



1) See remarks

- Magnetic field sensor
- Normally open (NO)
- miniature



**General attributes**

Approvals / Conformity	cULus CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	no
Polarity reversal protected	yes
Short circuit protected	yes

**Electrical attributes**

Assured switching field streng	2.0 kA/m
Connection type	Cable with connector
Eff. operating current Ie	200 mA
Eff. operating voltage Ue DC	24.0 V
Electrical version	DC, direct current
Hysteresis H max. (in % of Hn)	45 %
Load capacitance max. (at Ue)	1.00 µF
Max. no-load cur. I <sub>o</sub> undamped	10.0 mA
No-load current I <sub>o</sub> damped max.	15.0 mA
Operating voltage UB max. DC [V]	30.0 V
Operating voltage UB min. DC [V]	10.0 V
Rated insulation voltage Ui	75 DC
Rated short circuit current	100 A
Rated switching field strength	1.2 kA/m
Ripple max. (% of Ue)	15 %

Switching freq. f max. (at Ue)	10000 Hz
Switching function	Normally open (NO)
Switching output	NPN
Turn on time t <sub>on</sub> max.	0.05 ms
Voltage drop static max.	3.1 V

**Mechanical attributes**

Ambient temperature Ta max.	85 °C
Ambient temperature Ta min.	-25 °C
Cable diameter D max.	3.1 mm
Cable jacket material	PUR
Cable length	0.30 m
Connector type	M08x1-S49
Depth	30.00 mm
Diameter d1	D6.5
Housing material	Nickel plated brass
Sensing face material	PBTP
Surface protection	Nickel-plated
Temperature drift max. % of Hn	0.3 %

**Additional text**

1) Install marker on cylinder wall  
The switching distance depends on the magnet used. Switching distances of > 20 mm can be achieved.  
The sensor is functional again after the overload has been eliminated.

