

INDUCTIVE PROXIMITY SENSORS

DC TYPE (3 WIRE VERSION)



Inductive proximity sensors can be used for position sensing, speed measurement, counting & in conditions such as oily, dusty, corrosive environment. Their applications are in Automobile, Steel Industries, CNC/NC machines, Conveyor systems, Packaging machines etc.

These 3 wire DC sensors are with NPN or PNP transistorised output and the load is connected in parallel.

SPECIFICATIONS:

Supply voltage	: 10-30 V DC
Ripple on supply	: 10% max
No load current	: Less than 10 mA
Maximum load current	: 100 mA / 300 mA (For M12 & above)
Hysteresis	: 15% max
Operating temperature	: -25° C to +70° C
Output transistor	: PNP or NPN
Output logic	: NO or NC or NO +NC
Environmental protection	: IP67
Repeat accuracy	: Less than 0.02 mm
Temperature drift	: 5% typical
Switch - ON effect suppression	: Incorporated
Reverse polarity protection	: Provided
Short circuit protection	: Provided (For M12 & above)
Status indication	: Provided through LED

SWITCHING FREQUENCY

Ø (mm)	8	12	18	30	36	50
Hz	2000	1000	800	300	200	100

FLUSH MOUNTING

Ø1	L1	L2	L	Sn	Ø1	L1	L2	L	Sn
8	45	-	45	1	30	50	20	70	10
12	55	20	75	2	36	60	20	80	15
16	55	20	75	5	50	40	20	60	20
18	55	20	75	5					
20	50	20	70	5					
25	50	20	70	8					

NON FLUSH MOUNTING

Ø1	Ø2	L1	L2	L3	L	Sn	Ø1	Ø2	L1	L2	L3	L	Sn
8	7	40	-	5	45	2	25	23	50	20	10	80	10
12	10	45	20	5	70	4	30	28	35	20	15	70	15
18	16	45	20	10	75	8	36	33	35	20	25	80	20
20	16	50	20	10	80	8	50	46	40	20	20	80	25
22	16	50	20	10	80	8							



PROXIMON
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