Water Resistant 2-Color Indicator
Solid State Auto Switch: Direct Mounting Type
D-Y7BA

CE RoHS

Grommet

- ● Water (coolant) resistant type
- ● Using flexible cable as standard spec.
- ● The proper operating range can be determined by the color of the light.
  (Red → Green ← Red)

⚠Caution

Precautions

Please consult with SMC if using coolant liquid other than water based solution.
Detection characteristics (operating range) are the same as D-Y5☐ and D-Y7☐W, but the detection area length is different.

Auto Switch Specifications

PLC: Programmable Logic Controller

D-Y7BA (With indicator light)

Auto switch model	D-Y7BA
Wiring type	2-wire
Applicable load	24 VDC Relay, PLC
Load voltage	24 VDC (10 to 28 VDC)
Load current	2.5 to 40 mA
Internal voltage drop	4 V or less
Leakage current	0.8 mA or less at 24 VDC
Indicator light	Operating range ·········· Red LED illuminates. Proper operating range ·········· Green LED illuminates.
Standard	CE marking, RoHS

Oilproof Flexible Heavy-duty Lead Wire Specifications

Auto switch model		D-Y7BA
Sheath	Outside diameter [mm]	ø3.4
Insulator	Number of cores	2 cores (Brown/Blue)
	Outside diameter [mm]	ø1
Conductor	Effective area [mm²]	0.15
	Strand diameter [mm]	ø0.05
Minimum bending radius [mm] (Reference values)		21

Note 1) Refer to page 1584 for solid state auto switch common specifications.
Note 2) Refer to page 1584 for lead wire lengths.

Weight

(g)

Auto switch model		D-Y7BA
Lead wire length	3 m (L)	54
	5 m (Z)	88

Dimensions

(mm)

SMC