



- PNP
- Normally open (NO)
- 1.50 mm
- Flush (shielded)
- Connector, M12x1-S04

**General attributes**

## Approvals / Conformity

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

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

**Electrical attributes**

Connection type  
 Eff. operating current  $I_e$   
 Eff. operating voltage  $U_e$  DC  
 Electrical version  
 Load capacitance max. (at  $U_e$ )  
 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  $U_i$   
 Rated short circuit current

Connector  
 100 mA  
 24.0 V  
 DC, direct current  
 1.000  $\mu$ F  
 5.0 mA  
 0 mA  
 10.0 mA  
 30.0 V  
 12.0 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.

15 %  
 1000 Hz  
 Normally open (NO)  
 PNP  
 2.0 V

**Mechanical attributes**

Ambient temperature  $T_a$  max.  
 Ambient temperature  $T_a$  min.  
 Assured operating distance  $S_a$   
 Connector type  
 Depth  
 Diameter  $d_1$   
 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  
 M12x1-S04  
 65.0 mm  
 M08x1  
 1.50 mm  
 CuZn  
 Flush (shielded)  
 45.0 mm  
 1.50 mm  
 PA 12  
 Nickel-plated  
 3 Nm / 6 Nm

**Additional text**

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

