



Inductive Proximity Sensor/Switch Datasheet

CJM1-5.4M Series Cylindrical General Type Proximity Sensor

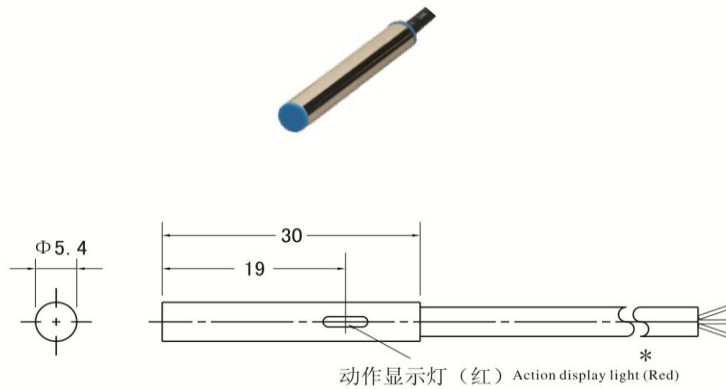
<p>Introduction</p> <ul style="list-style-type: none"> ● Inductive proximity switch is a device for realizing the non-electrical measurement by inductive winding or the change of coefficient of mutual induction. ● It has high resolution and accuracy for the monitoring and measurement of presence, movement and position of metallic objects. ● The operating distance of the sensor depends on the coil's size as well as the target's shape, size and material. ● It is divided into two categories according to the working state : NO - Normal Open type, NC - Normal Close type 	<p>Features:</p> <ul style="list-style-type: none"> ◆ Economy type, can be the direct substitution of the same types in China. ◆ Power supply reversal connection protection; short-circuit protection, can directly connect with PLC ◆ Super-mini type $\Phi 4/M5$ D.C., M8 A.C. has been trial-produced and promoted ◆ Used in common places with medium environment resistance ◆ Red LED indicates that it's available to detect the sensor operating state ◆ Economic and simply operation ◆ Widely used, can be the substitution of min-type switch and limiting switch ◆ IP67 protection structure(IEC specification)
--	---

Ordering Part Number:				
Model	Detection distance	Switch point function	Working voltage	Connection form
CJM1-5.4M-N1	1mm \pm 10%	NPN NO	DC10-30V	NPN NO
CJM1-5.4M-N2	1mm \pm 10%	NPN NC	DC10-30V	NPN NC
CJM1-5.4M-P1	1mm \pm 10%	PNP NO	DC10-30V	PNP NO
CJM1-5.4M-P2	1mm \pm 10%	PNP NC	DC10-30V	PNP NC



Inductive Proximity Sensor/Switch Datasheet

Structure Parameter:



Technical Parameter:

Rated action distance (Sn)	1mm
Installation	Flush-mounting
Reliable movement distance (Sa)	0~0.82mm
Switching frequency (f)	DC 0~500 HZ
Hysteresis (H)	Typical values%
Reverse polarity protection	Yes
Short circuit protection	Pulse
Voltage drop (Ud)	DC ≤ 1V
Working current (I _L)	0~100 mA
Leakage current (I _r)	0~0.5mA typical values 0.1uA, 25°C
No-load current (I _D)	≤ 15mA
Indicator light	Red LED
environment temperature	-20°C ~ 70°C (248-343K)
Connection form	2m, PVC
Conductor cross-sectional area	0.14mm
Shell material	Brass, Nickel plating
Induction surface	PBT
Protection grade	IP65
Standard	EN 60947-1:2004

Inductive Proximity Sensor/Switch Datasheet

Remarks:

- Inductive proximity sensors detect the metallic objects.
- The detection distance may fluctuate with the different materials of the detected target. Custom design in the different rated input current and the output voltage are available.
- Both the configuration parameters and the cable length can be customized. Standard cable length 2M.
- If no explicit requirement for the output polarity, the proximity sensor will be supplied based on NPN mode.

WARNING : Incorrect wiring may cause damage to the sensor.