



Model Number

NJ1,5-6,5-E2-G-5M

Features

- 1.5 mm flush

Technical Data

General specifications

Switching function		Normally open (NO)
Output type		PNP
Rated operating distance	s_n	1.5 mm
Installation		flush
Output polarity		DC
Assured operating distance	s_a	0 ... 1.215 mm
Actual operating distance	s_r	1.35 ... 1.65 mm typ. 1.5 mm
Reduction factor r_{A1}		0.24
Reduction factor r_{Cu}		0.21
Reduction factor r_{304}		0.67
Output type		3-wire

Nominal ratings

Operating voltage	U_B	10 ... 60 V
Switching frequency	f	0 ... 500 Hz
Hysteresis	H	1 ... 15 typ. 5 %
Reverse polarity protection		reverse polarity protected
Short-circuit protection		pulsing
Voltage drop	U_d	≤ 3 V
Voltage drop at I_L		
Voltage drop $I_L = 10$ mA, switching element on U_d		1 ... 2.2 V typ. 1.6 V
Voltage drop $I_L = 20$ mA, switching element on U_d		0.9 ... 2.4 V typ. 1.7 V
Voltage drop $I_L = 50$ mA, switching element on U_d		1.2 ... 2.4 V typ. 1.8 V
Voltage drop $I_L = 100$ mA, switching element on U_d		1.4 ... 2.6 V typ. 2 V
Operating current	I_L	0 ... 100 mA
Lowest operating current	I_m	0 mA
Off-state current	I_r	0 ... 0.1 mA typ. 0.01 mA
Off-state current $T_U = 40$ °C, switching element off		≤ 100 μ A
No-load supply current	I_0	≤ 6 mA
Time delay before availability	t_v	≤ 20 ms
Switching state indicator		-

Ambient conditions

Ambient temperature	-25 ... 70 °C (-13 ... 158 °F)
Storage temperature	-40 ... 85 °C (-40 ... 185 °F)

Mechanical specifications

Connection type	cable PVC , 5 m
Core cross-section	0.34 mm ²
Housing material	Stainless steel 1.4305 / AISI 303
Sensing face	PBT
Degree of protection	IP67

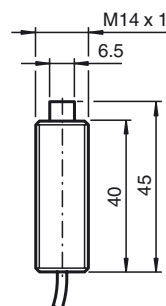
Compliance with standards and directives

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
CCC approval	Certified by China Compulsory Certification (CCC)

Dimensions



Electrical Connection

