

## Resin shell

## Cylindrical-DCK series

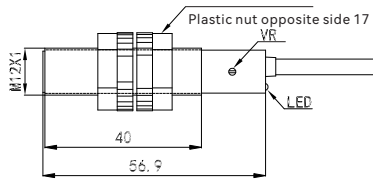


Model		
NPN normally open	DCK-F12-03 <b>NO</b>	DCK-F18-08 <b>NO</b>
Other	<b>NO</b> :NPN Normally Open <b>NC</b> :NPN Normally Closed	<b>PO</b> :PNP Normally Open <b>PC</b> :PNP Normally Closed
Basic Features		
Working principle	Inductive Sensors	
Enclosure style	Cylindrical	
Installation	Flush	
Detection distance	3.0mm	8.0mm
Thread specification	M12	M18
Sensing surface material	PBT	
Detection	Metal, liquid, powder, wood, paper, plastic and other materials	
Light	Operating status: LED	
Detection distance adjustment	Have	
Electrical Data		
Switch mode	NO: Normally Open, NC: Normally Closed	
Output mode	NPN or PNP open collector	
External Input	None	
Switching frequency	0.1kHz	
Repeatability	5%	
Hysteresis (Return/Response)	15%	
Operating voltage	10~30V DC±10%	
Current consumption	≤10mA	
Residual voltage	≤2V	
Load current	150mA	300mA
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	M12x56.9mm	M18x72.5mm
Material	PBT	
Weight	0.05kg	0.08kg
Fittings	Nut M12x1.0	Nut M18x1.0

Dimensions

M12

DCK-F12-03□□



M18

DCK-F18-08□□

