



- PNP
- Normally open (NO)
- 1.50 mm
- Flush (shielded)
- Connector, M08x1-S49

General attributes

Additional features

Approvals / Conformity

Basic standard

Enclosure Type per IEC 60529

Function indicator

Magnetic field immune

Polarity reversal protected

Power indicator

Short circuit protected

Trademark

Weld-spatter resistant

Factor 1

CE

EAC

IEC 60947-5-2

IP67

Yes

immune to magnetic DC and AC fields

Yes

No

Yes

Factor 1

Electrical attributes

Connection type

Eff. operating current I_e

Eff. operating voltage U_e DC

Electrical version

Load capacitance max. (at U_e)

Magnetic field strength

Max. no-load cur. I_o undamped

Minimum operating current I_m

No-load current I_o damped max.

Operating voltage U_B max. DC [V]

Operating voltage U_B min. DC [V]

Rated insulation voltage U_i

Connector

150 mA

24.0 V

DC, direct current

1.000 µF

100 kA/m

15.0 mA

0 mA

15.0 mA

30.0 V

10.0 V

75 VDC



Rated short circuit current

Ripple max. (% of U_e)

Switching freq. f max. (at U_e)

Switching function

Switching output

Voltage drop static max.

100 A

10 %

2000 Hz

Normally open (NO)

PNP

2.5 V

Mechanical attributes

Ambient temperature T_a max.

Ambient temperature T_a min.

Assured operating distance S_a

Connector type

Depth

Diameter d₁

Eff. operating distance S_r

Housing material

Mech. installation condition

Mounting length

Rated operating distance S_n [mm]

Sensing face material

Surface protection

Tightening torque

70 °C

-25 °C

1.20 mm

M08x1-S49

49.0 mm

M08x1

1.50 mm

1.4301

Flush (shielded)

40.0 mm

1.50 mm

PBT + PTFE

PTFE coating

10 Nm

Additional text

EMC: For operating conditions with noise factors; external protection circuit required.

Document 825345.

The sensor is functional again after the overload has been eliminated.

