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经济型、能与国内各相同品种直接替换

- 电源反接保护、短路保护，可直接与PLC相联接
- 普通场合使用，耐环境性能中等
- 红色LED显示可以检测传感器工作状态
- 经济并且简单的操作
- 应用广泛，可替换小型开关和限位开关
- IP65防护结构(IEC规格)

▲使用前请先阅读产品说明书的“注意事项”

■ Economy type, can be the direct substitution of the same types in China.

- Power supply reversal connection protection; short-circuit protection, can directly connect with PLC
- Super-mini type $\Phi 4/M5$ D.C., M8 A.C. has been trial-produced and promoted
- Used in common places with medium environment resistance
- Red LED indicates that it's available to detect the sensor operating state
- Economic and simple operation
- Widely used, can be the substitution of min-type switch and limiting switch
- IP67 protection structure (IEC specification)
- ▲ Read the "Matters needing attention" of the Product Instruction before use



型号规格 Type and Specification

尺寸 Dimension		$\Phi 4$ (LJ4)		M5 (LJ5)		$\Phi 6$ (LJ6)		M8 (LJ8)		M10 (LJ10)		
安装方式 Mounting way		屏蔽式 Screen shield type		屏蔽式 Screen shield type		屏蔽式 Screen shield type		非屏蔽式 Non-screen shield type		屏蔽式 Screen shield type		
型号 Type	直流型 DC type	N	NO	LJ4A3-1-Z/BX	LJ5A3-1-Z/BX	LJ6A3-1-Z/BX	LJ6A3-2-Z/BX	LJ8A3-1-Z/BX	LJ8A3-2-Z/BX	LJ10A3-2-Z/BX	LJ10A3-3-Z/BX	
			NC	LJ4A3-1-Z/AX	LJ5A3-1-Z/AX	LJ6A3-1-Z/AX	LJ6A3-2-Z/AX	LJ8A3-1-Z/AX	LJ8A3-2-Z/AX	LJ10A3-2-Z/AX	LJ10A3-3-Z/AX	
			NO+NC									
		P	NO	LJ4A3-1-Z/BY	LJ5A3-1-Z/BY	LJ6A3-1-Z/BY	LJ6A3-2-Z/BY	LJ8A3-1-Z/BY	LJ8A3-2-Z/BY	LJ10A3-2-Z/BY	LJ10A3-3-Z/BY	
			NC	LJ4A3-1-Z/AY	LJ5A3-1-Z/AY	LJ6A3-1-Z/AY	LJ6A3-2-Z/AY	LJ8A3-1-Z/AY	LJ8A3-2-Z/AY	LJ10A3-2-Z/AY	LJ10A3-3-Z/AY	
			NO+NC									
	交流型 AC type	二 线	NO			LJ6A3-1-Z/EX	LJ6A3-2-Z/EX	LJ8A3-1-Z/EX	LJ8A3-2-Z/EX	LJ10A3-2-Z/EX	LJ10A3-3-Z/EX	
			NC			LJ6A3-1-Z/DX	LJ6A3-2-Z/DX	LJ8A3-1-Z/DX	LJ8A3-2-Z/DX	LJ10A3-2-Z/DX	LJ10A3-3-Z/DX	
		二 线	NO			LJ6A3-1-J/EZ	LJ6A3-2-J/EZ	LJ8A3-1-J/EZ	LJ8A3-2-J/EZ	LJ10A3-2-J/EZ	LJ10A3-3-J/EZ	
			NC			LJ6A3-1-J/DZ	LJ6A3-2-J/DZ	LJ8A3-1-J/DZ	LJ8A3-2-J/DZ	LJ10A3-2-J/DZ	LJ10A3-3-J/DZ	
		三 线	NO+NC									
检测距离 Detection distance		1mm±10%		1mm±10%		1.5mm±10%		2mm±10%		2mm±10%		
设定距离 Set distance		0~0.7mm		0~0.7mm		0~1.2mm		0~1.6mm		0~1.6mm		
标准检测物体 Standard detection object		铁5×5×1mm		铁5×5×1mm		铁8×8×1mm		铁12×12×1mm		铁8×8×1mm		
响应频率 Response frequency		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		
图例 Illustration		图33 Chart 33		图34 Chart 34		图35 Chart 35		图36 Chart 36		图37 Chart 37		

型号规格 Type and Specification

尺寸 Dimension		M12 (LJ12)		M18 (LJ18)		M24 (LJ24)		M30 (LJ30)			
安装方式 Mounting way		屏蔽式 Screen shield type		非屏蔽式 Non-screen shield type		屏蔽式 Screen shield type		非屏蔽式 Non-screen shield type			
型号 Type	直流型 DC type	N	NO	LJ12A3-2-Z/BX	LJ12A3-4-Z/BX	LJ18A3-5-Z/BX	LJ18A3-8-Z/BX	LJ24A3-8-Z/BX	LJ24A3-10-Z/BX	LJ30A3-10-Z/BX	LJ30A3-15-Z/BX
			NC	LJ12A3-2-Z/AX	LJ12A3-4-Z/AX	LJ18A3-5-Z/AX	LJ18A3-8-Z/AX	LJ24A3-8-Z/AX	LJ24A3-10-Z/AX	LJ30A3-10-Z/AX	LJ30A3-15-Z/AX
			NO+NC	LJ12A3-2-Z/CX	LJ12A3-4-Z/CX	LJ18A3-5-Z/CX	LJ18A3-8-Z/CX	LJ24A3-8-Z/CX	LJ24A3-10-Z/CX	LJ30A3-10-Z/CX	LJ30A3-15-Z/CX
		P	NO	LJ12A3-2-Z/BY	LJ12A3-4-Z/BY	LJ18A3-5-Z/BY	LJ18A3-8-Z/BY	LJ24A3-8-Z/BY	LJ24A3-10-Z/BY	LJ30A3-10-Z/BY	LJ30A3-15-Z/BY
			NC	LJ12A3-2-Z/AY	LJ12A3-4-Z/AY	LJ18A3-5-Z/AY	LJ18A3-8-Z/AY	LJ24A3-8-Z/AY	LJ24A3-10-Z/AY	LJ30A3-10-Z/AY	LJ30A3-15-Z/AY
			NO+NC	LJ12A3-2-Z/CY	LJ12A3-4-Z/CY	LJ18A3-5-Z/CY	LJ18A3-8-Z/CY	LJ24A3-8-Z/CY	LJ24A3-10-Z/CY	LJ30A3-10-Z/CY	LJ30A3-15-Z/CY
	交流型 AC type	二 线	NO	LJ12A3-2-Z/EX	LJ12A3-4-Z/EX	LJ18A3-5-Z/EX	LJ18A3-8-Z/EX	LJ24A3-8-Z/EX	LJ24A3-10-Z/EX	LJ30A3-10-Z/EX	LJ30A3-15-Z/EX
			NC	LJ12A3-2-Z/DX	LJ12A3-4-Z/DX	LJ18A3-5-Z/DX	LJ18A3-8-Z/DX	LJ24A3-8-Z/DX	LJ24A3-10-Z/DX	LJ30A3-10-Z/DX	LJ30A3-15-Z/DX
		二 线	NO	LJ12A3-2-J/EZ	LJ12A3-4-J/EZ	LJ18A3-5-J/EZ	LJ18A3-8-J/EZ	LJ24A3-8-J/EZ	LJ24A3-10-J/EZ	LJ30A3-10-J/EZ	LJ30A3-15-J/EZ
			NC	LJ12A3-2-J/DZ	LJ12A3-4-J/DZ	LJ18A3-5-J/DZ	LJ18A3-8-J/DZ	LJ24A3-8-J/DZ	LJ24A3-10-J/DZ	LJ30A3-10-J/DZ	LJ30A3-15-J/DZ
		三 线	NO+NC			LJ18A3-5-J/EDZ	LJ18A3-8-J/EDZ	LJ24A3-8-J/EDZ	LJ24A3-10-J/EDZ	LJ30A3-10-J/EDZ	LJ30A3-15-J/EDZ
检测距离 Detection distance		2mm±10%		4mm±10%		5mm±10%		8mm±10%		10mm±10%	
设定距离 Set distance		0~1.6mm		0~3.6mm		0~4mm		0~7mm		0~8mm	
标准检测物体 Standard detection object		铁12×12×1mm		铁15×15×1mm		铁18×18×1mm		铁30×30×1mm		铁24×24×1mm	
响应频率 Response frequency		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz		DC: 0.5kHz AC: 25Hz	
图例 Illustration		图39 Chart 39		图40 Chart 40		图41 Chart 41		图42 Chart 42		图43 Chart 43	

■ 特性参数

滞后距离: 检测距离的10%以下
 检测物体: 磁性金属(非磁性金属时检测距离减小)
 电源电压: 直流型: DC12~24V(6~36V)脉动(P-P)10%以下,
 交流型: AC110~220V(36~250V)50/60Hz
 消耗电流: N.P型: 13mA以下, D型: 0.8mA以下, A型: 1.7mA以下
 控制输出: N.P型: 300mA以下, D型: 200mA以下, A型: 400mA以下
 回路保护: N.P.D型: 逆连接保护、浪涌吸收、负载短路保护, A型: 浪涌吸收
 环境温、湿度: 动作时、保存时: 各-30~+65℃
 (不结冰、不结露), 动作时、保存时: 各35~95%RH
 绝缘阻抗: 50MΩ以上(DC500兆欧表)充电部分与外壳间
 耐电压: AC1000V 50/60Hz 1min充电部分与外壳间
 温度的影响: 温度范围-30~+65℃, +23℃时、±15%检测距离以内,
 温度范围-25~+60℃, +23℃时、±10%检测距离以内
 电压的影响: 额定电源电压范围±15%以内、额定电源电压值时±10%
 检测距离以内
 保护构造: IP65(IEC规格)
 材质: (外壳: 黄铜镀镍) (检测面: ABS)

■ Characteristic parameter

Delay distance: 10% below of the detection distance
 Detection object: Magnetic metal (the detection distance decreases when it is non-magnetic metal)
 Supply voltage: DC type: DC12~24V(6~36V) Impulse (p-p) 10% below, AC type: AC110~220V
 (36~250V) 50/60Hz
 Consumption current: N.P type: 13mA below, D type: 0.8mA below, A type: 1.7mA below
 Control output: N.P type: 300mA below, D type: 200mA below, A type: 400mA below
 Loop protection: N.P.D type: reversal connection protection, surge absorption, load short-circuit
 protection, A type: surge absorption
 Ambient temperature & humidity: During operation, storage: individually -30~+65℃ (no freeze,
 no dew), During operation, storage: individually 35~95%RH
 Insulation impedance: 50MΩ above (DC500 megameter) between charging part and housing
 Withstand voltage: AC1000V 50/60Hz 1min between charging part and housing
 Temperature influence: Temperature range -30~+65℃, at +23℃, ±15% detection distance;
 temperature range -25~+60℃, at +23℃, ±10% detection distance
 Voltage influence: Inside ±15% rated supply voltage range, at rated supply voltage value,
 inside ±10% detection distance
 Protection structure: IP65 (IEC specification)
 Material: (Housing: Nickel plated brass), (Detection surface: ABS).

■ 外形尺寸(mm) External dimension

