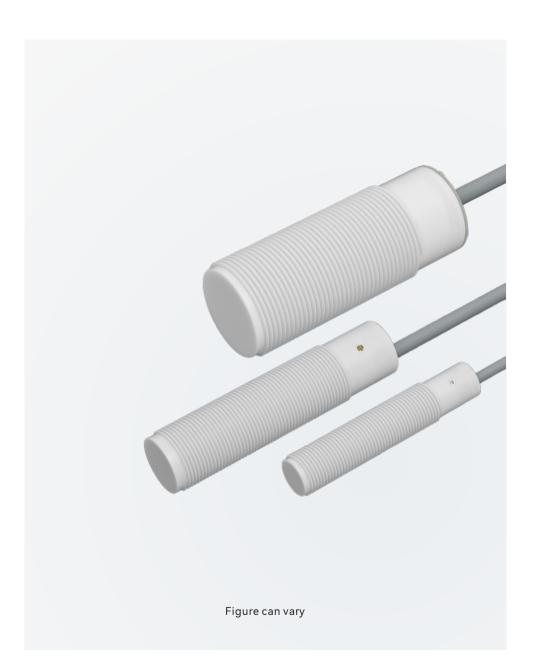


TECHNICAL DATA SHEET

Inductive Proximity Switches Proximity Sensors Corrosion Resistant Series



Contents

- Functional Description
- Application ScenariosTechnical Parameters
- Size Parameters
- Wiring Diagram

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We reserve the right to make technical changes 2025-02-16

Proximity sensors: solutions for multiple scenarios

Proximity sensors are widely used in many fields due to their non-contact detection, high accuracy and fast response.

Inductive series for oil-resistant and corrosion-resistant machine tool industry

Many times we are faced with harsh operating environments, compact installation spaces, and conditions with both movement and corrosion during use, such as the machine tool manufacturing industry, which has such diverse needs - the number of materials, processes and molds involved is huge and varied. During the production process, cutting fluids and abrasives are required to process workpieces, so various sensor solutions that are not affected by harsh environmental conditions are required. dadisick's product series, which uses different manufacturing processes, can even provide fully suitable sensor solutions for high-speed applications or applications involving corrosive coolants and lubricants.



All-metal integrated housing anti-washing series



Due to the stainless steel integrated housing, this series of sensors not only has good impact resistance, but also can withstand the corrosion of detergents and solvents. It can be used in environments that require frequent high-pressure washing, and can achieve long-term sealing that meets the IP69K protection level. At the same time, it is compatible with the installation method of conventional sensors, which can be replaced and replaced conveniently and practically. It includes a variety of models with a diameter of 8mm...30mm, all with direct cable output and M12 standard connector. Operating distance 2...8mm.

Low-temperature -40°C inductive series for wind power generation

Wind power generation has become one of the world's recognized main clean energy generation methods because it does not require the use of fuel and does not produce radiation or air pollution. Different sensors are used in the operation of the variable pitch yaw generator reducer of the wind turbine to detect the correction of the control movement and rotation process. Most of the installation locations of wind turbines are in places with severe temperature changes such as mountains, oceans and plateaus, which require higher temperature environments for sensors. Our low-temperature $-40\,^{\circ}\text{C}$ product series launched for this use environment is perfectly adapted to the application here.



Solutions for high-temperature series long-distance products in steelmaking and rolling



Steelmaking and rolling equipment produces complex oil, gas and water erosion and flushing sensors for various raw materials under high temperature of oil and gas in a high-temperature 2000° radiation environment, which puts higher requirements on the stability of sensors. In the position control detection of multiple processes of steel billets, coils and wires, DADISICK has a variety of series of products with high temperature resistance of 250°C, DC two-wire, AC 250V, etc., which are widely used in this complex environment to ensure normal production.

Anti-welding slag adhesion, high temperature resistance and anti-interference series

Whether it is stamping, welding, painting, or assembly processes in automobile manufacturing, long distance, anti-welding slag adhesion, strong current magnetic field interference, or high temperature environment, DADISICK sensors can be used for fixtures, molds and other equipment. Reliable performance and perfect solutions bring a smooth production process to automobile manufacturing. In the welding of various high-current welding machines, the strong magnetic field interference generated by the current and the high-temperature heat conduction generated by the arc will affect the sensors in the fixture molds. Reliable performance products must be selected to ensure normal operation.



All-metal integrated housing anti-washing series

A large number of intelligent warehousing and logistics facilities, such as AGV trolleys and rail-to-rail stackers, are equipped with our sensors to realize the control of rotating positioning and lifting devices, etc., providing very stable and durable high-reliability products. Under the high requirements of small installation space and long detection distance, this series of products is the best choice for customers with strict cost control. Choosing this series of products is the best choice for customers with strict cost control.

High-pressure 1000Bar hydraulic cylinder series

The stable and reliable hydraulic cylinder telescopic more often uses DADISICK's inductive proximity sensors with a high pressure resistance of up to 1000Bar to achieve the control of the origin. Ceramic chips are used as high-voltage products at the induction level and stainless steel integrated housings are used to achieve high-pressure resistant applications. DC10-30V two-wire and three-wire products are also provided.



Analog output series for position correction and control devices



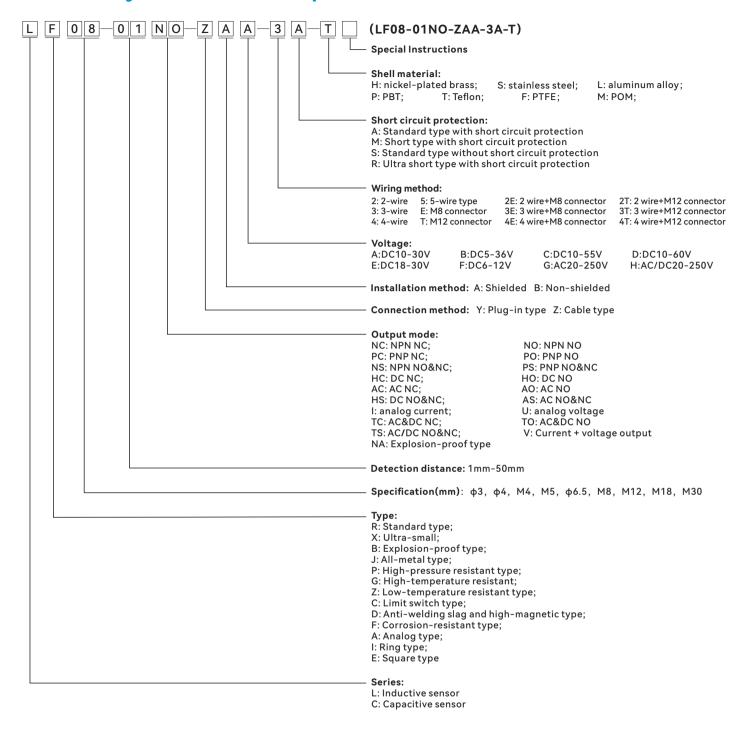
In detecting the offset position of the controlled parts of the fixture, analog output proximity sensors are often used in wire reel correction, and the size of the offset is controlled by the size of the detection distance. This use can be installed and tested in a very small position space. We have successfully provided stable and accurate products for many parts manufacturers and wire rope winding equipment, including 0-10V voltage output and 4-20mA current output and current + voltage output products. The detectable distance can be adjusted between 0-50mm.

Shoemaking, textile and papermaking machinery series products

Whichever manufacturer of shoemaking machines, textile machines and papermaking machines has long equipped the mechanical equipment they produce with more automated operation technologies, these control technologies are also equipped with high-quality sensors to achieve their control conditions. They require products with higher switching frequency accuracy and better stability, and they need a variety of products with unconventional dimensions. We tailor new outer shell dimensions for them one by one to meet their needs.



Proximity Sensor Model Specifications





Corrosion-resistant Series

Proximity sensors

This series is suitable for surface pressure and underwater pressure of the ocean, and corrosive liquid working environment.

Features:

· Features: Made of integrated PTFE shell with high pressure resistance and corrosion resistance.

·Specifications: M8, M12, M18, M30;

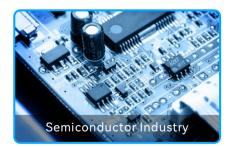
· Detection distance: 1-25mm;

· Working voltage: 10-30V DC/10-60V DC;

· Product certification: CE, ROHS.



Application Industry





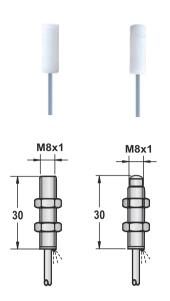


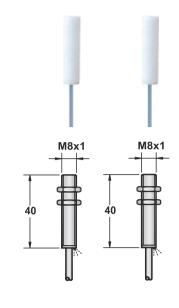






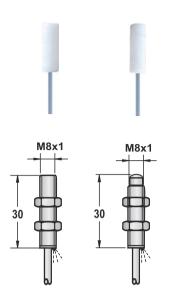
Weld And Magnetic Immune Series

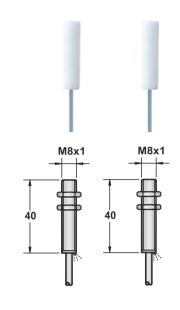


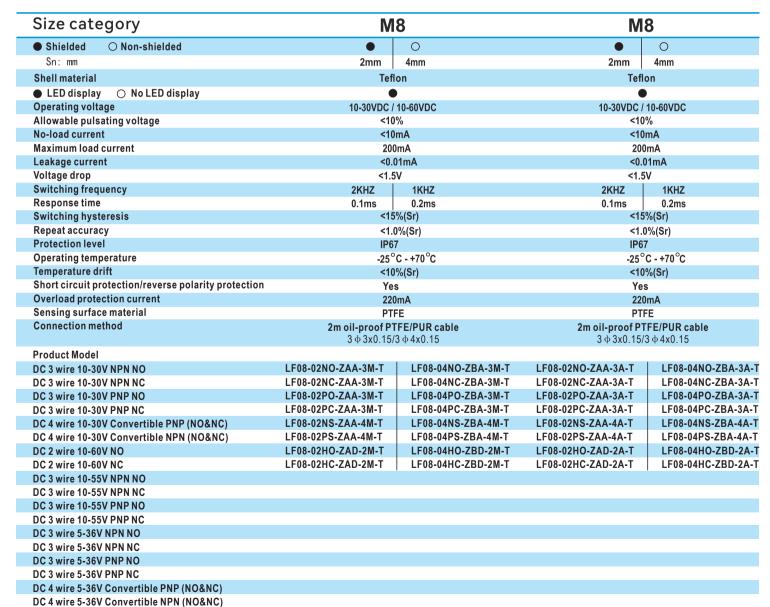


Size category	M 8		M 8		
● Shielded ○ Non-shielded	•	0	•	0	
Sn: mm	1mm	2mm	1mm	2mm	
Shell material	Tefl	on	Teflon		
■ LED display ○ No LED display			•		
Operating voltage	10-30VDC /	10-60VDC	10-30VDC / 10-60VDC		
Allowable pulsating voltage	<10	%	<10%		
No-load current	<10	mA	<10	<10mA	
Maximum load current	200)mA	200mA		
Leakage current	<0.0)1mA	<0.01mA		
Voltage drop	<1.5	V	<1.5V		
Switching frequency	2KI	łZ	2Kł	2KHZ	
Response time	0.11	ns	0.1	ms	
Switching hysteresis	<15	%(Sr)	<15	%(Sr)	
Repeat accuracy	<1.)%(Sr)	<1.0	0%(Sr)	
Protection level	IP6		IP67		
Operating temperature	-25°	C - +70°C	-25°C - +70°C		
Temperature drift	<10	%(Sr)	<10%(Sr)		
Short circuit protection/reverse polarity protection	Ye	s	Yes		
Overload protection current	220)mA	220mA		
Sensing surface material	PTFE		PTFE		
Connection method	2m oil-proof PT 3 ⊕ 3x		2m oil-proof PT 3 φ 3x0.15/		
Product Model					
DC 3 wire 10-30V NPN NO	LF08-01NO-ZAA-3M-T	LF08-02NO-ZBA-3M-T	LF08-01NO-ZAA-3A-T	LF08-02NO-ZBA-3A-T	
DC 3 wire 10-30V NPN NC	LF08-01NC-ZAA-3M-T	LF08-02NC-ZBA-3M-T	LF08-01NC-ZAA-3A-T	LF08-02NC-ZBA-3A-T	
DC 3 wire 10-30V PNP NO	LF08-01PO-ZAA-3M-T	LF08-02PO-ZBA-3M-T	LF08-01PO-ZAA-3A-T	LF08-02PO-ZBA-3A-T	
DC 3 wire 10-30V PNP NC	LF08-01PC-ZAA-3M-T	LF08-02PC-ZBA-3M-T	LF08-01PC-ZAA-3A-T	LF08-02PC-ZBA-3A-T	
DC 4 wire 10-30V Convertible PNP (NO&NC)	LF08-01NS-ZAA-4M-T	LF08-02NS-ZBA-4M-T	LF08-01NS-ZAA-4A-T	LF08-02NS-ZBA-4A-T	
DC 4 wire 10-30V Convertible NPN (NO&NC)	LF08-01PS-ZAA-4M-T	LF08-02PS-ZBA-4M-T	LF08-01PS-ZAA-4A-T	LF08-02PS-ZBA-4A-T	
DC 2 wire 10-60V NO	LF08-01HO-ZAD-2M-T	LF08-02HO-ZBD-2M-T	LF08-01HO-ZAD-2A-T	LF08-02HO-ZBD-2A-T	
DC 2 wire 10-60V NC	LF08-01HC-ZAD-2M-T	LF08-02HC-ZBD-2M-T	LF08-01HC-ZAD-2A-T	LF08-02HC-ZBD-2A-T	
DC 3 wire 10-55V NPN NO					
DC 3 wire 10-55V NPN NC					
DC 3 wire 10-55V PNP NO					
DC 3 wire 10-55V PNP NC					
DC 3 wire 5-36V NPN NO					
DC 3 wire 5-36V NPN NC					
DC 3 wire 5-36V PNP NO					
DC 3 wire 5-36V PNP NC					
DC 4 wire 5-36V Convertible PNP (NO&NC)					

Weld And Magnetic Immune Series

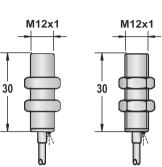


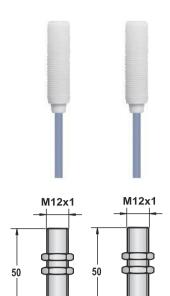




Weld And Magnetic Immune Series



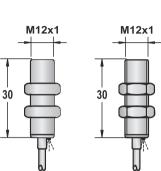


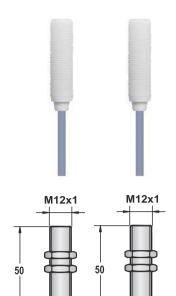


Size category	M12		M12	
Shielded O Non-shielded	•	0	•	0
Sn: mm	2mm	4mm	2mm	4mm
Shell material	Tef	lon	Teflo	on
● LED display ○ No LED display	Telloli		•	
Operating voltage	10-30VDC /	10-60VDC	10-30VDC / 10-60VDC	
Allowable pulsating voltage		<10%		%
No-load current	<10	mA	<10mA	
Maximum load current)mA	200mA	
Leakage current		01mA	<0.01mA	
Voltage drop	<1.5		<1.5V	
Switching frequency	2KHZ	1KHZ	1KHZ	500HZ
Response time	0.1ms	0.2ms	0.1ms	0.5ms
Switching hysteresis		i%(Sr)	<15%(Sr)	
Repeat accuracy		0%(Sr)	<1.0%(Sr)	
Protection level	IP6	` '	IP67	
Operating temperature		°C - +70°C	-25°C - +70°C	
Temperature drift		%(Sr)	<10%(Sr)	
Short circuit protection/reverse polarity protection	Ye		Yes	
Overload protection current	220	OmA	220mA	
Sensing surface material	PT	FE	PTFE	
Connection method	2m oil-proof P	FE/PUR cable	2m oil-proof PTFE/PUR cable	
		3 φ 3x0.15/4 φ 4x0.15		0.15
Product Model				
DC 3 wire 10-30V NPN NO	LF12-02NO-ZAA-3M-T	LF12-04NO-ZBA-3M-T	LF12-02NO-ZAA-3A-T	LF12-04NO-ZBA-3
DC 3 wire 10-30V NPN NC	LF12-02NC-ZAA-3M-T	LF12-04NC-ZBA-3M-T	LF12-02NC-ZAA-3A-T	LF12-04NC-ZBA-3A
DC 3 wire 10-30V PNP NO	LF12-02PO-ZAA-3M-T	LF12-04PO-ZBA-3M-T	LF12-02PO-ZAA-3A-T	LF12-04PO-ZBA-3/
DC 3 wire 10-30V PNP NC	LF12-02PC-ZAA-3M-T	LF12-04PC-ZBA-3M-T	LF12-02PC-ZAA-3A-T	LF12-04PC-ZBA-3/
DC 4 wire 10-30V Convertible PNP (NO&NC)	LF12-02NS-ZAA-4M-T	LF12-04NS-ZBA-4M-T	LF12-02NS-ZAA-4A-T	LF12-04NS-ZBA-4/
DC 4 wire 10-30V Convertible NPN (NO&NC)	LF12-02PS-ZAA-4M-T	LF12-04PS-ZBA-4M-T	LF12-02PS-ZAA-4A-T	LF12-04PS-ZBA-4/
DC 2 wire 10-60V NO	LF12-02HO-ZAD-2M-T	LF12-04HO-ZBD-2M-T	LF12-02HO-ZAD-2A-T	LF12-04HO-ZBD-2
DC 2 wire 10-60V NC	LF12-02HC-ZAD-2M-T	LF12-04HC-ZBD-2M-T	LF12-02HC-ZAD-2A-T	LF12-04HC-ZBD-2
DC 3 wire 10-55V NPN NO				
DC 3 wire 10-55V NPN NC				
DC 3 wire 10-55V PNP NO				
DC 3 wire 10-55V PNP NC				
DC 3 wire 5-36V NPN NO				
DC 3 wire 5-36V NPN NC				
DC 3 wire 5-36V PNP NO				
DC 3 wire 5-36V PNP NC				
DC 4 wire 5-36V Convertible PNP (NO&NC)				
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Weld And Magnetic Immune Series

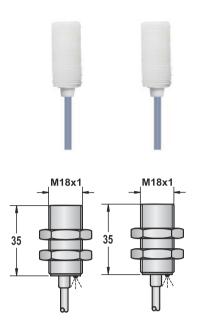


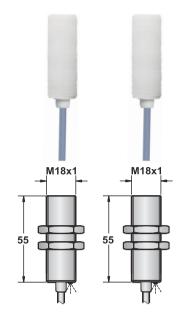




Size category	M12		M12	
● Shielded ○ Non-shielded	•	0	•	0
Sn: mm	4mm	8 mm	4mm	8 mm
Shell material	Teflon		Teflon	
● LED display ○ No LED display			•	
Operating voltage	10-30VDC /	10-60VDC	10-30VDC / 10-60VDC	
Allowable pulsating voltage	<10		<10%	
No-load current	<10	mA	<10mA	
Maximum load current)mA	200mA	
Leakage current	<0.0	01mA	<0.01mA	
/oltage drop	<1.5	V	<2.0V	
Switching frequency	1KHZ	500HZ	1KHZ	500HZ
Response time	0.1ms	0.5ms	0.1ms	0.5ms
witching hysteresis	<15	%(Sr)	<15	%(Sr)
Repeat accuracy	<1.0)%(Sr)	<1.0)%(Sr)
Protection level	IP6	7	IP6	7
Operating temperature	-25°	C - +70°C	-25°C - +70°C	
emperature drift	<10	%(Sr)	<10%(Sr)	
hort circuit protection/reverse polarity protection	Ye	S	Yes	
Overload protection current	220)mA	220mA	
ensing surface material	PTI	FE	PTFE	
Connection method	2m oil-proof P7		2m oil-proof PT	
Ann der of Min del	4 φ 3x0.15/	4 Φ 4x0.15	4. 0 φ 3x0.34/	4. 0 Ф 4x0.25
Product Model	1 F42 04NO 744 2M T	1 F42 00NO 7DA 2M T	1 F42 04NO 744 24 T	1 F42 00NO 7DA 2A T
OC 3 wire 10-30V NPN NO	LF12-04NO-ZAA-3M-T	LF12-08NO-ZBA-3M-T	LF12-04NO-ZAA-3A-T	LF12-08NO-ZBA-3A-T
OC 3 wire 10-30V NPN NC	LF12-04NC-ZAA-3M-T	LF12-08NC-ZBA-3M-T	LF12-04NC-ZAA-3A-T	LF12-08NC-ZBA-3A-T
OC 3 wire 10-30V PNP NO	LF12-04PO-ZAA-3M-T	LF12-08PO-ZBA-3M-T LF12-08PC-ZBA-3M-T	LF12-04PO-ZAA-3A-T LF12-04PC-ZAA-3A-T	LF12-08PO-ZBA-3A-T LF12-08PC-ZBA-3A-T
OC 3 wire 10-30V PNP NC	LF12-04PC-ZAA-3M-T			
OC 4 wire 10-30V Convertible PNP (NO&NC)	LF12-04NS-ZAA-4M-T LF12-04PS-ZAA-4M-T	LF12-08NS-ZBA-4M-T LF12-08PS-ZBA-4M-T	LF12-04NS-ZAA-4A-T LF12-04PS-ZAA-4A-T	LF12-08NS-ZBA-4A-T LF12-08PS-ZBA-4A-T
OC 4 wire 10-30V Convertible NPN (NO&NC)	LF12-04HO-ZAD-2M-T	LF12-08HO-ZBD-2M-T	LF12-04HO-ZAD-2A-T	LF12-08HO-ZBD-2A-T
OC 2 wire 10-60V NO OC 2 wire 10-60V NC	LF12-04HC-ZAD-2M-T	LF12-08HC-ZBD-2M-T	LF12-04HC-ZAD-2A-T	LF12-08HC-ZBD-2A-T
DC 3 wire 10-55V NPN NO	LF 12-04HC-ZAD-ZW-1	LF12-00HC-ZBD-ZW-1	LF 12-04HC-ZAD-ZA-1	LF12-00HC-ZBD-ZA-1
DC 3 wire 10-55V NPN NC				
DC 3 wire 10-55V PNP NO				
DC 3 wire 10-35V PNP NC				
DC 3 wire 5-36V NPN NO				
DC 3 wire 5-36V NPN NC				
DC 3 wire 5-36V PNP NO				
DC 3 wire 5-36V PNP NC				
DC 4 wire 5-36V Convertible PNP (NO&NC)				
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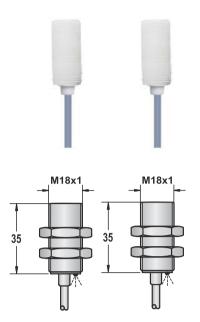
Weld And Magnetic Immune Series

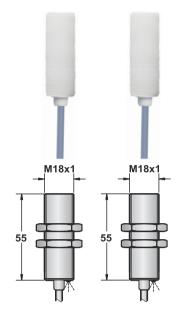




Size category	M1	8	M1	8
● Shielded ○ Non-shielded	•	0	•	0
Sn: mm	5 mm	8 mm	5 mm	8 mm
Shell material	Tefl	on	Teflo	n
■ LED display ○ No LED display			•	
Operating voltage	10-30VDC /	10-60VDC	10-30VDC / 10-60VDC	
Allowable pulsating voltage	<10'		<109	
No-load current	<10	mA	<10mA	
Maximum load current	200	mA	200mA	
Leakage current	<0.0	1mA	<0.01mA	
Voltage drop	<2.0	V	<2.0V	
Switching frequency	800HZ	500HZ	800HZ	500HZ
Response time	0.2ms	0.5ms	0.2ms	0.5ms
Switching hysteresis	<15	%(Sr)	<159	%(Sr)
Repeat accuracy	<1.0)%(Sr)	<1.0%(Sr)	
Protection level	IP67		IP67	
Operating temperature	-25°C - +70°C		-25°C - +70°C	
Temperature drift	<10'	%(Sr)	<10%(Sr)	
Short circuit protection/reverse polarity protection	Yes	;	Yes	
Overload protection current	220	mA	220mA	
Sensing surface material	PTF	E	PTFE	
Connection method	2m oil-proof PT 5. 0 φ 3x0.34/9		2m oil-proof PTFE/PUR cable 5. 0 φ 3x0.34/5. 0 φ 4x0.25	
Product Model	0. 0 9 0x0.04/	5. 0 ¥ 4x0.20	0. 0 \$ 0x0.0470	. 0 4 1 0.20
DC 3 wire 10-30V NPN NO	LF18-05NO-ZAA-3M-T	LF18-08NO-ZBA-3M-T	LF18-05NO-ZAA-3A-T	LF18-08NO-ZBA-3A
DC 3 wire 10-30V NPN NC	LF18-05NC-ZAA-3M-T	LF18-08NC-ZBA-3M-T	LF18-05NC-ZAA-3A-T	LF18-08NC-ZBA-3A
DC 3 wire 10-30V PNP NO	LF18-05PO-ZAA-3M-T	LF18-08PO-ZBA-3M-T	LF18-05PO-ZAA-3A-T	LF18-08PO-ZBA-3/
DC 3 wire 10-30V PNP NC	LF18-05PC-ZAA-3M-T	LF18-08PC-ZBA-3M-T	LF18-05PC-ZAA-3A-T	LF18-08PC-ZBA-3/
DC 4 wire 10-30V Convertible PNP (NO&NC)	LF18-05NS-ZAA-4M-T	LF18-08NS-ZBA-4M-T	LF18-05NS-ZAA-4A-T	LF18-08NS-ZBA-4/
DC 4 wire 10-30V Convertible NPN (NO&NC)	LF18-05PS-ZAA-4M-T	LF18-08PS-ZBA-4M-T	LF18-05PS-ZAA-4A-T	LF18-08PS-ZBA-4/
DC 2 wire 10-60V NO	LF18-05HO-ZAD-2M-T	LF18-08HO-ZBD-2M-T	LF18-05HO-ZAD-2A-T	LF18-08HO-ZBD-2/
DC 2 wire 10-60V NC	LF18-05HC-ZAD-2M-T	LF18-08HC-ZBD-2M-T	LF18-05HC-ZAD-2A-T	LF18-08HC-ZBD-2/
DC 3 wire 10-55V NPN NO				
DC 3 wire 10-55V NPN NC				
DC 3 wire 10-55V PNP NO				
DC 3 wire 10-55V PNP NC				
DC 3 wire 5-36V NPN NO				
DC 3 wire 5-36V NPN NC				
DC 3 wire 5-36V PNP NO				
DC 3 wire 5-36V PNP NC				
DC 4 wire 5-36V Convertible PNP (NO&NC)				
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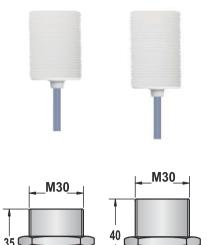
Weld And Magnetic Immune Series

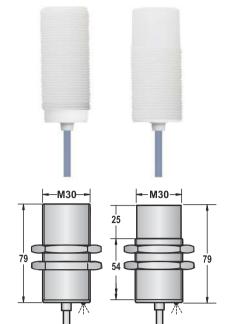




Size category	M18		M18	
● Shielded ○ Non-shielded	•	0	•	0
Sn: mm	8 mm	16 mm	8 mm	16 mm
Shell material	Tef	lon	Teflo	on
■ LED display ○ No LED display	Tollon		•	
Operating voltage	10-30VDC /	10-60VDC	10-30VDC / 10-60VDC	
Allowable pulsating voltage	<10		<10%	
No-load current	<10	0mA	<10mA	
Maximum load current	200)mA	200mA	
Leakage current	<0.	01mA	<0.01mA	
Voltage drop	<2.	OV .	<2.0V	
Switching frequency	500HZ	150HZ	1KHZ	500HZ
Response time	0.5ms	1ms	0.2ms	0.5ms
Switching hysteresis	<15	5%(Sr)	<15	%(Sr)
Repeat accuracy	<1.	0%(Sr)	<1.0%(Sr)	
Protection level	IP6		IP67	
Operating temperature	-25°	°C - +70°C	-25°C - +70°C	
Temperature drift	<10	%(Sr)	<10%(Sr)	
Short circuit protection/reverse polarity protection	Ye	s	Yes	
Overload protection current	220	OmA	220mA	
Sensing surface material	PT	FE	PTFE	
Connection method	2m oil-proof PTFE/PUR cable 5. 0		2m oil-proof PTFE/PUR cable 5. 0 \$\phi\$ 3x0.34/5. 0 \$\phi\$ 4x0.25	
Product Model				
DC 3 wire 10-30V NPN NO	LF18-08NO-ZAA-3M-T	LF18-16NO-ZBA-3M-T	LF18-08NO-ZAA-3A-T	LF18-16NO-ZBA-3A
DC 3 wire 10-30V NPN NC	LF18-08NC-ZAA-3M-T	LF18-16NC-ZBA-3M-T	LF18-08NC-ZAA-3A-T	LF18-16NC-ZBA-3A
DC 3 wire 10-30V PNP NO	LF18-08PO-ZAA-3M-T	LF18-16PO-ZBA-3M-T	LF18-08PO-ZAA-3A-T	LF18-16PO-ZBA-3A
DC 3 wire 10-30V PNP NC	LF18-08PC-ZAA-3M-T	LF18-16PC-ZBA-3M-T	LF18-08PC-ZAA-3A-T	LF18-16PC-ZBA-3A
DC 4 wire 10-30V Convertible PNP (NO&NC)	LF18-08NS-ZAA-4M-T	LF18-16NS-ZBA-4M-T	LF18-08NS-ZAA-4A-T	LF18-16NS-ZBA-4A
DC 4 wire 10-30V Convertible NPN (NO&NC)	LF18-08PS-ZAA-4M-T	LF18-16PS-ZBA-4M-T	LF18-08PS-ZAA-4A-T	LF18-16PS-ZBA-4A
DC 2 wire 10-60V NO	LF18-08HO-ZAD-2M-T	LF18-16HO-ZBD-2M-T	LF18-08HO-ZAD-2A-T	LF18-16HO-ZBD-2A
DC 2 wire 10-60V NC	LF18-08HC-ZAD-2M-T	LF18-16HC-ZBD-2M-T	LF18-08HC-ZAD-2A-T	LF18-16HC-ZBD-2A
DC 3 wire 10-55V NPN NO				
DC 3 wire 10-55V NPN NC				
DC 3 wire 10-55V PNP NO				
DC 3 wire 10-55V PNP NC				
DC 3 wire 5-36V NPN NO				
DC 3 wire 5-36V NPN NC				
DC 3 wire 5-36V PNP NO				
DC 3 wire 5-36V PNP NC				
DC 4 wire 5-36V Convertible PNP (NO&NC)				

Weld And Magnetic Immune Series

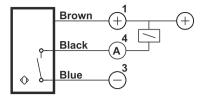




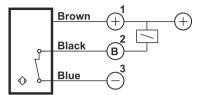
Size category	M3	M30		M30	
Shielded O Non-shielded	•	0	•	0	
Sn: mm	10 mm	15 mm	10 mm	15 mm	
Shell material	Te	lon	Tefl	on	
■ LED display ○ No LED display		10.1011		•	
Operating voltage	10-30VDC	/ 10-60VDC	10-30VDC / 10-60VDC		
Allowable pulsating voltage		0%	<10%		
No-load current	<1	0mA	<10mA		
Maximum load current	20	0mA	200mA		
Leakage current	<0	.01mA	<0.01mA		
Voltage drop	<2	0V	<2.0V		
Switching frequency	300HZ	150HZ	300HZ	150HZ	
Response time	0.5ms	1ms	0.5ms	1ms	
Switching hysteresis		5%(Sr)	<15%(Sr)		
Repeat accuracy		.0%(Sr)	<1.0%(Sr)		
Protection level	IP6		IP67		
Operating temperature	-25	°C - +70°C	-25°C - +70°C		
Temperature drift	<1	<10%(Sr)		<10%(Sr)	
Short circuit protection/reverse polarity protectio			Yes		
Overload protection current	22	0mA	220mA		
Sensing surface material	Pī	PTFE		PTFE	
Connection method	2m oil-proof P	TFE/PUR cable	2m oil-proof PTFE/PUR cable		
	5. 0 ф 3x0.34	/5. 0	5. 0 φ 3x0.34/5. 0 φ 4x0.25		
Product Model					
DC 3 wire 10-30V NPN NO	LF30-10NO-ZAA-3M-T	LF30-15NO-ZBA-3M-T	LF30-10NO-ZAA-3A-T	LF30-15NO-ZBA	
DC 3 wire 10-30V NPN NC	LF30-10NC-ZAA-3M-T	LF30-15NC-ZBA-3M-T	LF30-10NC-ZAA-3A-T	LF30-15NC-ZBA-	
DC 3 wire 10-30V PNP NO	LF30-10PO-ZAA-3M-T	LF30-15PO-ZBA-3M-T	LF30-10PO-ZAA-3A-T	LF30-15PO-ZBA-	
DC 3 wire 10-30V PNP NC	LF30-10PC-ZAA-3M-T	LF30-15PC-ZBA-3M-T	LF30-10PC-ZAA-3A-T	LF30-15PC-ZBA-	
DC 4 wire 10-30V Convertible PNP (NO&NC)	LF30-10NS-ZAA-4M-T	LF30-15NS-ZBA-4M-T	LF30-10NS-ZAA-4A-T	LF30-15NS-ZBA-	
DC 4 wire 10-30V Convertible NPN (NO&NC)	LF30-10PS-ZAA-4M-T	LF30-15PS-ZBA-4M-T	LF30-10PS-ZAA-4A-T	LF30-15PS-ZBA-	
OC 2 wire 10-60V NO	LF30-10HO-ZAD-2M-T	LF30-15HO-ZBD-2M-T	LF30-10HO-ZAD-2A-T	LF30-15HO-ZBD-	
OC 2 wire 10-60V NC	LF30-10HC-ZAD-2M-T	LF30-15HC-ZBD-2M-T	LF30-10HC-ZAD-2A-T	LF30-15HC-ZBD-	
DC 3 wire 10-55V NPN NO					
DC 3 wire 10-55V NPN NC					
DC 3 wire 10-55V PNP NO					
DC 3 wire 10-55V PNP NC					
DC 3 wire 5-36V NPN NO					
DC 3 wire 5-36V NPN NC					
DC 3 wire 5-36V PNP NO					
DC 3 wire 5-36V PNP NC					
DC 4 wire 5-36V Convertible PNP (NO&NC)					

Wiring Diagram

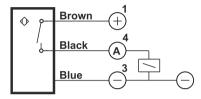
DC NPN NO



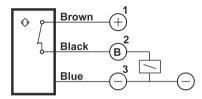
DC NPN NC



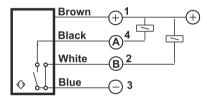
DC PNP NO



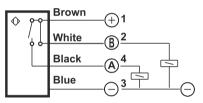
DC PNP NC



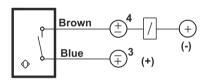
DC NPN NO&NC



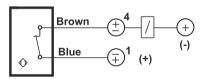
DC PNP NO&NC



DC 2 wire NO

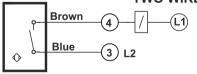


DC 2 wire NC



Plastic housing





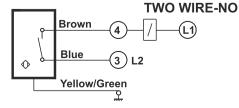
Plastic housing

Brown

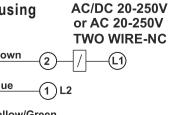
Blue

AC/DC 20-250V or AC 20-250V **TWO WIRE-NC** 1)L2

Metal housing AC/DC 20-250V or AC 20-250V



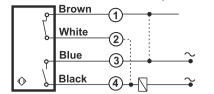
Metal housing



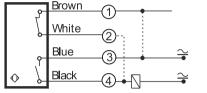
Brown Blue Yellow/Green

Wiring Diagram

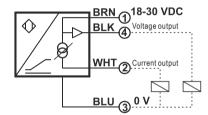
Plastic housing AC 20-250V NO,NC Changeable



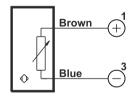
Plastic housing AC 20-250V NO,NC Changeable



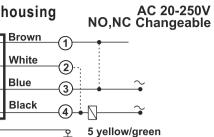
Analog (current + voltage output type)



Riot-proof DC 6-12V

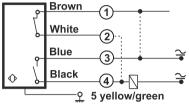


Metal housing

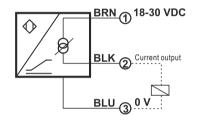


Metal housing

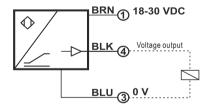
AC 20-250V NO,NC Changeable



Analog (current output type)



Analog (voltage output type)



Connector Diagram

