



- 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
SteelFace

Electrical attributes

Connection type
Eff. operating current I_e
Eff. operating voltage U_e DC
Electrical version
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)
Switching function

Connector
100 mA
24.0 V
DC, direct current
10.0 mA
0 mA
10.0 mA
30.0 V
10.0 V
75 VDC
100 A
15 %
20 Hz
Normally open (NO)

Switching output

Voltage drop static max.

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
Target material
Tightening torque

70 °C
-25 °C
1.20 mm
M12x1-S04
64.5 mm
M08x1
1.50 mm
Stainless steel
Flush (shielded)
40.0 mm
1.50 mm
Stainless steel
Selective Ferrous
10 Nm

Additional text

EMC: Severity level achieved only with shielded connector BKS S19-14-.... Attach shield at both ends.
The sensor is functional again after the overload has been eliminated.
Ferrous - Ferromagnetic steel is detected; alloys (aluminium, brass, copper) and austenitic steels are ignored.

