

## 通用短外壳 Universal short housing

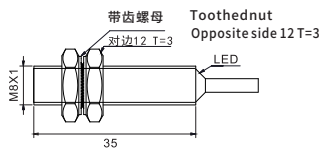
 短外壳-DLS系列  
Short Shell-DLS Series


| 型号 Model                                   |  | DLS-F08-02   |                                       | DLS-F12-04                          |                                       |
|--|--|--|---------------------------------------|-------------------------------------|---------------------------------------|
| NPN常开 NPN normally open                    |  | DLS-F08-02   |                                       | DLS-F12-04                          |                                       |
| 其他 Other                                   |  | NO: NPN 常开<br>NO: NPN Normally Open  | NC: NPN 常闭<br>NC: NPN Normally Closed | PO: PNP 常开<br>PO: PNP Normally Open | PC: PNP 常闭<br>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                    |  | 1.0mm/2.0mm±0%   |                                       | 2.0mm/4.0mm±0%                      |                                       |
| 螺纹规格 Thread specification                  |  | M8   |                                       | M12                                 |                                       |
| 感应面材质 Sensing surface material             |  | PBT  |                                       |                                     |                                       |
| 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   |                                       | 2kHz/1kHz                           |                                       |
| 重复精度 Repeatability                         |  | 1%   |                                       |                                     |                                       |
| 迟滞 (回差/应差) Hysteresis (Return/Response)    |  | 15%  |                                       |                                     |                                       |
| 工作电压 Operating voltage                     |  | 10~30VDC±10%   |                                       |                                     |                                       |
| 消耗电流 Current consumption                   |  | ≤10mA  |                                       |                                     |                                       |
| 残余电压 Residual voltage                      |  | ≤1.5V  |                                       |                                     |                                       |
| 负载电流 Load current                          |  | 150mA  |                                       |                                     |                                       |
| 漏电流 Leakage Current                        |  | <0.01mA  |                                       |                                     |                                       |
| 绝缘电阻 Insulation resistance                 |  | 电源端子与外壳之间 ≥0MΩ (500VDC) Between power terminal and housing ≥0MΩ (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                   |  | 短路保护 Short-circuit protection  |                                       |                                     |                                       |
| 环境条件 Environmental Conditions              |  |  |                                       |                                     |                                       |
| 工作环境温度 Operating ambient temperature       |  | -25~+75°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                                    |  | M8x35.0mm  |                                       | M12x35.0mm                          |                                       |
| 材料 Material                                |  | 不锈钢+PBT Stainless steel + PBT  |                                       | 镍铜合金+PBT Nickel copper alloy + PBT  |                                       |
| 重量 Weight                                  |  | 0.012kg  |                                       | 0.05kg                              |                                       |
| 配件 Fittings                                |  | 螺母 M8x1.0 Nut M8x1.0   |                                       | 螺母 M12x1.0 Nut M12x1.0              |                                       |

## 通用短外壳尺寸规格 Universal short shell dimensions

M8

DLS-F08-02 □□



M12

DLS-F12-04 □□

