

电缆式 Cable Type

 超小型-DLX系列
Ultra-small-DLX series


型号 Model	
NPN常开 NPN normally open	DLX-F05-1.5 \square
其他 Other	\square NO: NPN 常开 \square NC: NPN 常闭 \square PO: PNP 常开 \square PC: PNP 常闭 \square NO: NPN Normally Open \square NC: NPN Normally Closed \square PO: PNP Normally Open \square PC: PNP Normally Closed
基本特点 Basic Features	
工作原理 Working principle	电感式传感器 Inductive Sensors
外壳样式 Enclosure style	圆柱形 Cylindrical
安装方式 Installation	齐平 Flush
检测距离 Detection distance	0.8mm/1.0mm/1.2mm/1.5mm \pm 10%
螺纹规格 Thread specification	M5
感应面材质 Sensing surface material	PA66
检测物 Detection	金属感应物 Metal sensor
指示灯 Light	运行状态: LED Operating status: LED
检测距离调节 Detection distance adjustment	无 None
电气数据 Electrical Data	
开关模式 Switch mode	NO: 常开, NC: 常闭 NO: Normally Open, NC: Normally Closed
输出模式 Output mode	NPN或PNP集电极开路 NPN or PNP open collector
外部输入 External input	无 None
开关频率 Switching frequency	2kHz
重复精度 Repeatability	5%
迟滞 (回差/应差) Hysteresis (Return/Response)	15%
工作电压 Operating voltage	10~30V DC \pm 10%
消耗电流 Current consumption	\leq 10mA
残余电压 Residual voltage	\leq 1.5V
负载电流 Load current	100mA
漏电流 Leakage Current	<0.01mA
绝缘电阻 Insulation resistance	电源端子与外壳之间 \geq 50M Ω (500VDC) Between power terminal and housing \geq 50M Ω (500VDC)
耐压 Resistance	1000VAC (50/60Hz), 1分钟电源端子和外壳之间 1000VAC (50/60Hz), 1 minute between power terminals and case
抗振性 Vibration resistance	10~55Hz, 振幅1.5mm, X/Y/Z轴, 各2小时 10~55Hz, amplitude 1.5mm, X/Y/Z axis, 2 hours each
保护电路 Protection circuits	/
环境条件 Environmental Conditions	
工作环境温度 Operating ambient temperature	-25~+75 $^{\circ}$ C
工作环境湿度 Humidity of the working environment	35~85%
防护等级 Ingress protection	IP67
机械数据 Mechanical Data	
连接方式 Connection	2m/3线电缆 2m/3-wire cable
尺寸 Size	M5x25.0mm
材料 Material	不锈钢+PA66 Stainless steel + PA66
重量 Weight	0.007kg
配件 Fittings	螺母 M5x0.5 Nut M5x0.5

电缆式尺寸规格 Cable type size specifications

M5

DLX-F05-0.8/01/1.2/1.5□□

