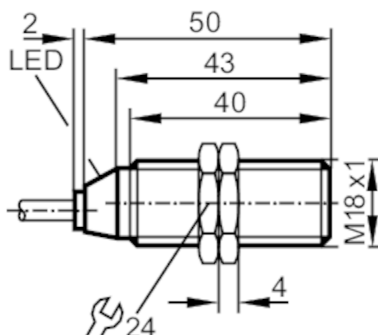


Magnetic sensor

MGB3070-BPKG/M/3M/ZH



Product characteristics

Electrical design	PNP
Output function	normally open
Sensing range [mm]	70; (referred to magnet M 4.0)
Housing	threaded type
Dimensions [mm]	M18 x 1 / L = 50

Electrical data

Operating voltage [V]	10...30 DC; ("supply class 2" to cULus)
Current consumption [mA]	< 10
Protection class	II
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]	70; (referred to magnet M 4.0)
Response sensitivity [mT]	0.8

Accuracy / deviations

Hysteresis [% of Sr]	1...10
----------------------	--------

Operating conditions

Ambient temperature [°C]	-40...75
Protection	IP 67

MGS203



Magnetic sensor

MGB3070-BPKG/M/3M/ZH

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]	2630

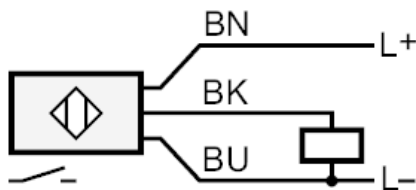
Mechanical data		
Weight	[g]	156.5
Housing		threaded type
Dimensions	[mm]	M18 x 1 / L = 50
Thread designation		M18 x 1
Materials		housing: stainless steel; sensing face: PBT orange; lock nuts: brass

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

Accessories		
Items supplied		lock nuts: 2

Remarks		
Pack quantity		1 pcs.

Electrical connection		
Cable: 3 m, PUR; 3 x 0.34 mm²		
Connection		



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