

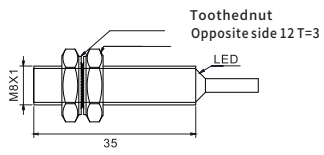
Universal short housing
Short Shell-DLS Series


Model		
NPN normally open	DLS-F08-02 ^[NO]	DLS-F12-04 ^[NO]
Other	^[NO] :NPN Normally Open ^[NC] :NPN Normally Closed	^[NO] :PNP Normally Open ^[NC] :PNP Normally Closed
Basic Features		
Working principle	Inductive Sensors	
Enclosure style	Cylindrical	
Installation	Flush	
Detection distance	1.0mm/2.0mm±10%	2.0mm/4.0mm±10%
Thread specification	M8	M12
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	2kHz	2kHz/1kHz
Repeatability	1%	
Hysteresis (Return/Response)	15%	
Operating voltage	10~30V D C ±10%	
Current consumption	≤10mA	
Residual voltage	≤1.5V	
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	M8x35.0mm	M12x35.0mm
Material	Stainless steel + PBT	Nickel copper alloy + PBT
Weight	0.012kg	0.05kg
Fittings	Nut M8x1.0	Nut M12x1.0

Universal short shell dimensions

M8

DLS-F08-02 □□



M12

DLS-F12-04 □□

