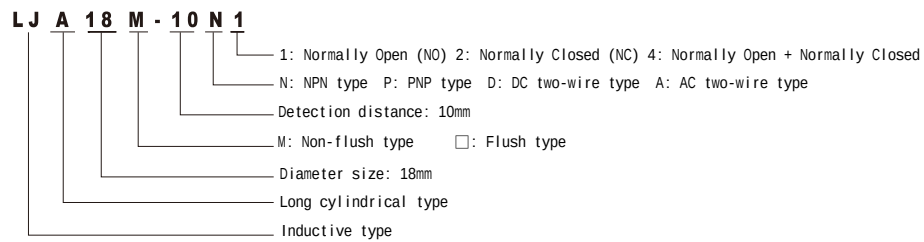


I .Model Description



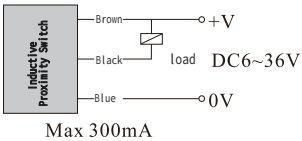
II .Model Types and Technical Data

Type			LJA8 Series		LJA12 Series	
Installation Method			Flush Type	Non-flush Type	Flush Type	Non-flush Type
DC Type	NPN	NO	LJA8-1.5N1	LJA8M-2N1	LJA12-2N1	LJA12M-5N1
		NC	LJA8-1.5N2	LJA8M-2N2	LJA12-2N2	LJA12M-5N2
		NO+NC			LJA12-2N4	LJA12M-5N4
	PNP	NO	LJA8-1.5P1	LJA8M-2P1	LJA12-2P1	LJA12M-5P1
		NC	LJA8-1.5P2	LJA8M-2P2	LJA12-2P2	LJA12M-5P2
		NO+NC			LJA12-2	LJA12M-5
	Two-wire	NO	LJA8-1.5D1	LJA8M-2D1	LJA12-2D1	LJA12M-5D1
		NC	LJA8-1.5D2	LJA8M-2D2	LJA12-2D2	LJA12M-5D2
AC Type	Two-wire	NO	LJA8-1.5A1	LJA8M-2A1	LJA12-2A1	LJA12M-5A1
		NC	LJA8-1.5A2	LJA8M-2A2	LJA12-2A2	LJA12M-5A2
Detection Distance			1.5mm±10%	2mm±10%	2mm±10%	5mm±10%
Response Frequency	DC		1.5KHz	0.8KHz	0.8KHz	0.4KHz
	AC		25Hz		25Hz	
Type			LJA18 Series		LJA30 Series	
Installation Method			Flush Type	Non-flush Type	Flush Type	Non-flush Type
DC Type	NPN	NO	LJA18-5N1	LJA18M-10N1	LJA30-10N1	LJA30M-18N1
		NC	LJA18-5N2	LJA18M-10N2	LJA30-10N2	LJA30M-18N2
		NO+NC	LJA18-5N4	LJA18M-10N4	LJA30-10N4	LJA30M-18N4
	PNP	NO	LJA18-5P1	LJA18M-10P1	LJA30-10P1	LJA30M-18P1
		NC	LJA18-5P2	LJA18M-10P2	LJA30-10P2	LJA30M-18P2
		NO+NC	LJA18-5	LJA18M-10	LJA30-10	LJA30M-18
	Two-wire	NO	LJA18-5D1	LJA18M-10D1	LJA30-10D1	LJA30M-18D1
		NC	LJA18-5D2	LJA18M-10D2	LJA30-10D2	LJA30M-18D2
AC Type	Two-wire	NO	LJA18-5A1	LJA18M-10A1	LJA30-10A1	LJA30M-18A1
		NC	LJA18-5A2	LJA18M-10A2	LJA30-10A2	LJA30M-18A2
Detection Distance			5mm±10%	10mm±10%	10mm±10%	18mm±10%
Response Frequency	DC		0.4KHz	0.2KHz	0.2KHz	0.1KHz
	AC		25Hz		25Hz	

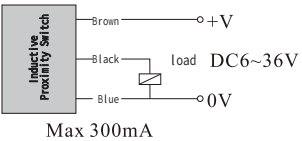
Detected Objects		Iron, copper, steel, aluminum, nickel, etc. The standard detected object is A3 iron.
Differential Distance		1-10% of the detection distance
Supply Voltage		DC (NPN, PNP, two-wire type): DC12-24V with ripple (P-P) ≤10% (10-30VDC);AC type: 90-250V 50/60Hz
Current Consumption		DC (NPN, PNP, two-wire type): 8mA/12V, 15mA/24V;AC type: <5mA
Control Output		DC (NPN, PNP type): Max. 300mA;DC (two-wire type): Max. 3-100mA;AC type: Max. 10-300mA
Circuit Protection		DC (NPN, PNP, two-wire type): Reverse connection and short-circuit protection;AC type: Surge absorption protection
Operating Temperature		-25°C~+65°C (without freezing)
Operating Humidity		35~95%HR
Temperature Influence		-25°C~+65°C (Within this temperature range, the detection distance variation is within ±15% at the rated supply voltage)
Voltage Influence		Within ±15% of the rated supply voltage, the detection distance variation is within ±15% at the specified supply voltage
Residual Voltage		DC (NPN, PNP type): ≤1V;DC (two-wire type): ≤3V;AC (two-wire type): ≤7V
Insulation Resistance		≥50MΩ (Between live parts and the housing, measured with DC500V)
Withstand Voltage		DC (NPN, PNP, two-wire type): AC1000V 50/60Hz, 1 minute, between live parts and the housing;AC (two-wire type): 2000V 50/60Hz, between live parts and the housing
Vibration		Endurance: 10-55Hz with double amplitude 1.5mm, 2 hours for each of X, Y, Z directions
Shock		Endurance: 500m/s² (approx. 50g), 10 times for X, Y, Z directions
Protection Class		IP54-IP67
Material	Housing	Brass with nickel plating
	Detection Surface	Heat-resistant ABS

III.Classification by Output Type

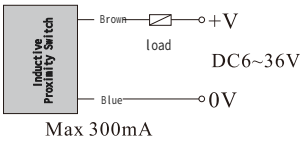
1.DC 3-wire NPN Type (NO or NC)



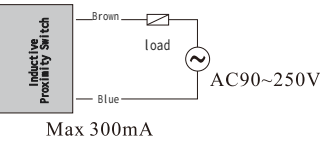
2.DC 3-wire PNP Type (NO or NC)



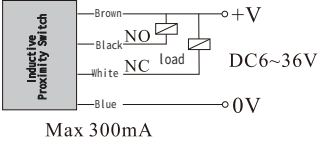
3.DC 2-wire Type (NO or NC)



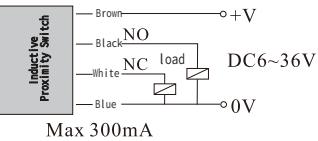
4.AC 2-wire Type (NO or NC)



5.DC 4-wire NPN Type (NO + NC)



6.DC 4-wire PNP Type (NO + NC)



Note: NO stands for Normally Open, NC stands for Normally Closed; NO+NC stands for Normally Open + Normally Closed.