



Model Number

NJ50-FP-WS3-J94-P1

Features

- **Temperature range**
-25 ... 60 °C (-13 ... 140 °F)
- **50 mm non-flush**

Technical Data

General specifications

Switching element function		AC	NO/NC
Rated operating distance	s_n	50 mm	
Installation		non-flush	
Output polarity		AC	
Assured operating distance	s_a	0 ... 40.5 mm	
Reduction factor r_{Al}		0.4	
Reduction factor r_{Cu}		0.3	
Reduction factor r_{304}		0.85	

Nominal ratings

Operating voltage	U_B	20 ... 253 V
Switching frequency	f	2 Hz
Hysteresis	H	0 ... 10 typ. %
ON/OFF delay		approx. 0.5 sec
Short-circuit protection		no
Voltage drop	U_d	≤ 7 V
Momentary current (20 ms, 0.1 Hz)		0 ... 4000 mA
Operating current	I_L	10 ... 500 mA
Off-state current	I_r	0 ... 2.5 mA typ.
No-load supply current	I_0	5 mA
Time delay before availability	t_v	≤ 100 ms
Switching state indicator		LED, red

Ambient conditions

Ambient temperature	-25 ... 60 °C (-13 ... 140 °F)
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Mechanical specifications

Connection type	screw terminals
Core cross-section	up to 2.5 mm ²
Housing material	Crastin (PBTB)
Sensing face	Crastin (PBTB)
Degree of protection	IP68
Note	1) In the temperature range below 0 °C, permissible operating voltage U_B 80...253 V Safety fuse ≤ 2 A (quick-blow) according to IEC 60127-2 Sheet 1 Recommendation: after a short circuit, check that the device is functioning correctly.

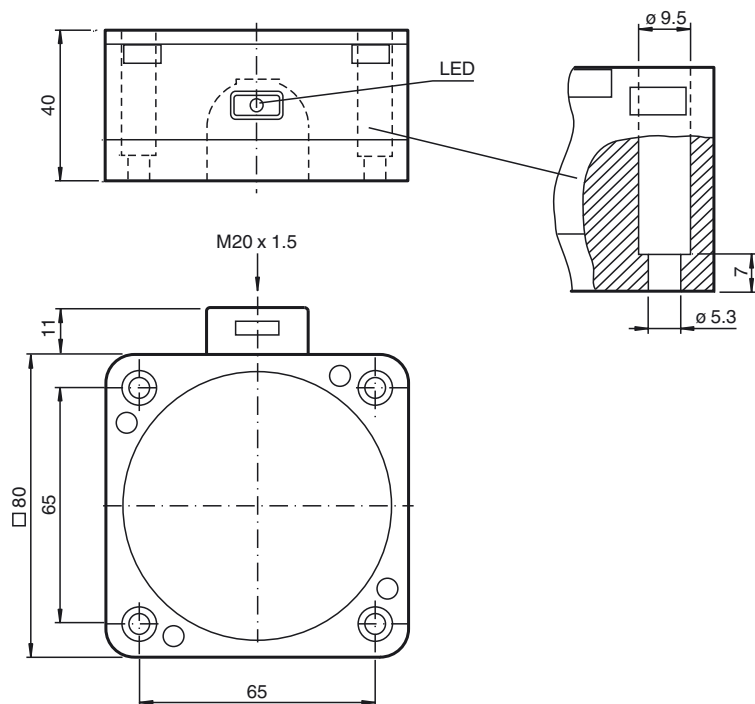
Compliance with standards and directives

Standard conformity	
Standards	EN 60947-5-2:2007 IEC 60947-5-2:2007

Approvals and certificates

UL approval	cULus Listed, General Purpose
CSA approval	cCSAus Listed, General Purpose

Dimensions





Electrical Connection

