

# Normally Closed Solid State Auto Switch Direct Mounting Style 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 $\mu$ A or less at 24 VDC	
Indicator light	Red LED illuminates when detecting nothing.	
Standard	CE marking	

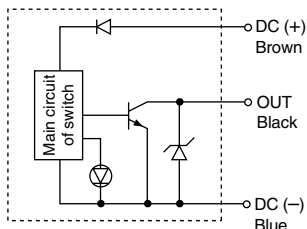
• Lead wires — Oilproof flexible heavy-duty vinyl cord,  $\phi$ 3.4, 0.15 mm<sup>2</sup>, 3 cores (Brown, Black, Blue), 0.5 m

Note 1) Refer to page 1272 for solid state auto switch common specifications.

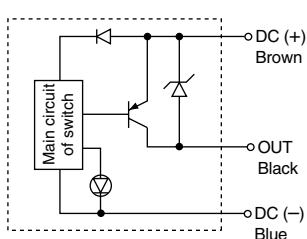
Note 2) Refer to page 1272 for lead wire lengths.

## Auto Switch Internal Circuit

### D-Y7G



### D-Y7H



## Mass

(g)

Auto switch model		D-Y7G	D-Y7H
Lead wire length (m)	0.5	10	10
	3	53	53
	5	87	87

## Dimensions

(mm)

