN 61000-4-6 HF conducted	10 V
	EN 55011	class B
noise immunity according to DIN ISO 11452-2		100 V/m
MTTF	[years]	2230

Mechanical data

Weight	[g]	35
Housing		threaded type
Dimensions	[mm]	M12 x 1 / L = 60
Thread designation		M12 x 1
Materials		housing: stainless steel; sensing face: PBT orange; lock nuts: brass

Displays / operating elements

Display	switching status	1 x LED, yellow
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Accessories

Accessories (supplied)	lock nuts: 2
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Remarks

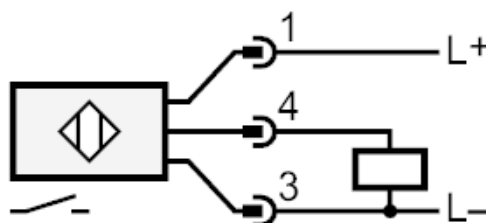
Pack quantity	1 pcs.
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Electrical connection - plug

Connector: 1 x M12; Contacts: gold-plated



Connection



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/MFS212