



- PNP
- Normally open (NO)
- 4.00 mm
- Flush (shielded)
- Cable, PVC, 2.00 m



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

General attributes

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

Electrical attributes

Connection type	Cable
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	3.0 mA
Minimum operating current I _m	0 mA
No-load current I _o damped max.	6.0 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)	1000 Hz
Switching function	Normally open (NO)
Switching output	PNP
Voltage drop static max.	3.0 V

Mechanical attributes

Ambient temperature T _a max.	70 °C
Ambient temperature T _a min.	-25 °C
Assured operating distance S _a	3.20 mm
Cable diameter D max.	4.7 mm
Cable jacket material	PVC
Cable length	2.00 m
Conductor cross-section	0.34 mm ²
Depth	53.0 mm
Diameter d1	M12x1
Eff. operating distance S _r	4.00 mm
Housing material	CuZn
Mech. installation condition	Flush (shielded)
Mounting length	50.0 mm
Number of conductors	3
Rated operating distance S _n [mm]	4.00 mm
Sensing face material	LCP
Surface protection	Nickel-free coating
Tightening torque	10 Nm

Additional text

The sensor is functional again after the overload has been eliminated.

