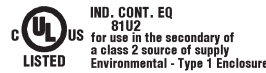


- PNP
- Normally open (NO)
- 10.00 mm
- Flush (shielded)
- Connector, M12x1-S04



General attributes

Additional features	Factor 1 Weld-spatter resistant
Approvals / Conformity	Factor 1 Weld-spatter resistant cULus CE cULus CE
Basic standard	IEC 60947-5-2
Enclosure Type per IEC 60529	IP67
Function indicator	Yes
Magnetic field immune	immune to magnetic DC and AC fields
Polarity reversal protected	Yes
Power indicator	No
Protection Class	II
Short circuit protected	Yes
Trademark	Factor 1

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)	1.000 µF
Magnetic field strength	100 kA/m
Max. no-load cur. I _o undamped	10.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	17.0 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)	600 Hz
Switching function	Normally open (NO)
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	8.10 mm
Connector type	M12x1-S04
Depth	65.0 mm
Diameter d1	M30x1.5
Eff. operating distance S _r	10.00 mm
Housing material	CuZn
Mech. installation condition	Flush (shielded)
Mounting length	50.5 mm
Rated operating distance S _n [mm]	10.00 mm
Sensing face material	LCP + PTFE
Surface protection	PTFE coating
Tightening torque	30 Nm

Additional text

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

