

Normally Closed Solid State Auto Switch Direct Mounting Type D-Y7G/D-Y7H



Refer to SMC website for the details of the products conforming to the international standards.

Grommet

- Output signal turns on when no magnetic force is detected.
- Using flexible cable as standard spec.



Auto Switch Specifications

PLC: Programmable Logic Controller

| D-Y7G, D-Y7H (With indicator light) | | |
|-------------------------------------|--|---------------|
| Auto switch model | D-Y7G | D-Y7H |
| Wiring type | 3-wire | |
| Output type | NPN | PNP |
| Applicable load | IC circuit, Relay, PLC | |
| Power supply voltage | 5, 12, 24 VDC (4.5 to 28 VDC) | |
| Current consumption | 10 mA or less | |
| Load voltage | 28 VDC or less | — |
| Load current | 40 mA or less | 80 mA or less |
| Internal voltage drop | 1.5 V or less (0.8 V or less at 10 mA load current) | 0.8 V or less |
| Leakage current | 100 μ A or less at 24 VDC | |
| Indicator light | Red LED illuminates when detecting nothing. | |
| Standard | CE marking, RoHS | |

Oilproof Flexible Heavy-duty Lead Wire Specifications

| Auto switch model | | D-Y7G | D-Y7H |
|-------------------|--|----------------------------|-------|
| Sheath | Outside diameter [mm] | ϕ 3.4 | |
| | Number of cores | 3 cores (Brown/Blue/Black) | |
| Insulator | Outside diameter [mm] | ϕ 1.0 | |
| | Effective area [mm ²] | 0.15 | |
| Conductor | Strand diameter [mm] | ϕ 0.05 | |
| | 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-Y7G | D-Y7H |
|-------------------|-------------|-------|-------|
| Lead wire length | 0.5 m (Nil) | 10 | |
| | 3 m (L) | 53 | |
| | 5 m (Z) | 87 | |

Dimensions

(mm)

