

# DL-S5RPN

## Rating/Performance/Specification

<b>Detection method</b>	Limited range reflective
<b>Detecting distance</b>	10-50mm
<b>Range of distance adjustment with volume</b>	20% less than maximum detecting distance
<b>Power supply</b>	12-24V DC $\pm 10\%$ / Ripple 10% or less
<b>Current consumption</b>	NPN type : 27mA or less / PNP type : 35mA or less
<b>Output mode</b>	Control output : PNP open collector Rating: source current 100 mA (30 VDC) or less. Stability output : Not available
<b>Operation mode</b>	Light ON/Dark ON selectable (with switch)
<b>Response time</b>	0.35ms or less
<b>Hysteresis</b>	5% or less
<b>Light source (light wavelength)</b>	Red LED (700 nm)
<b>Light receiving element</b>	2 segment photodiode
<b>Indicator</b>	Operation indicator: red LED/Stability indicator: green LED
<b>Volume(VR)</b>	Distance adjustment volume
<b>Switch(SW)</b>	Light ON/Dark ON selector switch L.ON: Light ON D.ON: Dark ON
<b>Short circuit protection</b>	Provided (for control output only)
<b>Material</b>	Case and lens: polyarylate
<b>Connection</b>	Cable type (outer dimension: dia. 3.0mm) 0.15 mm <sup>2</sup> 3cores 2 m (black)
<b>Weight</b>	Approx.50 g
<b>Accessories</b>	Mounting bracket , screwdriver for volume adjustment, operation manual

## Environmental Specification

<b>Ambient light</b>	5,000lx or less
<b>Ambient temperature</b>	-25 - +55C (non-freezing)
<b>Ambient humidity</b>	35-85%RH (non-condensing)
<b>Protective structure</b>	IP67
<b>Vibration</b>	10-55 Hz / 1.5 mm double amplitude / 2 hours each in 3 directions
<b>Shock</b>	500 m/s <sup>2</sup> / 10 times each in 3 directions