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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



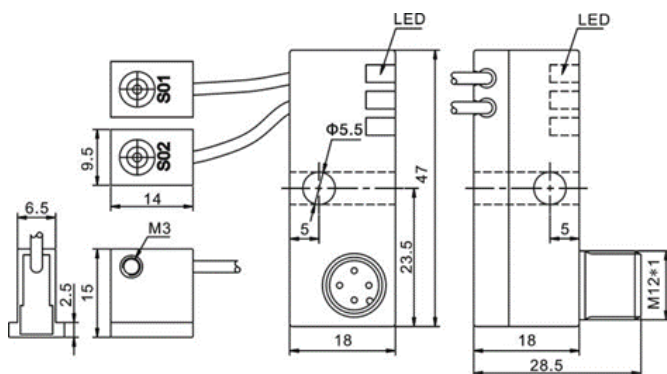
Model

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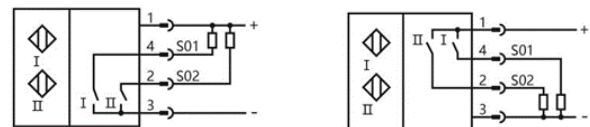
Specifications

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 (2 hours each in X, Y, and Z directions)
Hysteresis range	3...10%	Protection degree	IP67
Repetitive error	$\leq 3\%$	Housing material	PA66+20%GF Lampshade :PC
Load current	$\leq 150\text{mA}$	Sensor head line length	S01:100mm+5mm; S02: 100mm+5mm
Residual voltage	$\leq 2.5\text{ VDC}$	Connection type	M12 connector
Consumption current	$\leq 20\text{mA}$		
Protection circuit	Short circuit protection, overload protection, Polarity protection		

Dimensions



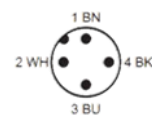
Wiring diagram



NPN NO+NO

PNP NO+NO

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



Clamp position sensor LT18 series



Features

- Built-in short circuit protection, reverse polarity protection and overload protection
- With anti-magnetic field interference function, anti-magnetic: $\geq 100\text{mT}$
- Standard cable length of S01 and S02 can be 10cm, 15cm or 20cm;
- The connector head can be rotated at 0°, 45°, and 90° positions for flexible wiring
- 2 normally open, PNP output optional



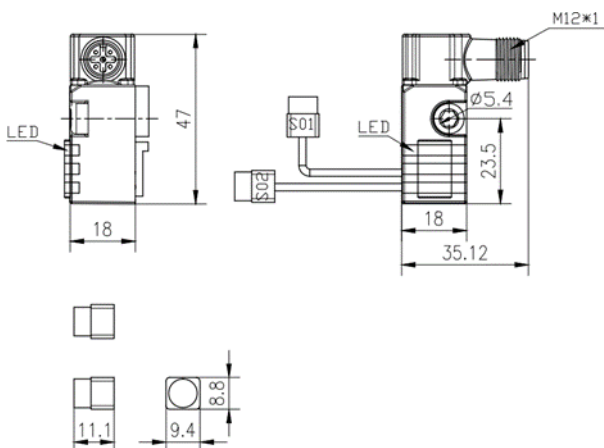
Model

PNP	LT18SN02DPOA-E2 2001(检测头线长)		
PNP	LT18SN02DPOA-E2 2002(检测头线长)		

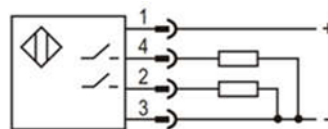
Specifications

Installation type	Non-flush		Protection circuit	Short circuit protection, overload protection, Polarity protection
Rated distance Sn	S01:2mm	S02:2mm	Output indication	S01:Yellow LED S02:Red LED
Ensure distance	S01:0...1.6mm	S02:0...1.6mm	Power indicator	Green LED
Shape specification	47*18*35.1mm		Ambient temperature	-25°C...70°C
Output type	NO+NO		Environment humidity	35...95%RH
Supply voltage	10...30 VDC		Switching frequency	50Hz
Standard target	Fe 5*5*1t		Impact withstand voltage	1000V/AC 50/60Hz 60S
Switch point offset	$\leq \pm 10\%Sr$		Insulation resistance	$\geq 50M\Omega(500VDC)$
Hysteresis range	3...15%		Vibration resistance	Complex amplitude 1.5mm 10...50Hz
Repetitive error	$\leq 2\%$			(2 hours each in X, Y, and Z directions)
Load current	$\leq 150\text{mA}$		Protection degree	IP67
Residual voltage	$\leq 2.5V$		Housing material	PA66+20%GF Lampshade :PC
Temperature drift	$< \pm 10\%$		Connection type	200mm PUR cable
Consumption current	$\leq 20\text{mA}$			

Dimensions

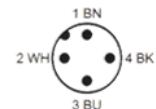


Wiring diagram

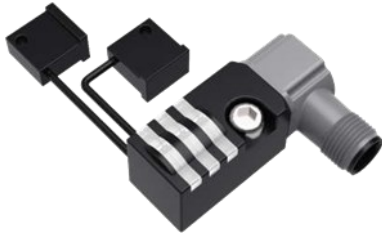


PNP NO+NO

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



Clamp position sensor **LT18** series



Features

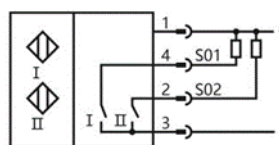
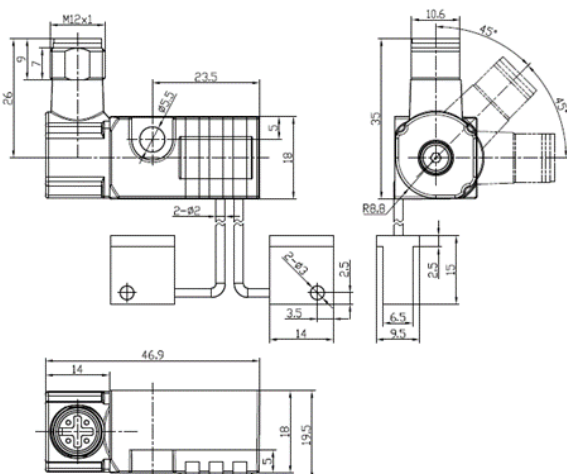
- Built-in short circuit protection, reverse polarity protection and overload protection
- With anti-magnetic field interference function, anti-magnetic: $\geq 100\text{mT}$
- Standard cable length of S01 and S02 can be 10cm, 15cm or 20cm
- The connector head can be rotated at 0°, 45°, and 90° positions for flexible wiring
- 2 normally open, PNP and NPN output optional



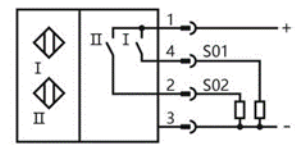
Model			
PNP	LT18SN02DPOA-E2 1001(Length of detection head 100mm)	NPN	LT18SN02DNOA-E2 1001(Length of detection head100mm)
PNP	LT18SN02DPOA-E2 1002(Length of detection head 150mm)		
PNP	LT18SN02DPOA-E2 1003(Length of detection head 200mm)		

Specifications				
Installation type	Non-flush		Protection circuit	Short circuit protection、 overload protection、 Polarity protection
Rated distance Sn	S01:2mm	S02:2mm	Output indication	S01:Yellow LED S02:Red LED
Ensure distance	S01:0...1.6mm	S02:0...1.6mm	Power indicator	Green LED
Shape specification	47*18*35.1mm		Ambient temperature	-25°C...70°C
Output type	NO+NO		Environment humidity	35...95%RH
Supply voltage	10...30 VDC		Switching frequency	30Hz
Standard target	Fe 5*5*1t		Impact withstand voltage	1000V/AC 50/60Hz 60S
Switch point offset	$\leq \pm 10\%Sr$		Insulation resistance	$\geq 50\text{M}\Omega(500\text{VDC})$
Hysteresis range	3...15%		Vibration resistance	Complex amplitude 1.5mm 10...50Hz
Repetitive error	$\leq 3\%$			(2 hours each in X, Y, and Z directions)
Load current	$\leq 150\text{mA}$		Protection degree	IP67
Residual voltage	$\leq 2.5\text{VDC}$		Housing material	PA66+20%GF Lampshade :PC
Temperature drift	$< \pm 10\%$		Connection type	Rotatable M12 connector
Consumption current	$\leq 20\text{mA}$			

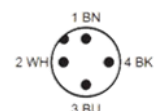
Dimensions



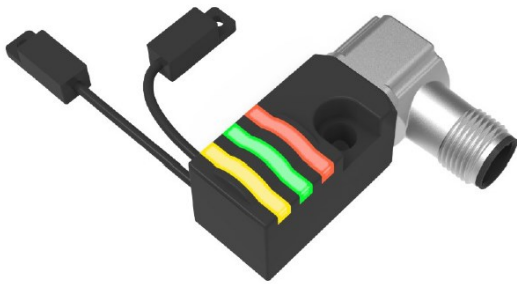
NPN NO+NO



PNP NO+NO



Clamp position sensor **LT18** series



Features

- Built-in short circuit protection, reverse polarity protection and overload protection
- With anti-magnetic field interference function, anti-magnetic: $\geq 100\text{mT}$
- Standard cable length of S01 and S02 can be 10cm, 15cm or 20cm
- The connector head can be rotated at 0°, 45°, and 90° positions for flexible wiring
- 2 normally open, PNP and NPN output optional



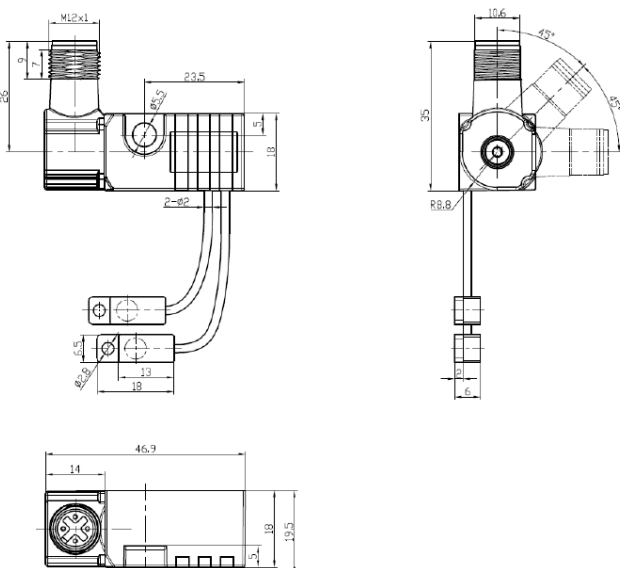
Model

PNP	LT18SN02DPOA-E2 4001(Length of detection head 100mm)	NPN	LT18SN02DNOA-E2 4001(Length of detection head100mm)
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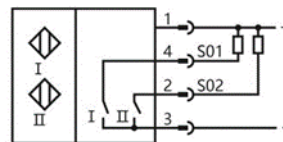
Specifications

Installation type	Non-flush	Protection circuit	Short circuit protection, overload protection, Polarity protection
Rated distance Sn	S01:2mm S02:2mm	Output indication	S01:Yellow LED S02:Red LED
Ensure distance	S01:0...1.6mm S02:0...1.6mm	Power indicator	Green LED
Shape specification	47*18*35mm	Ambient temperature	-25°C...70°C
Output type	NO+NO	Environment humidity	35...95%RH
Supply voltage	10...30 VDC	Switching frequency	30Hz
Standard target	Fe 5*5*1t	Impact withstand voltage	1000V/AC 50/60Hz 60S
Switch point offset	$\leq \pm 10\%S_r$	Insulation resistance	$\geq 50\text{M}\Omega(500\text{VDC})$
Hysteresis range	3...15%	Vibration resistance	Complex amplitude 1.5mm 10...50Hz (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	$\leq 2.5\text{V}$	Connection type	Rotatable M12 connector
Temperature drift	$< \pm 10\%$		
Consumption current	$\leq 20\text{mA}$		

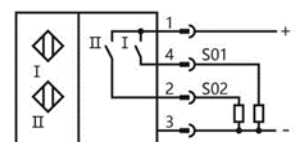
Dimensions



Wiring diagram

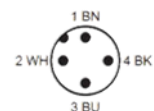


NPN NO+NO

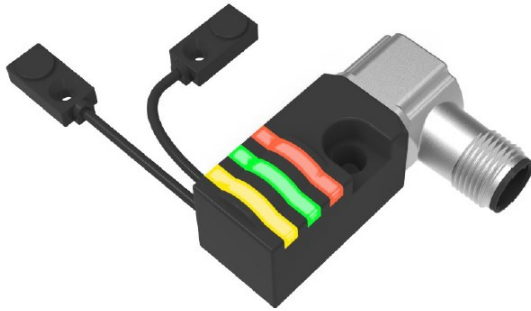


PNP NO+NO

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



Clamp position sensor **LT18** series



Features

- Built-in short circuit protection, reverse polarity protection and overload protection
- With anti-magnetic field interference function, anti-magnetic: $\geq 100\text{mT}$
- Standard cable length of S01 and S02 can be 10cm, 15cm or 20cm
- The connector head can be rotated at 0°, 45°, and 90° positions for flexible wiring
- 2 normally open, PNP and NPN output optional

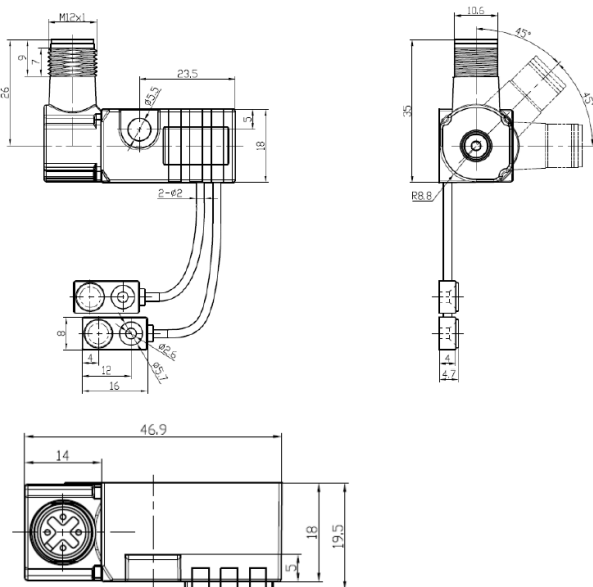


Model			
PNP	LT18SN02DPOA-E2 3001(Length of detection head 100mm)	NPN	LT18SN02DNOA-E2 3001(Length of detection head 100mm)

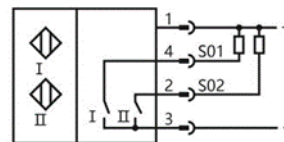
Specifications

Installation type	Non-flush	Protection circuit	Short circuit protection, overload protection, Polarity protection
Rated distance Sn	S01:2mm S02:2mm	Output indication	S01:Yellow LED S02:Red LED
Ensure distance	S01:0...1.6mm S02:0...1.6mm	Power indicator	Green LED
Shape specification	47*18*35mm	Ambient temperature	-25°C...70°C
Output type	NO+NO	Environment humidity	35...95%RH
Supply voltage	10...30 VDC	Switching frequency	30Hz
Standard target	Fe 5*5*1t	Impact withstand voltage	1000V/AC 50/60Hz 60S
Switch point offset	$\leq \pm 10\%Sr$	Insulation resistance	$\geq 50\text{M}\Omega(500\text{VDC})$
Hysteresis range	3...15%	Vibration resistance	Complex amplitude 1.5mm 10...50Hz (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	$\leq 2.5\text{V}$	Connection type	Rotatable M12 connector
Temperature drift	$< \pm 10\%$		
Consumption current	$\leq 20\text{mA}$		

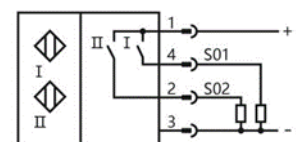
Dimensions



Wiring diagram

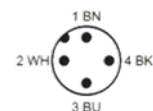


NPN NO+NO



PNP NO+NO

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



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