



- PNP
- Normally closed (NC)
- 1.50 mm
- Flush (shielded)
- Connector, M12x1-S04

**General attributes**

Approvals / Conformity	cULus CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP68 according to BWN PR 20
Function indicator	Yes
Polarity reversal protected	Yes
Power indicator	No
Protection Class	II
Short circuit protected	Yes

Electrical attributes

Connection type	Connector
Eff. operating current I _e	200 mA
Eff. operating voltage U _e DC	24.0 V
Electrical version	DC, direct current
Load capacitance max. (at U _e)	0.500 µF
Max. no-load cur. I _o undamped	9.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	3.0 mA
Operating voltage U _B max. DC [V]	30.0 V
Operating voltage U _B min. DC [V]	10.0 V
Rated insulation voltage U _i	250 VAC
Rated short circuit current	100 A

Ripple max. (% of U _e)	15 %
Switching freq. f max. (at U _e)	3000 Hz
Switching function	Normally closed (NC)
Switching output	PNP
Voltage drop static max.	2.5 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-25 °C
Assured operating distance S _a	1.20 mm
Connector type	M12x1-S04
Depth	58.0 mm
Diameter d1	M08x1
Eff. operating distance S _r	1.50 mm
Housing material	Stainless steel
Mech. installation condition	Flush (shielded)
Mounting length	43.0 mm
Rated operating distance S _n [mm]	1.50 mm
Sensing face material	PBT
Tightening torque	8 Nm

Additional text

With connector, e.g. BKS-S 20-... total length = switch length +18 mm.
The sensor is functional again after the overload has been eliminated.

