

INDUCTIVE PROXIMITY SWITCH

NJ12-E2S

Order no.	NJ12-E2S
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	Connector
Effective operating voltage [V DC]	24
Rated insulation voltage [V DC]	75
Load current capacity [mA]	130
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]	1000
No-load current damped max. [mA]	25
Max. no-load current undamped [mA]	12
Ripple max. [%]	15
Switching output	PNP
Switching frequency [Hz]	1000
Switching function	Normally open (NO)
Voltage drop [V]	3.5
Mechanical data	
Tightening torque [Nm]	15.00
Mounting length [mm]	30.0
Rated operating distance S_n [mm]	2.00
Installation type	flush
Housing Material	CuZn nickel plated
Assured switching distance S_a [mm]	1.60
Surface protection	nickel-plated
Effective operating distance S_r [mm]	2.2
Sensor- \emptyset [mm]	M12x1
Connector type	M8x1
Depth [mm]	44.0
Ambient temperature range [$^{\circ}$ C]	-25 ... +70
Active surface material	PA12

