

Clamp position sensor LT20 series



Features

- Built-in short circuit protection, reverse polarity protection and overload protection
- With anti-magnetic field interference function, anti-magnetic: $\geq 100\text{mT}$
- Cable length and S01 & S02 sensing distance can also be customized according to customer requirements



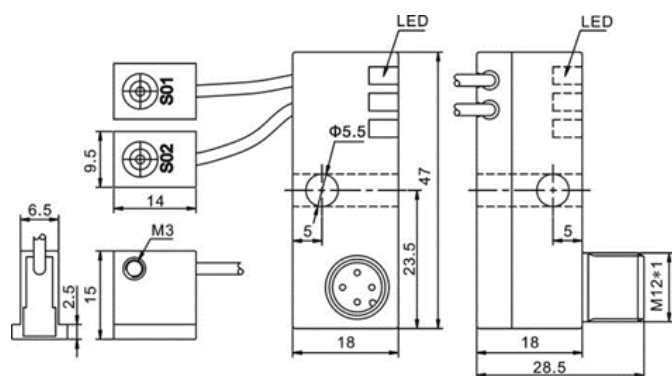
Model

NPN NO+NO	LT20SN02DNOA-E2 1001	PNP NO+NO	LT20SN02DPOA-E2 1001
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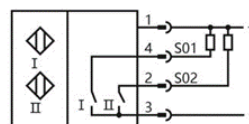
Specifications

Installation type	Non-flush	Output indication	S01:Yellow LED S02:Red LED
Rated distance Sn	S01:2mm S02:2mm	Power indicator	Green LED
Ensure distance	S01:1.6mm S02:1.6mm	Ambient temperature	-25°C...70°C
Shape specification	47*18*28.5mm	Environment humidity	35...95%RH
Output type	NO+NO	Switching frequency	1000Hz
Supply voltage	10...30 VDC	Impact withstand voltage	1000V/AC 50/60Hz 60S
Standard target	Fe 8*8*1t	Insulation resistance	$\geq 50\text{M}\Omega(500\text{VDC})$
Switch point offset	$\leq \pm 10\%S_r$	Vibration resistance	Complex amplitude 1.5mm 10...50Hz
Hysteresis range	3...10%		(2 hours each in X, Y, and Z directions)
Repetitive error	$\leq 3\%$	Protection degree	IP67
Load current	$\leq 150\text{mA}$	Housing material	PA66+20%GF Lampshade :PC
Residual voltage	$\leq 2.5\text{VDC}$	Sensor head line length	S01:100mm+5mm; S02:100mm+5mm
Consumption current	$\leq 20\text{mA}$	Connection type	M12 connector
Protection circuit	Short circuit protection、 overload protection、 Polarity protection		

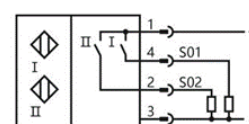
Dimensions



Wiring diagram



NPN NO+NO



PNP NO+NO

- 1-BN: +
2-WH: out (S02)
3-BU: -
4-BK: out (S01)

