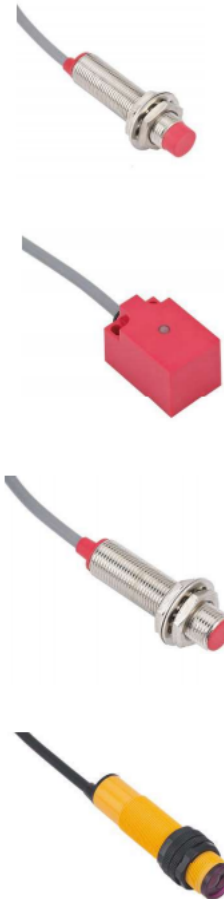


F8 Induction switch

CDLJ Series proximity switch

Selection Guide

Product name	Induction mode	Outline number	Structural form	Operating distance	Operating voltage	Output mode	Output current
CDLJ		12	A3	2	Z		
	None: inductive type C: Capacitive G: reed tube type	6: Shape diameter 8mm 12: Shape diameter 12mm 18: Shape diameter 18mm 30: Shape diameter 30mm	A3:Cylindrical metal threaded housing A4:Cylindrical metal threaded housing	1:1mm 2:2mm 4:4mm 5:5mm 8:8mm 10:10mm 15:15mm	Z:DC10-30V; Z1:DC30-65V; J:AC90-250V; J1:AC300-400V	A:The three-wire system is normally close B: The three-wire system is normally open C: The three-wire system is normally close+normally open Binary lines are normally closed E: Binary lines are normally open	X:NPN DC 200mA Y:PNP DC 200mA Z:400mA M:500mA W:1500mA



Product characteristics

Proximity switch is a kind of position sensor with switching output. It not only has the characteristics of travel switch and micro-switch, but also has the sensing performance. It can be networked with microcomputer to achieve the purpose of automatic control, and can also directly drive relays, counters and contactors. And high working frequency, long service life, good anti-interference performance, high reset accuracy (0.02cm), multiple output forms, waterproof, shock-proof, anti-corrosion. Widely used in machinery, textile, light industry, metallurgy, paper, printing, packaging, tobacco, electric power, mining, railway, aerospace, military and other industries.

Technical parameter

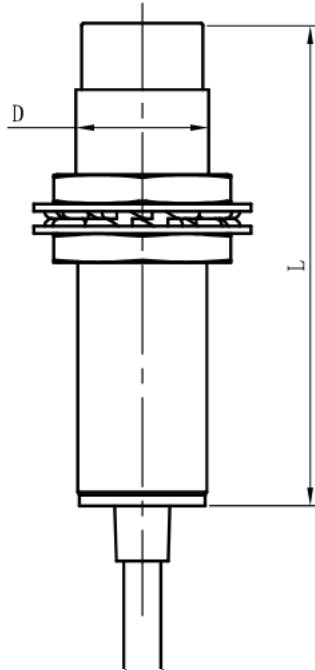
Rated operating voltage	DC:10-30V, AC:90-250V,50/60Hz;
Output control current	DC two-wire system is changed to AC two-wire system: 50-300mA,DC two-wire system 100mA, DC three limit changed to DC three wire system: 200mA, DC four-wire system: 100mA, five-wire system built-in relay, depending on the contact capacity;
Operating frequency	DC100Hz AC50Hz Change the value to AC5Hz
Voltage drop	AC two-wire system 6.5V,DC two-wire < 4V,DC three-wire, four-wire < 1.5 V
Current consumption	AC15mA, built-in relay type 35mA
Leakage current	AC two-wire system 1.6mA(AC250V),DC two-wire < 0.4mA,DC three-wire system, four-wire system < 0.1mA
Withstand voltage	DC: 500V, AC: 1500V
Humidity characteristic	20-70(within + or -10% of the detection distance when the change is 20)
Detection distance	1-80mm depending on product shape
Return difference	H≤0.2Sr
Repeatability	R≤0.1Sr
Seismic Capability	10-55Hz,1.5mm double amplitude
Class of protection	IP65
Category of use	AC-140; DC-12

F8 Induction switch

CDLJ Series proximity switch

Dimensions and mounting dimensions (mm)

- CDLJ



Specification and model	Embedded type		Non-embedded		D
	L	Sensing distance	L	Sensing distance	
CDLJ8A3-2 series	47.5	1	51.5	2	M8×1
CDLJ12A3-4 series	47	2	51.5	4	M12×1
CDLJ18A3-8 series	47.5	5	55.5	8	M18×1
CDLJ30A3-15 series	48	10	58.5	15	M30×1.5