

Ultra short housing

Short Shell-DLSS Series

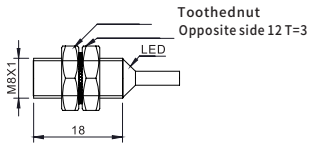


Model		
NPN normally open	DLSS-F08-02 [NO]	DLSS-F12-04 [NO]
Other	[NO] :NPN Normally Open [NC] :NPN Normally Closed	[PO] :PNP Normally Open [PC] :PNP Normally Closed
Basic Features		
Working principle	Inductive Sensors	
Enclosure style	Cylindrical	
Installation	Flush	
Detection distance	1.0mm/2.0mm±10%	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	
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, except DLSS-F08-02 [NO]	
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	M8x18.0mm	M12x22.0mm
Material	Stainless steel + PBT	Nickel copper alloy + PBT
Weight	0.012kg	0.05kg
Fittings	Nut M8x1.0	Nut M12x1.0

Ultra-short shell dimensions

M8

DLSS-F08-02 □□



M12

DLSS-F12-04 □□

