

## Cable Type

## Standard distance-DLR series

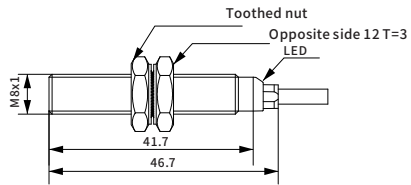


Model						
NPN normally open	DLR-F08-1.5[NO]	DLR-F12-02[NO]	DLR-F18-05[NO]	DLR-N08-02[NO]	DLR-N12-04[NO]	DLR-N18-08[NO]
Other	[NO]:NPN Normally Open		[NC]:NPN Normally Closed	[PO]:PNP Normally Open	[PC]:PNP Normally Closed	
Basic Features						
Working principle	Inductive Sensors					
Enclosure style	Cylindrical					
Installation	Flush			Non- flush		
Detection distance	1.5mm±10%	2.0mm±10%	5.0mm±10%	2.0mm±10%	4.0mm±10%	8.0mm±10%
Thread specification	M8	M12	M18	M8	M12	M18
Sensing surface material	PBT					
Detection	Metal sensor					
Light	Operating status: LED					
Detection distance adjustment	None					
Electrical Data						
Switch mode	NO: Normally Open, NC: Normally Closed					
Output mode	NPN or PNP open collector					
External input	None					
Switching frequency	1.5kHz	1.0kHz		1.0kHz	0.8kHz	0.5kHz
Repeatability	1%			5%		1%
Hysteresis (Return/Response)	≤15%					
Operating voltage	10~30V D C ± 10%					
Current consumption	≤10mA					≤20mA
Residual voltage	≤2.0V					
Load current	150mA					
Leakage Current	<0.01mA					
Insulation resistance	Between power terminal and housing ≥50MΩ (500VDC)					
Resistance	1000VAC (50/60Hz), 1 minute between power terminals and case					
Vibration resistance	10~55Hz, amplitude 1.5mm, X/Y/Z axis, 2 hours each					
Protection circuits	Short-circuit protection					
Environmental Conditions						
Operating ambient temperature	-25~+75°C					
Humidity of the working environment	35~85%					
Ingress protection	IP67					
Mechanical Data						
Connection	2m/3-wire cable					
Size	M8x46.7mm	M12x49.7mm	M18x63.0mm	M8x50.7mm	M12x54.6mm	M18x63.1mm
Material	Stainless steel + PBT	Nickel copper alloy + PBT		Stainless steel + PBT	Nickel copper alloy + PBT	
Weight	0.012kg	0.05kg	0.08kg	0.012kg	0.05kg	0.08kg
Fittings	Nut M8x1	Nut M12x1	Nut M18x1	Nut M8x1	Nut M12x1	Nut M18x1

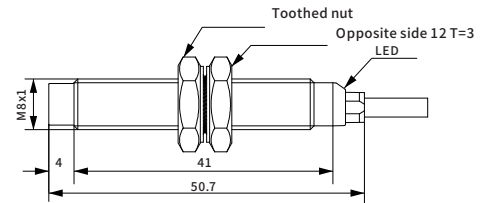
## Cable type size specifications

M8

DLR-F08-1.5 □□

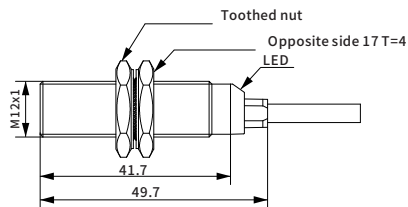


DLR-N08-02 □□

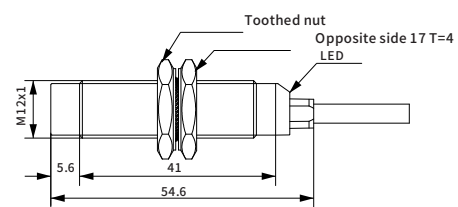


M12

DLR-F12-02 □□

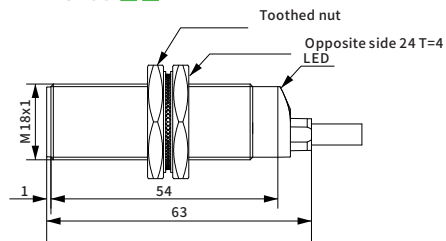


DLR-N12-04 □□



M18

DLR-F18-05 □□



DLR-N18-08 □□

