

Magnetic Field Resistant 2-Color Indicator Solid State Auto Switch D-P4DW



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

Grommet

- It is possible to use in an environment which generates a magnetic field disturbance (AC magnetic field).
- The proper operating range 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 Specifications

PLC: Programmable Logic Controller

D-P4DW (With indicator light)	
Auto switch model	D-P4DW
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 range Red LED illuminates. Proper operating range Green LED illuminates.
Standard	CE marking (EMC directive/RoHS directive)

Oilproof Heavy-duty Lead Wire Specifications

Auto switch model		D-P4DW
Sheath	Outside diameter [mm]	ø6
	Number of cores	2 cores (Brown/Blue)
Insulator	Outside diameter [mm]	ø1.92
	Effective area [mm ²]	0.5
Conductor	Strand diameter [mm]	ø0.08
	Minimum bending radius [mm] (Reference values)	36

Note 1) Refer to page 1584 for solid state auto switch common specifications.

Note 2) Refer to page 1584 for lead wire lengths.

- Polarity: Non-polar

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.

Weight

(g)

Auto switch model		D-P4DW
Lead wire length	3 m (L)	150
	5 m (Z)	244

Dimensions

(mm)

