

# Индуктивные датчики устойчивые к высокому давлению LR

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## High pressure resistant inductive sensors **LR12X** series



### Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



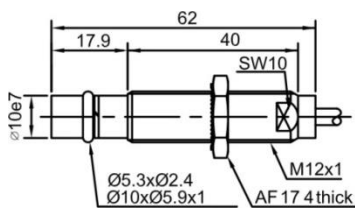
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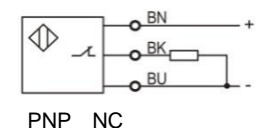
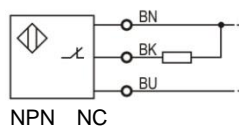
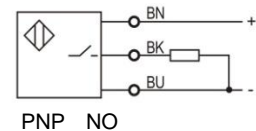
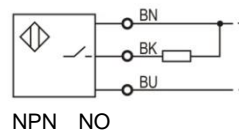
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	1.5mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.2mm	Output indicator	...
Dimensions	M12*62mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	600 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤±15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP68
Load current	≤100mA	Housing material	Stainless steel housing
Residual voltage	≤2.5V	Connection type	2m PUR cable

### Dimensions



### Wiring diagram



## High pressure resistant inductive sensors **LR12X** series



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- ◆ Integrated stainless steel housing design;
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- ◆ Withstand pressure 500Bar;
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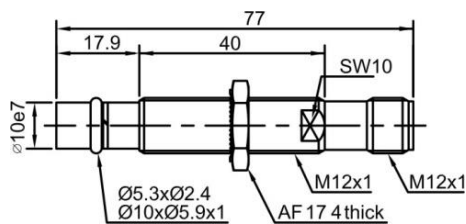
### Part number

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NPN NC	LR12XBF15DNCB-E2	PNP NC	LR12XBF15DPCB-E2

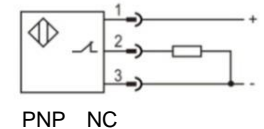
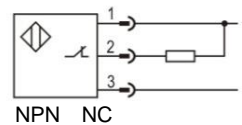
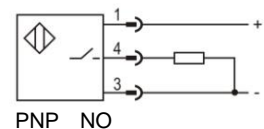
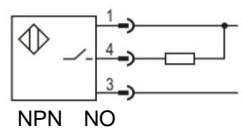
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	1.5mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.2mm	Output indicator	...
Dimensions	M12*77mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	600 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤±15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP68
Load current	≤100mA	Housing material	Stainless steel housing
Residual voltage	≤2.5V	Connection type	M12 connector

### Dimensions



### Wiring diagram



## High pressure resistant inductive sensors **LR18X** series



### Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



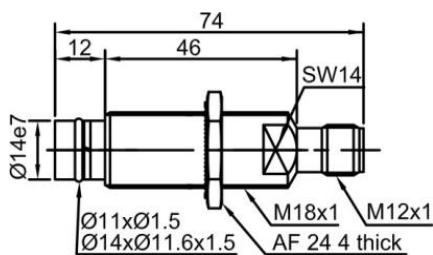
### Part number

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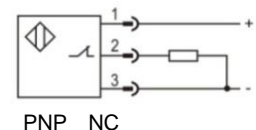
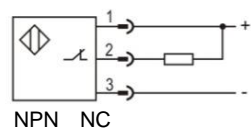
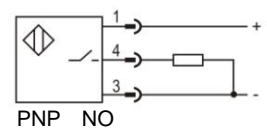
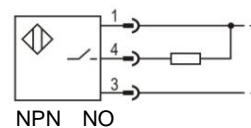
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	2mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.6mm	Output indicator	...
Dimensions	M18*74mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	200 Hz
Standard target	Fe 18*18*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤ ± 15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 5%	Degree of protection	IP68
Load current	≤ 100mA	Housing material	Stainless steel housing
Residual voltage	≤ 2.5V	Connection type	M12 connector

### Dimensions



### Wiring diagram



High pressure resistant inductive sensors **LR18X** series



Features

- ◆ Integrated stainless steel housing design;
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- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



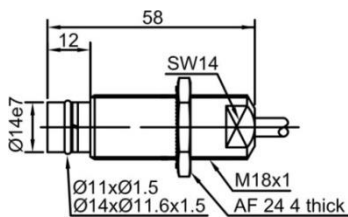
Part number

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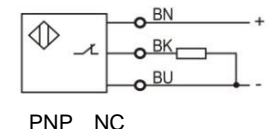
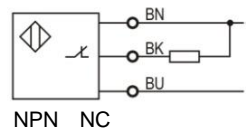
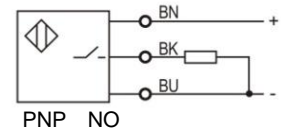
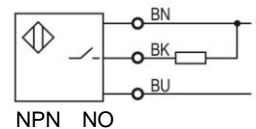
Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	2mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.6mm	Output indicator	...
Dimensions	M18*58mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	200 Hz
Standard target	Fe 18*18*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤ ± 15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 5%	Degree of protection	IP68
Load current	≤ 100mA	Housing material	Stainless steel housing
Residual voltage	≤ 2.5V	Connection type	2m PUR cable

Dimensions



Wiring diagram



## High pressure resistant inductive sensors **LR16X** series



### Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



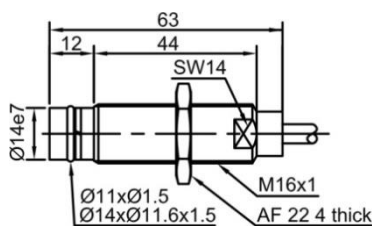
### Part number

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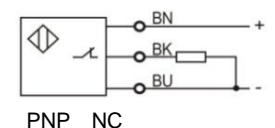
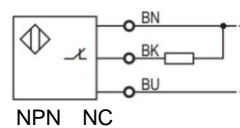
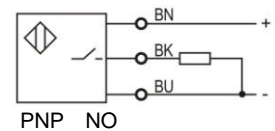
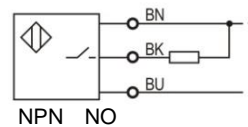
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	2mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.6mm	Output indicator	...
Dimensions	M16*63mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	600 Hz
Standard target	Fe 16*16*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤ ± 15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 5%	Degree of protection	IP68
Load current	≤ 100mA	Housing material	Stainless steel housing
Residual voltage	≤ 2.5V	Connection type	2m PUR cable

### Dimensions



### Wiring diagram



High pressure resistant inductive sensors **LR16X** series



Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



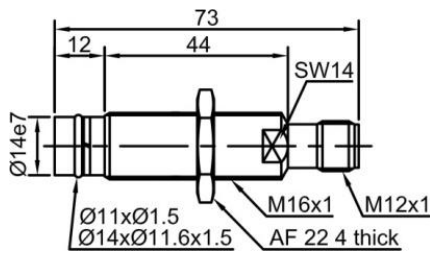
Part number

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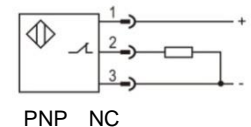
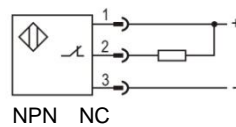
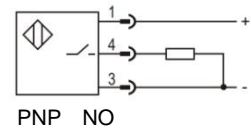
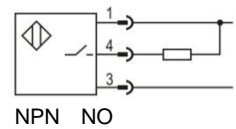
Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	2mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.6mm	Output indicator	...
Dimensions	M16*73mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	600 Hz
Standard target	Fe 16*16*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤ ± 15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 5%	Degree of protection	IP68
Load current	≤ 100mA	Housing material	Stainless steel housing
Residual voltage	≤ 2.5V	Connection type	M12 connector

Dimensions



Wiring diagram



## High pressure resistant inductive sensors **LR14X** series



### Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



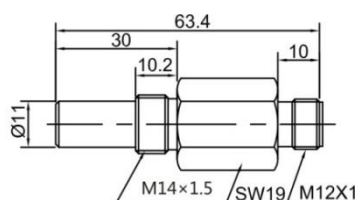
### Part number

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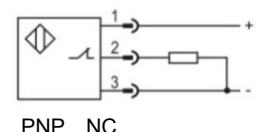
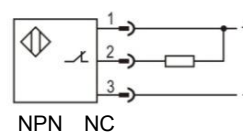
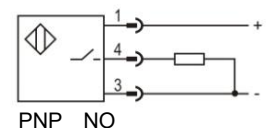
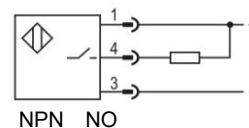
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	3mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...2.4mm	Output indicator	...
Dimensions	M14*63.4mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	400 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤±15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP68
Load current	≤100mA	Housing material	Stainless steel housing
Residual voltage	≤2.5V	Connection type	M12 connector

### Dimensions



### Wiring diagram



High pressure resistant inductive sensors **LR14X** series



Features

- ◆ Integrated stainless steel housing design;
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- ◆ Withstand pressure 500Bar;
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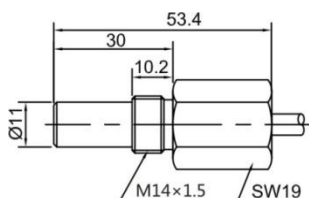
Part number

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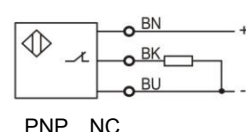
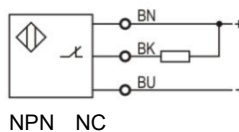
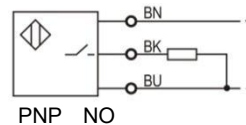
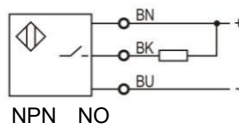
Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	3mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...2.4mm	Output indicator	...
Dimensions	M14*53.4mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	400 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤± 15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP68
Load current	≤100mA	Housing material	Stainless steel housing
Residual voltage	≤2.5V	Connection type	2m PUR cable

Dimensions



Wiring diagram



## High pressure resistant inductive sensors **LR14X** series



### Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



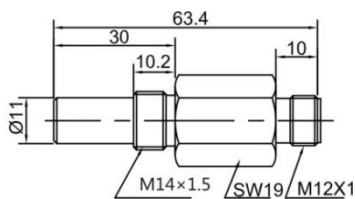
### Part number

NPN NO	LR14XBF15DNOB-E2	PNP NO	LR14XBF15DPOB-E2
NPN NC	LR14XBF15DNCB-E2	PNP NC	LR14XBF15DPCB-E2

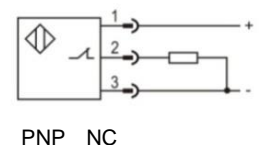
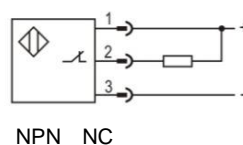
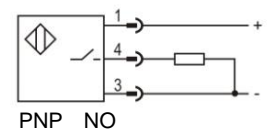
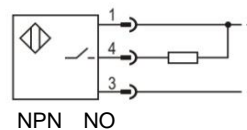
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	1.5mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.2mm	Output indicator	...
Dimensions	M14*63.4mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	600 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤±15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤5%	Degree of protection	IP68
Load current	≤100mA	Housing material	Stainless steel housing
Residual voltage	≤2.5V	Connection type	M12 connector

### Dimensions



### Wiring diagram



## High pressure resistant inductive sensors **LR14X** series



### Features

- ◆ Integrated stainless steel housing design;
- ◆ Extended sensing distance, IP68;
- ◆ Withstand pressure 500Bar;
- ◆ Perfect choice for high pressure system application.



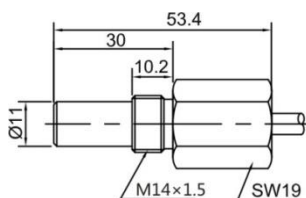
### Part number

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NPN NC	LR14XBF15DNCB	PNP NC	LR14XBF15DPCB

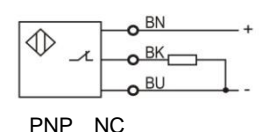
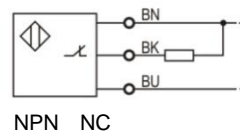
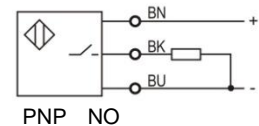
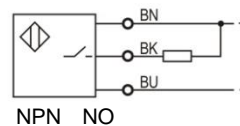
### Technical specifications

Mounting	Flush	Current consumption	≤15mA
Rated distance [Sn]	1.5mm	Circuit protection	Short-circuit, overload and reverse polarity
Assured distance [Sa]	0...1.2mm	Output indicator	...
Dimensions	M14*53.4mm	Ambient temperature	-25°C...80°C
Output	NO/NC(depends on part number)	Withstand pressure	500Bar
Supply voltage	10...30 VDC	Switching frequency [F]	600 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤ ± 15%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 5%	Degree of protection	IP68
Load current	≤ 100mA	Housing material	Stainless steel housing
Residual voltage	≤ 2.5V	Connection type	2m PUR cable

### Dimensions



### Wiring diagram



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