

INDUCTIVE PROXIMITY SWITCH

NJ8-E2

Order no.	NJ8-E2
General data	
Basic standard	IEC 60947-5-2
Certifications	CE / UKCA / LABS / REACH / RoHS
Protection to IEC 60529	IP68
Function display	Yes
Protected against polarity reversal	Yes
Power indicator	No
Short-circuit-proof	Yes
Electrical data	
Connection type	Cable
Effective operating voltage [V DC]	24
Rated insulation voltage [V DC]	75
Load current capacity [mA]	200
Rated short circuit current [A]	100
Supply voltage min. [V DC]	10
Supply voltage max. [V DC]	30
Electrical version	DC, direct current
Minimum operating current [mA]	0
Load capacitance max. [μ F]	1
No-load current damped max. [mA]	7
Max. no-load current undamped [mA]	2
Ripple max. [%]	10
Switching output	PNP
Switching frequency [Hz]	5000
Switching function	Normally open (NO)
Voltage drop [V]	2.5
Mechanical data	
Nr. of wires x diameter [mm ²]	3x0.14
Tightening torque [Nm]	3.00
Mounting length [mm]	50.0
Rated operating distance S_n [mm]	1.50
Installation type	flush
Housing Material	Brass
Assured switching distance S_a [mm]	1.20
Cable-Ø D [mm]	3.0
Cable length [m]	5
Surface protection	nickel-plated
Effective operating distance S_r [mm]	1.5
Sensor-Ø [mm]	8
Depth [mm]	50.0
Ambient temperature range [°C]	-25 ... +70
Active surface material	PBT
Cable sheath material	PUR

