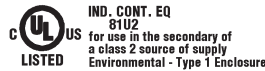


- Non-polarized
- Normally open (NO)
- 3.00 mm
- Flush (shielded)
- Cable, PVC, 3.00 m



General attributes

Approvals / Conformity

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

cULus
CE
EAC
IEC 60947-5-2
IP67
Yes
■ ■
Yes
No
Yes
GLOBAL
315 a

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
Load capacitance max. (at U_e)
Minimum operating current I_m
Operating voltage U_B max. DC [V]
Operating voltage U_B min. DC [V]
Rated insulation voltage U_i
Rated short circuit current
Ripple max. (% of U_e)
Switching freq. f max. (at U_e)
Switching function
Switching output
Voltage drop static max.

Cable
100 mA
24.0 V
DC, direct current
1.000 µF
5 mA
36.0 V
10.0 V
75 VDC
100 A
15 %
1300 Hz
Normally open (NO)
Non-polarized
5.0 V

Mechanical attributes

Ambient temperature T_a max. 70 °C
Ambient temperature T_a min. -25 °C
Assured operating distance S_a 2.40 mm
Cable diameter D max. 4.6 mm
Cable jacket material PVC
Cable length 3.00 m
Conductor cross-section 0.34 mm²
Depth 43.0 mm
Diameter d1 M12x1
Eff. operating distance S_r 3.00 mm
Housing material CuZn
Mech. installation condition Flush (shielded)
Mounting length 40.0 mm
Number of conductors 2
Rated operating distance S_n [mm] 3.00 mm
Sensing face material PA 12
Surface protection Nickel-free coating
Tightening torque 15 Nm

Remarks

Specify maximum attainable switching frequency (not per IEC 60947-5-2)
The sensor is functional again after the overload has been eliminated.

For further information on MTTF/B10d, please refer to the MTTF / B10d Certificate.

Specification of the MTTF value and the B10d value do not represent any binding quality and/or life expectancy guarantees.

