



- PNP
- Normally open (NO)
- 4.00 mm
- Non embeddable
- Connector, M12x1-S04



**General attributes**

Additional features  
Approvals / Conformity

Basic standard  
Enclosure Type per IEC 60529  
Polarity reversal protected  
Short circuit protected

**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  
Ripple max. (% of  $U_e$ )  
Switching freq.  $f$  max. (at  $U_e$ )

With internal function checking  
CE  
EAC  
IEC 60947-5-2  
IP67  
Yes  
Yes

Connector  
130 mA  
24.0 V  
DC, direct current  
0.150  $\mu$ F  
10.0 mA  
5 mA  
10.0 mA  
30.0 V  
20.0 V  
75 VDC  
100 A  
15 %  
300 Hz

Switching function  
Switching output  
Voltage drop static max.

Normally open (NO)  
PNP  
3.5 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  
Tightening torque

70 °C  
0 °C  
3.20 mm  
M12x1-S04  
60.5 mm  
M12x1  
4.00 mm  
Stainless steel  
Non embeddable  
39.0 mm  
4.00 mm  
LCP  
12 Nm

**Additional text**

Test pulses  $\leq 0.5$  ms typ. 160 Hz are overlaid on the output signal, which pulses may be missing when there is a sensor fault (simple fault).  
The sensor is functional again after the overload has been eliminated.

