

Magnetic Field Resistant 2-Color Indication Type Solid State Auto Switch

D-P4DWSC/D-P4DWSE

(Electrical Entry: Pre-wired connector)



Grommet

- It is possible to use in an environment which generates a magnetic field disturbance (AC magnetic field).
- The optimum operating position can be determined by the color of the light. (Red → Green ← Red)



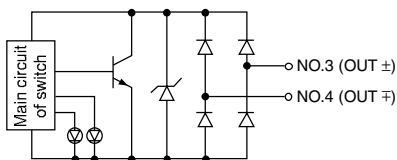
Caution

Precautions

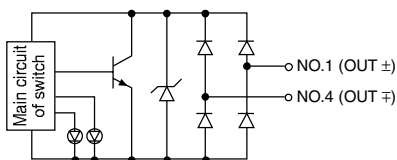
For single-phase AC welding machines.
Not applicable for DC inverter welding machines (including rectifying type) and or condenser type welding.

Auto Switch Internal Circuit

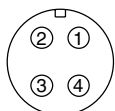
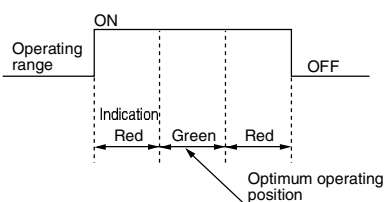
D-P4DWSC



D-P4DWSE



Indicator light/Display method



Connector pin

Auto Switch Specifications

PLC: Programmable Logic Controller

D-P4DWS□ (With indicator light)		
Auto switch model	D-P4DWSC	D-P4DWSE
Applicable load	24 VDC relay, PLC	
Load voltage	24 VDC (20 to 28 VDC)	
Load current	6 to 40 mA or less	
Internal voltage drop	5 V or less	
Leakage current	1 mA or less at 24 VDC	
Operating time	40 ms or less	
Indicator light	Operating position Red LED illuminates. Optimum operating position Green LED illuminates.	
Standard	CE marking	

- Lead wires — Oilproof heavy-duty vinyl cord, $\phi 6$, 0.5 mm², 2 cores, 300 mm
 - Impact resistance — Switch: 1000 m/s², Connector: 300 m/s²
- Note 1) Refer to page 1272 for solid state auto switch common specifications.
Note 2) Refer to page 1272 for lead wire lengths.

Magnetic Field Resistance

If the current of the AC welding machine is 16000 A or lower, the auto switch can be used, even if the distance between the welding conductor (gun cable) and the cylinder or switch is 0 mm.
Please contact SMC when the AC welding current exceeds 16000 A.

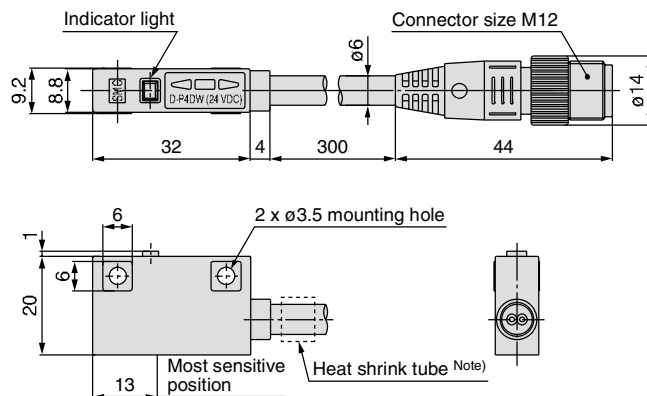
Mass

(g)

Auto switch model	D-P4DWSC	D-P4DWSE
	35	35

Dimensions

(mm)



Note) D-P4DWSC = "SC 3-4", D-P4DWSE = "SE 1-4"