

## AS-U25D

### Rating/Performance/Specification

<b>Detection method</b>	Through beam type (U-shaped)
<b>Detecting distance</b>	25mm fixed
<b>Detection object</b>	dia.2mm or more Opaque
<b>Power supply</b>	12-24V DC $\pm 10\%$ / Ripple 10% or less
<b>Current consumption</b>	20mA or less
<b>Output mode</b>	NPN open collector Rating: sink current 100 mA (30 VDC) or less
<b>Operation mode</b>	Dark ON
<b>Response time</b>	0.35ms or less
<b>Light source (light wavelength)</b>	Red LED (700nm)
<b>Indicator</b>	Operation indicator (red LED) Stability indicator (green LED)
<b>Short circuit protection</b>	Provided
<b>Material</b>	ABS
<b>Connection</b>	Attached cable (outer dimension: dia. 4mm) 0.2 mm <sup>2</sup> 3 cores 2 m
<b>Weight</b>	Approx. 60g
<b>Accessories</b>	Operation manual

### Environmental Specification

<b>Ambient temperature</b>	AS series: -25 - +55 °C (non-freezing) PU series: -10 - +55 °C
<b>Ambient humidity</b>	35-85%RH (non-condensing)
<b>Protective structure</b>	IP67 (IP 40 for PU10)
<b>Vibration</b>	10-55 Hz / 1.5 mm double amplitude / 2 hours each in 3 direction
<b>Shock</b>	500 VAC for 1 minute
<b>Insulation resistance</b>	500 VDC, 100 M $\Omega$ higher