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



IND. CONT. EQ
81U2
for use in the secondary of
a class 2 source of supply
Environmental - Type 1 Enclosure

General attributes

Approvals / Conformity	CE cULus IEC 60947-5-2
Basic standard	IP67
Enclosure Type per IEC 60529	Yes
Function indicator	■ ■
Operating distance marking	Yes
Polarity reversal protected	No
Power indicator	II
Protection Class	Yes
Short circuit protected	GLOBAL
Trademark	

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	5.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	10.0 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)	100 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	12.20 mm
Connector type	M12x1-S04
Depth	65.0 mm
Diameter d1	M30x1.5
Eff. operating distance S _r	15.00 mm
Housing material	CuZn
Mech. installation condition	Flush (shielded)
Mounting length	50.0 mm
Rated operating distance S _n [mm]	15.00 mm
Sensing face material	PA 12
Surface protection	Nickel-free coating
Tightening torque	70 Nm

Additional text

Embeddable: See installation notes for inductive sensors with extended switching distance 825357.
The sensor is functional again after the overload has been eliminated.

