

INDUCTIVE PROXIMITY SWITCH

NJ8-E2-09

Order no.	NJ8-E2-09
General data	
Certification	CE
Basic standard	IEC 60947-5-2
Protection to IEC 60529	IP67
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]	0.500
No-load current damped max. [mA]	10.0
Max. no-load current undamped [mA]	3.0
Ripple max. [%]	15
Switching output	PNP
Switching frequency [Hz]	4000
Switching function	Normally open (NO)
Voltage drop [V]	2.5
Mechanical data	
Nr. of wires x diameter [mm ²]	3x0.14
Tightening torque [Nm]	8
Mounting length [mm]	19.5
Rated operating distance S_n [mm]	1.50
Installation type	flush
Housing Material	Stainless steel
Assured switching distance S_a [mm]	1.20
Cable- \varnothing D [mm]	3.1
Cable length [m]	2
Effective operating distance S_r [mm]	1.50
Sensor- \varnothing [mm]	M8x1
Depth [mm]	20.0
Ambient temperature range [°C]	-25 ... +70
Active surface material	PBT
Cable sheath material	PVC

