2-Color Indicator Solid State Auto Switch Direct Mounting Type D-Y7NW(V)/D-Y7PW(V)/D-Y7BW(V) € €



Grommet

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



Auto Switch Specifications

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

PLC: Programmable Logic Controller

D-Y7□W, D-Y7□WV (With indicator light)							
Auto switch model	D-Y7NW	D-Y7NWV	D-Y7PW	D-Y7PWV	D-Y7BW	D-Y7BWV	
Electrical entry direction	In-line	Perpendicular	In-line	Perpendicular	In-line	Perpendicular	
Wiring type	3-wire			2-wire			
Output type	NPN		PI	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 VD0	or less	_		24 VDC (10 to 28 VDC)		
Load current	40 mA	or less	80 mA or less		2.5 to 40 mA		
Internal voltage drop	(0.8 V	or less or less ad 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	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-Y7NW□	D-Y7PW□	D-Y7BW□	
Sheath	Outside diameter [mm]	ø3.4			
Insulator	Number of cores	3 cores (Brown/Blue/Black)		2 cores (Brown/Blue)	
	Outside diameter [mm]				
Conductor	Effective area [mm²]	0.15			
	Strand diameter [mm]				
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-Y7NW(V)	D-Y7PW(V)	D-Y7BW(V)
	0.5 m (Nil)	11		
Lead wire length	3 m (L)	54		
	5 m (Z)		88	

<u>Dimensions</u> (mm)

SMC



