

DELE系列 DELE Series

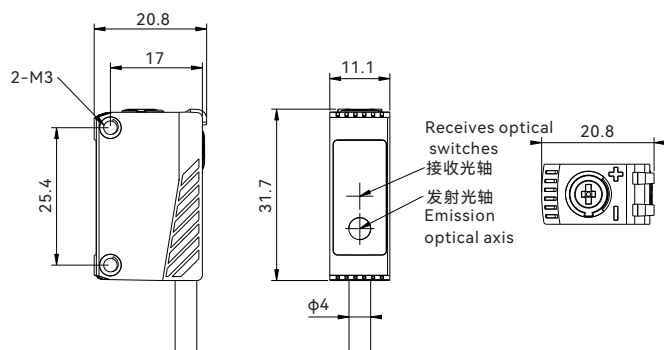


型号 Model	
NPN	DELE-B35N
PNP	DELE-B35P
基本特点 Basic Features	
工作原理 Working principle	光电传感器 Photoelectric Sensors
外壳样式 Enclosure style	方型 Square
光学工作原理 How optics work	背景抑制型漫反射 Background suppression diffuse reflection
检测距离 Detection distance	20~350mmmm
光斑尺寸 Spot size	Ø3.5mm/350m
检测物 Detection	Ø0.5mm
光源 Light source	红色激光, 650nm (调制) Class 2 Red laser, 650nm (modulated) Class 2
指示灯 Light	输出指示灯: 红色, 运行状态: 绿色 Output function: red, operating status: green
灵敏性调节 Sensitivity regulation	6 圈电位器 6-turn potentiometer
电气数据 Electrical Data	
开关模式 Switch mode	Light.on (入光动作) / D.on (遮光动作) 可切换 Light.on (Light Action) / D.on (shading action) Switchable
输出模式 Output mode	NPN或PNP集电极开路 NPN or PNP open collector
响应时间 Response time	≤1.2ms
开关频率 Switching frequency	1kHz
重复精度 Repeatability	≤5%
迟滞 (回差/应差) Hysteresis (Return/Response)	≤5%
工作电压 Operating voltage	12~24V DC±10%
消耗电流 Current consumption	≤20mA
残余电压 Residual voltage	≤1.5V
负载电流 Load current	≤100mA
绝缘电阻 Insulation resistance	20MΩ (500VDC)
耐压 Resistance	1000VAC (50/60Hz)
保护电路 Protection circuits	电源反极性保护/短路保护 Power supply reverse polarity protection/short circuit protection
环境条件 Environmental Conditions	
工作环境温度 Operating ambient temperature	-10~55°C (无冻结) -10~55°C (no freezing)
储存温度 Storage temperature	-30~70°C (不结冰) -30~70°C (non-icing)
工作环境湿度 Humidity of the working environment	35~85%RH (无凝露) 35~85%RH (no condensation)
储存湿度 Store humidity	35~95%RH (无凝露) 35~95%RH (no condensation)
环境照度 Ambient illumination	白炽灯≤1000 Lux; LED灯≤600 Lux; 太阳光- /≤20000 Lux Incandescent lamp ≤ 1000 Lux; LED lamp ≤ 600 Lux; Sunlight ≤ 20000 Lux
抗振性 Anti-vibration	10~50Hz, 1.5mm 振幅, X、Y、Z 三个方向各2h 10~55Hz sweep, 1.5mm amplitude, XYZ 3 directions for 2 hours each
防护等级 Ingress protection	IP65
机械数据 Mechanical Data	
最大拧紧扭矩 Maximum tightening torque	≤0.5Nm
连接方式 Connection	2m/4芯电缆 2m/4 core cable
尺寸 (宽x高x深) Size	11.0x31.0x20.0mm
材料 Material	PBT+玻纤(壳体) ;PMMA(镜头) PBT+glass fiber (shell); PMMA (Lens)
重量 Weight	约68g About 68g
配件 Fittings	支架、螺丝 Brackets, screws

DELE系列 DPSE Series

尺寸规格 Dimensions

DELE-B35


单位: mm
Unit: mm

接线示意图 Wiring Diagram

DELE-B35

