



1) Active surface

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



General attributes

Approvals / Conformity	CE
Area of application	cULus
Basic standard	Optimized response path especially suited for short-stroke cylinders.
Enclosure Type per IEC 60529	IEC 60947-5-2
Function indicator	IP67
Polarity reversal protected	yes
Scope of delivery	yes
Short circuit protected	Cable clip for C-slot
Trademark	yes
	GLOBAL

Rated switching field strength	1.2 kA/m
Ripple max. (% of Ue)	15 %
Switching freq. f max. (at Ue)	7000 Hz
Switching function	Normally open (NO)
Switching output	PNP
Turn on time ton max.	0.07 ms
Voltage drop static max.	2.5 V

Electrical attributes

Assured switching field streng	2.0 kA/m
Connection type	Cable with connector
Eff. operating current Ie	100 mA
Eff. operating voltage Ue DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at Ue)	1.00 µF
Max. no-load cur. I0 undamped	5.0 mA
No-load current I0 damped max.	8.0 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

Mechanical attributes

Ambient temperature Ta max.	85 °C
Ambient temperature Ta min.	-25 °C
Cable diameter D max.	2.5 mm
Cable jacket material	PUR
Cable length	0.30 m
Connector type	M08x1-S49
Depth	4.50 mm
Height (small side)	2.90 mm
Housing material	PA 12
Temperature drift max. % of Hn	0.3 %
Tightening torque	0.03 Nm
Width (long side)	16.8 mm

Additional text

The sensor is functional again after the overload has been eliminated.
EMC: Surge immunity; external protection circuit required. Document 825345, Section 2.
Max. pull force on cable 10 N.

