

F8 Inductive Switch

CDJ10 Proximity Switch

Selection Guide

Product name	Inductive method	Installation method	Outline	Switch status	Output form
CDJ10	I	1	A8	A	N
	I: Inductive type D: Light electricity Diffuse Type R: Light electricity retroreflection Type T: Light electricity Shooting Type	1: Buried type 2: Non-buried type 3: Buried type and non-buried type	A: Cylindrical thread type B: Cylindrical smooth type C: Square section cuboid D: rectangular section cuboid Letters are capitalized and sizes are limited to two digits, indicating diameter or side length.	A: NO B: NC C: NO.NC Optional D: NO + NC E: relay does not conduct power output P: the users' order As separate notes S: other	A: AC, 3-wire T: Transmitter P: DC,PNP, 3 wire or 4wire N: DC,NPN, 3 Wire or 4-wire D: DC, 2-wire, F: AC, 2-wire, U: AC and DC, S Other

Product features

Proximity switch is a kind of position sensor with on-off output. It not only has the characteristics of travel switch and microswitch, but also has sensing performance. It can be networked with microcomputer to achieve the purpose of automatic control, and can also directly drive relay, counter and contactor. And it has the advantages of high working frequency, long service life, good anti-interference performance, high reset precision (0.02 cm), various output forms, water resistance, shock resistance and corrosion resistance. It has been widely used in machinery, textile, light industry, metallurgy, papermaking, printing, packaging, tobacco, electric power, mining, railway, aviation, military and other industries.

Technical parameters

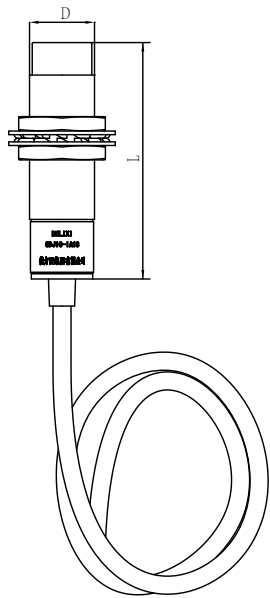
Rated working voltage	DC:10-30V, AC:90-250V,50/60Hz;
Output control current	DC two-wire system is modified to AC two-wire system: 50-300 mA, DC two-wire system 100mA,
Operating frequency	DC three-wire system is modified to DC three-wire system: 200 mA,
Voltage drop	DC four-wire system: 100mA, five-wire system built-in relay, depending on contact capacity;
Current consumption	DC≥100Hz AC≥50Hz modified to AC≥ 5Hz
Leakage current	AC two-wire system < 6.5V, DC two-wire system < 4V, DC three-wire system, four-wire system < 1.5V
Withstand voltage	AC≤15 mA, built-in relay type ≤35 mA
Humidity characteristics	AC two-wire system < 1.6mA (AC250V), DC two-wire system < 0.4mA, DC three-wire system, four-wire system <0.1mA
Detection range	DC: 500V, AC: 1500V
Return difference	-20°C-70°C (within plus or minus 10% of the detection distance when the change is 20°C)
Repeatability	1-80mm depending on product shape
Earthquake resistance	10-55Hz, double amplitude of 1.5 mm
Degree of protection	IP65
Use categories	AC-140; DC-12

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Outline and installation dimension (mm)

- CDJ10-I□A□□



Type and size	L				D
	Type I1 Buried		Type I2 non-embedded		
	Metallic type	Non-metallic type	Metallic type	Non-metallic type	
A12	63	57	61.5	62	M12×1
A18	63	66	64	75	M18×1
A30	63	88.5	68	99.5	M30×1.5