

Solid State Auto Switch Band Mounting Type

D-H7A1/D-H7A2/D-H7B

RoHS

Grommet



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

Auto Switch Specifications

PLC: Programmable Logic Controller

| D-H7□ (With indicator light) | | | |
|------------------------------|---|---------------|--------------------------|
| Auto switch model | D-H7A1 | D-H7A2 | D-H7B |
| Wiring type | 3-wire | | 2-wire |
| Output type | NPN | PNP | — |
| Applicable load | IC circuit, Relay, PLC | | 24 VDC 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 | — | 24 VDC (10 to 28 VDC) |
| Load current | 40 mA or less | 80 mA or less | 5 to 40 mA |
| Internal voltage drop | 1.5 V or less (0.8 V or less at 10 mA load current) | 0.8 V or less | 4 V or less |
| Leakage current | 100 μA or less at 24 VDC | | 0.8 mA or less at 24 VDC |
| Indicator light | Red LED illuminates when turned ON. | | |
| Standard | CE marking, RoHS | | |

Oilproof Heavy-duty Lead Wire Specifications

| Auto switch model | | D-H7A1 | D-H7A2 | D-H7B |
|--|-----------------------------------|----------------------------|--------|----------------------|
| Sheath | Outside diameter [mm] | ø3.4 | | |
| Insulator | Number of cores | 3 cores (Brown/Blue/Black) | | 2 cores (Brown/Blue) |
| | Outside diameter [mm] | ø1.1 | | |
| Conductor | Effective area [mm ²] | 0.2 | | |
| | Strand diameter [mm] | ø0.08 | | |
| 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.

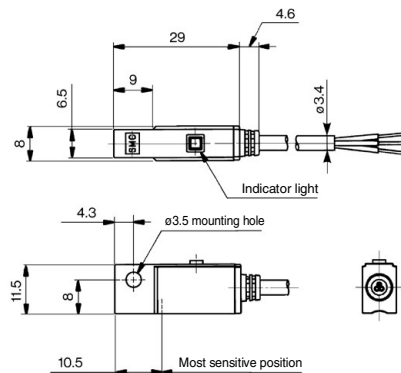
Weight

(g)

| Auto switch model | | D-H7A1 | D-H7A2 | D-H7B |
|-------------------|-------------|--------|--------|-------|
| Lead wire length | 0.5 m (NII) | 13 | — | 11 |
| | 3 m (L) | 57 | — | 50 |
| | 5 m (Z) | 92 | — | 81 |

Dimensions

(mm)



SMC

1597

D-□