



1) Active surface 2) Housing 3) Top cover 4) Pot 5) LED Power 6) LED function indicator

- NPN
- Normally closed (NC)
- 4.00 mm
- Flush (shielded)
- Connector, M12x1-S04

- switching distance adjustable



IND. CONT. EQ. 81U2  
for use in the secondary of  
a class 2 source of supply



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**General attributes**

Approvals / Conformity

CE  
cULus  
IEC 60947-5-2  
IP67  
Yes  
Yes  
Yes  
2 nuts  
Yes  
GLOBAL

Basic standard  
Enclosure Type per IEC 60529  
Function indicator  
Polarity reversal protected  
Power indicator  
Scope of delivery  
Short circuit protected  
Trademark

**Electrical attributes**

Connection type  
Eff. operating current I<sub>e</sub>  
Eff. operating voltage U<sub>e</sub> DC  
Electrical version  
Max. no-load cur. I<sub>o</sub> undamped  
No-load current I<sub>o</sub> damped max.  
Operating voltage U<sub>B</sub> max. DC [V]  
Operating voltage U<sub>B</sub> min. DC [V]  
Rated insulation voltage U<sub>i</sub>  
Ripple max. (% of U<sub>e</sub>)

Connector  
100 mA  
24.0 V  
DC, direct current  
15.0 mA  
18.0 mA  
30.0 V  
10.0 V  
75 V DC  
10 %

Sensitivity  
Switching freq. f max. (at U<sub>e</sub>)  
Switching function  
Switching output  
Voltage drop static max.

switching distance adjustable  
100 Hz  
Normally closed (NC)  
NPN  
1.5 V

**Mechanical attributes**

Ambient temperature T<sub>a</sub> max.  
Ambient temperature T<sub>a</sub> min.  
Connector type  
Cover material  
Depth  
Diameter d1  
Housing material  
Mech. installation condition  
Mounting length  
Rated operating distance S<sub>n</sub> [mm]  
Sensing face material  
Storage temperature max.  
Storage temperature min.  
Tightening torque  
Working range S<sub>a</sub> max.  
Working range S<sub>a</sub> min. [mm]

85 °C  
-25 °C  
M12x1-S04  
PBT / PA  
75.0 mm  
M12x1.0  
1.4305  
Flush (shielded)  
41.0 mm  
4.00 mm  
PBT  
+85 °C  
-25 °C  
40 Nm  
4.00 mm  
1.00 mm

