

# INDUCTIVE PROXIMITY SWITCH

## NJ6.5-E2-01

Order no.	NJ6.5-E2-01
<b>General data</b>	
Certification	CE
Basic standard	IEC 60947-5-2
Protection to IEC 60529	IP68
Function display	Yes
Protected against polarity reversal	Yes
Power indicator	No
Short-circuit-proof	Yes
<b>Electrical data</b>	
Connection type	Cable
Effective operating voltage [V DC]	24
Rated insulation voltage [V AC]	250
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. [ $\mu$ 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
<b>Mechanical data</b>	
Nr. of wires x diameter [mm <sup>2</sup> ]	3x0.14
Mounting length [mm]	28.7
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]	3.0
Cable length [m]	5
Effective operating distance $S_r$ [mm]	1.5
Sensor- $\varnothing$ [mm]	6.5
Depth [mm]	30.0
Ambient temperature range [°C]	-40 ... +85
Active surface material	PBT
Cable sheath material	PUR

