



1) Active surface

- PNP
- Normally closed (NC)
- 0.80 mm
- Flush (shielded)
- Connector, M08x1-S49



General attributes

Approvals / Conformity

Basic standard
Enclosure Type per IEC 60529
Function indicator
Operating distance marking
Polarity reversal protected
Power indicator
Short circuit protected

cULus
CE
IEC 60947-5-2
IP67
Yes
■
Yes
No
Yes

Electrical attributes

Connection type	Connector
Eff. operating current I _e	100 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U _e)	1.000 µF
Max. no-load cur. I _o undamped	6.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	2.0 mA
Operating voltage U _B max. DC	30.0 V
Operating voltage U _B min. DC	10.0 V
Rated insulation voltage U _i	75 VDC
Rated short circuit current	100 A

Connector
100 mA
24.0 V
DC, direct current
1.000 μF
6.0 mA
0 mA
2.0 mA
30.0 V
10.0 V
75 VDC
100 A

Ripple max. (% of U_e)
Switching freq. f max. (at U_e)
Switching function
Switching output
Voltage drop static max.

10 %
5000 Hz
Normally closed (NC)
PNP
1.5 V

Mechanical attributes

Ambient temperature Ta max.	70 °C
Ambient temperature Ta min.	-25 °C
Assured operating distance Sa	0.65 mm
Connector type	M08x1-S49
Depth	41.0 mm
Diameter d1	M05x0.5
Eff. operating distance Sr	0.80 mm
Housing material	Stainless steel
Mech. installation condition	Flush (shielded)
Mounting length	20.0 mm
Rated operating distance Sn [mm]	0.80 mm
Sensing face material	PBT
Tightening torque	1 Nm / 2 Nm

Additional text

EMC: Surge immunity; external protection circuit required. Document 825345, Section 2.

