

# Индуктивные датчики с цельнометаллическим корпусом LR

## Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Нижний Новгород (831)429-08-12  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Саранск (8342)22-96-24  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

Россия +7(495)268-04-70

Казахстан +(727)345-47-04

Беларусь +(375)257-127-884

Узбекистан +998(71)205-18-59

Киргизия +996(312)96-26-47

эл.почта: [ahj@nt-rt.ru](mailto:ahj@nt-rt.ru) || сайт: <https://lanbao.nt-rt.ru/>

Full metal housing inductive sensors **LR30** series



Features

- ◆ High quality stainless steel housing, effective protection;
- ◆ More reliable, less maintenance cost;
- ◆ Perfect choice for food and chemical industry;



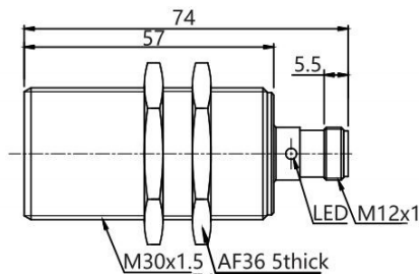
Part number

NPN NO	LR30XCF10DNOQ-E2	PNP NO	LR30XCF10DPOQ-E2
NPN NC	LR30XCF10DNCQ-E2	PNP NC	LR30XCF10DPCQ-E2

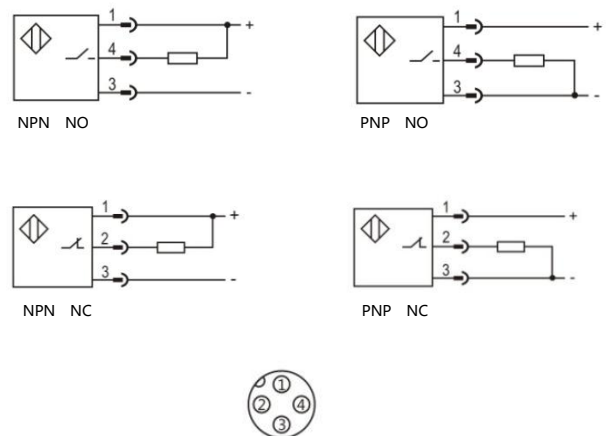
Technical specifications

Mounting	Flush	Circuit protection	Short-circuit, overload and reverse polarity
Rated distance	10mm	Output indicator	Yellow LED
Assured distance	0...8mm	Ambient temperature	-25°C...70°C
Dimensions	M30*74mm	Sensing face material	Stainless steel 316L
Output	NO/NC(depends on part number)	Switching frequency	100 Hz
Supply voltage	10...30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Standard target	Fe 30*30*1t	Insulation resistance	≥50MΩ(500VDC)
Switch-point drifts	≤±10%	Vibration resistance	Complex amplitude 1.5mm 10...50Hz (2 hours each in X, Y, and Z directions)
Hysteresis range	1...20%	Degree of protection	IP67
Repeat accuracy	≤3%	Housing material	Stainless steel 361L
Load current	≤200mA	Connection type	M12 connector
Residual voltage	≤2.5V		
Current consumption	≤15mA		

Dimensions



Wiring diagram



Full metal housing inductive sensors **LR18X** series



Features

- ◆ High quality stainless steel housing, effective protection;
- ◆ More reliable, less maintenance cost;
- ◆ Perfect choice for food and chemical industry;



Part number				
NPN NO	LR18XCN08DNOQ-E2	PNP NO	LR18XCN08DPOQ-E2	
NPN NC	LR18XCN08DNCQ-E2	PNP NC	LR18XCN08DPCQ-E2	

Technical specifications				
Mounting	Non-Flush	Circuit protection	Short-circuit, overload and reverse polarity	
Rated distance	8mm	Output indicator	Yellow LED	
Assured distance	0...6.48mm	Ambient temperature	-25°C...70°C	
Dimensions	M18*74mm	Sensing face material	Stainless steel 316L	
Output	NO/NC(depends on part number)	Switching frequency	50 Hz	
Supply voltage	10...30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s	
Standard target	Fe 24*24*1t	Insulation resistance	≥50MΩ(500VDC)	
Switch-point drifts	≤±10%	Vibration resistance	Complex amplitude 1.5mm 10...50Hz (2 hours each in X, Y, and Z directions)	
Hysteresis range	1...20%	Degree of protection	IP67	
Repeat accuracy	≤5%	Housing material	Stainless steel 316L	
Load current	≤200mA	Connection type	M12 connector	
Residual voltage	≤2.5V			
Current consumption	≤15mA			

Dimensions	Wiring diagram

Full metal housing inductive sensors **LR18X** series



Features

- ◆ High quality stainless steel housing, effective protection;
- ◆ More reliable, less maintenance cost;
- ◆ Perfect choice for food and chemical industry;



Part number			
NPN NO	LR18XCF05DNOQ-E2	PNP NO	LR18XCF05DPOQ-E2
NPN NC	LR18XCF05DNCQ-E2	PNP NC	LR18XCF05DPCQ-E2

Technical specifications			
Mounting	Flush	Circuit protection	Short-circuit, overload and reverse polarity
Rated distance	5mm	Output indicator	Yellow LED
Assured distance	0...4mm	Ambient temperature	-25°C...70°C
Dimensions	M18*74mm	Sensing face material	Stainless steel 316L
Output	NO/NC(depends on part number)	Switching frequency	200 Hz
Supply voltage	10...30 VDC	Voltage withstand	1000V/AC 50/60Hz 60s
Standard target	Fe 18*18*1t	Insulation resistance	≥50MΩ(500VDC)
Switch-point drifts	≤ ±10%	Vibration resistance	Complex amplitude 1.5mm 10...50Hz (2 hours each in X, Y, and Z directions)
Hysteresis range	1...20%	Degree of protection	IP67
Repeat accuracy	≤3%	Housing material	Stainless steel 316L
Load current	≤200mA	Connection type	M12 connector
Residual voltage	≤2.5V		
Current consumption	≤15mA		

Dimensions	Wiring diagram

Full metal housing inductive sensors **LR12X** series



Features

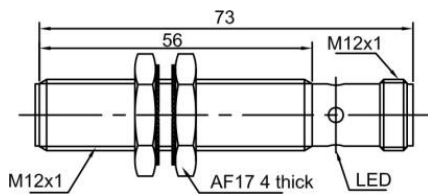
- ◆ High quality stainless steel housing, effective protection;
- ◆ More reliable, less maintenance cost;
- ◆ Perfect choice for food and chemical industry;



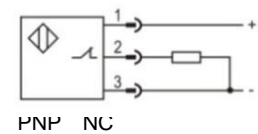
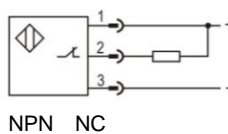
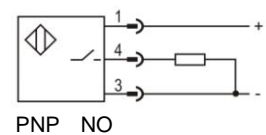
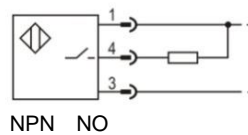
Part number					
NPN	NO	LR12XCF02DNOQ-E2	PNP	NO	LR12XCF02DPOQ-E2
NPN	NC	LR12XCF02DNCQ-E2	PNP	NC	LR12XCF02DPCQ-E2

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	Yellow LED
Dimensions	M12*73mm	Ambient temperature	-25°C...70°C
Output	NO/NC(depends on part number)	Sensing face material	Stainless steel
Supply voltage	10...30 VDC	Switching frequency [F]	300 Hz
Standard target	Fe 12*12*1t	Voltage withstand	1000V/AC 50/60Hz 60s
Switch-point drifts [%/Sr]	≤ ± 10%	Insulation resistance	≥50MΩ(500VDC)
Hysteresis range [%/Sr]	1...20%	Vibration resistance	10...50Hz (1.5mm)
Repeat accuracy [R]	≤ 3%	Degree of protection	IP67
Load current	≤ 200mA	Housing material	Stainless steel
Residual voltage	≤ 2.5V	Connection type	M12 connector

Dimensions



Wiring diagram



## По вопросам продаж и поддержки обращайтесь:

Алматы (727)345-47-04  
Ангарск (3955)60-70-56  
Архангельск (8182)63-90-72  
Астрахань (8512)99-46-04  
Барнаул (3852)73-04-60  
Белгород (4722)40-23-64  
Благовещенск (4162)22-76-07  
Брянск (4832)59-03-52  
Владивосток (423)249-28-31  
Владикавказ (8672)28-90-48  
Владимир (4922)49-43-18  
Волгоград (844)278-03-48  
Вологда (8172)26-41-59  
Воронеж (473)204-51-73  
Екатеринбург (343)384-55-89

Иваново (4932)77-34-06  
Ижевск (3412)26-03-58  
Иркутск (395)279-98-46  
Казань (843)206-01-48  
Калининград (4012)72-03-81  
Калуга (4842)92-23-67  
Кемерово (3842)65-04-62  
Киров (8332)68-02-04  
Коломна (4966)23-41-49  
Кострома (4942)77-07-48  
Краснодар (861)203-40-90  
Красноярск (391)204-63-61  
Курск (4712)77-13-04  
Курган (3522)50-90-47  
Липецк (4742)52-20-81

Магнитогорск (3519)55-03-13  
Москва (495)268-04-70  
Мурманск (8152)59-64-93  
Набережные Челны (8552)20-53-41  
Новокузнецк (3843)20-46-81  
Ноябрьск (3496)41-32-12  
Новосибирск (383)227-86-73  
Омск (3812)21-46-40  
Орел (4862)44-53-42  
Оренбург (3532)37-68-04  
Пенза (8412)22-31-16  
Петрозаводск (8142)55-98-37  
Псков (8112)59-10-37  
Пермь (342)205-81-47

Ростов-на-Дону (863)308-18-15  
Рязань (4912)46-61-64  
Самара (846)206-03-16  
Санкт-Петербург (812)309-46-40  
Саратов (845)249-38-78  
Севастополь (8692)22-31-93  
Саранск (8342)22-96-24  
Симферополь (3652)67-13-56  
Смоленск (4812)29-41-54  
Сочи (862)225-72-31  
Ставрополь (8652)20-65-13  
Сургут (3462)77-98-35  
Сыктывкар (8212)25-95-17  
Тамбов (4752)50-40-97  
Тверь (4822)63-31-35

Тольятти (8482)63-91-07  
Томск (3822)98-41-53  
Тула (4872)33-79-87  
Тюмень (3452)66-21-18  
Ульяновск (8422)24-23-59  
Улан-Удэ (3012)59-97-51  
Уфа (347)229-48-12  
Хабаровск (4212)92-98-04  
Чебоксары (8352)28-53-07  
Челябинск (351)202-03-61  
Череповец (8202)49-02-64  
Чита (3022)38-34-83  
Якутск (4112)23-90-97  
Ярославль (4852)69-52-93

**Россия** +7(495)268-04-70

**Казахстан** +(727)345-47-04

**Беларусь** +(375)257-127-884

**Узбекистан** +998(71)205-18-59

**Киргизия** +996(312)96-26-47

эл.почта: [ahj@nt-rt.ru](mailto:ahj@nt-rt.ru) || сайт: <https://lanbao.nt-rt.ru/>