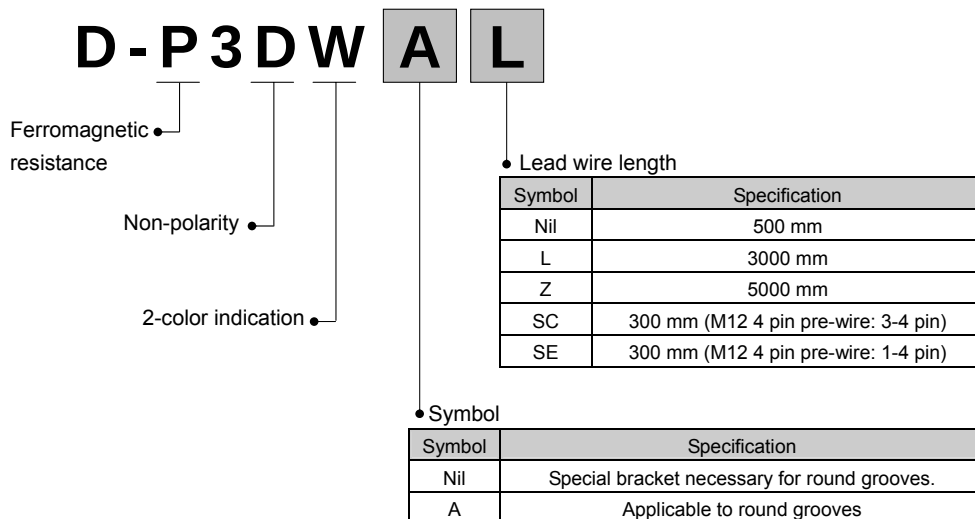


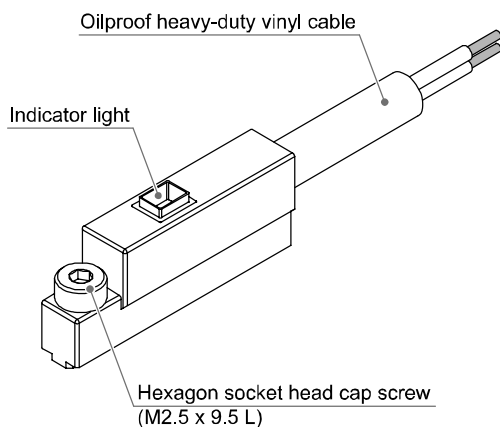
Model Indication Method



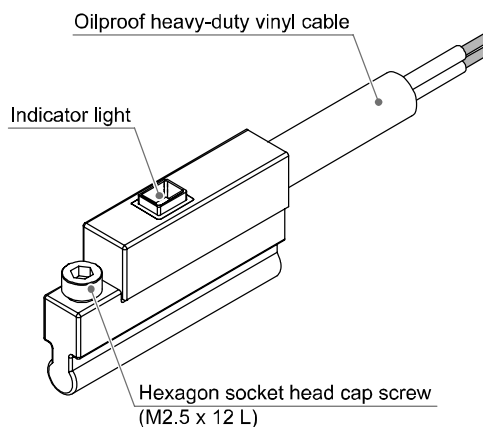
Names and Functions of products

Names of products

D-P3DW



D-P3DWA

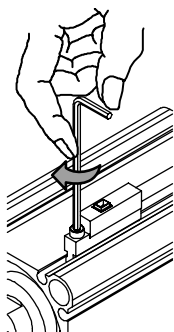


Mounting and Installation

■ Installation

When mounting the Auto switch to actuator it should be done with a mounting bracket for actuator. "How to mount" depends on the actuator type and tube I.D. Please refer the actuator catalogue. When the Auto switch is newly mounted, please prepare the mounting bracket for actuator after confirming that the actuator has a built in magnet.

○ Precaution for Mounting



• Proper tightening torque

The tightening torque for a hexagon socket head cap screw (M2.5 x 12L) is 0.2 to 0.3N•m.

Hold the shorter side of a hexagon wrench, and turn it to tighten.

(Too much tightening may break the switch)

• Setting the detecting position

Set the actuator at the stroke end. Set the Auto switch in the area to where the Auto switch red lamp light is on.

(Detecting actuator end)

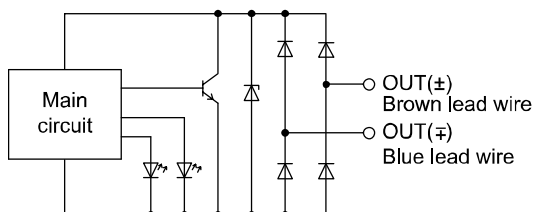
Based on A and B dimensions in the actuator catalogue, set the Auto switch.

For actual installation, perform adjustment by checking the operating conditions of the Auto switch.

Air grippers and rotary actuators have their own setting method. Follow their instructions.

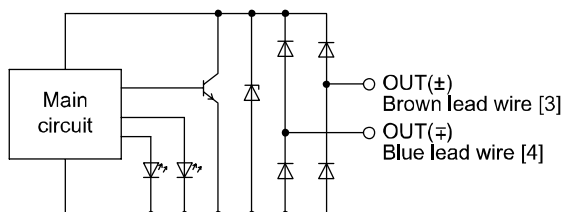
• Internal circuit

D-P3DW(A)□

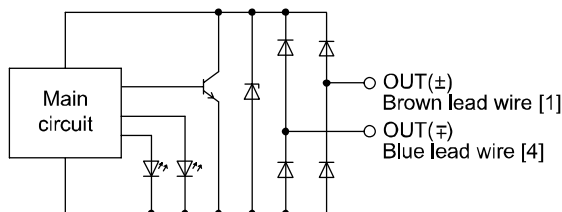


AND connection is not possible for this product.

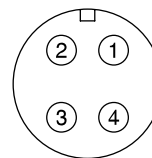
D-P3DW(A)SC



D-P3DW(A)SE



Connector pin assignment



Specification

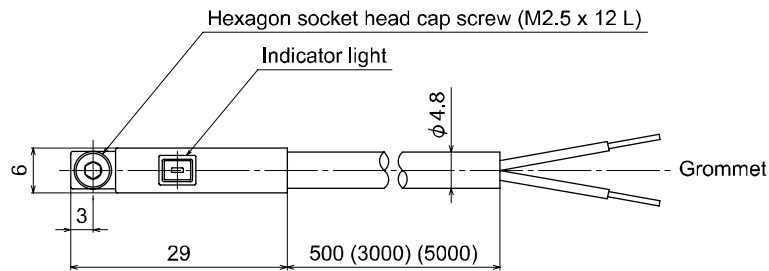
■ Specifications

Auto switch model	D-P3DW*
Wiring	2-wire
Output	—
Applicable load	24 VDC Relay / PLC
Load voltage	24 VDC (20 to 28 VDC)
Load current	6 to 40 mA
Internal voltage drop	5 V or less
Current leakage	1 mA or less
Operating time	40 ms or less
Indication light	Operating range: The red LED lights up. Proper operating range: The green LED lights up.
Electrical entry	Grommet
Lead wire	Vinyl sheath cable $\phi 4.8$, 0.5 mm ² , 2-wire
Impact proof	1000 m / s ²
Insulation resistance	50 MΩ or more under the test voltage 500 VDC (between case and cable)
Withstand voltage	1000 VAC 1min (between case and cable)
Ambient temperature	-10 to 60 °C
Enclosure	IEC60529 criteria IP67
Standards	CE, UL, RoHS

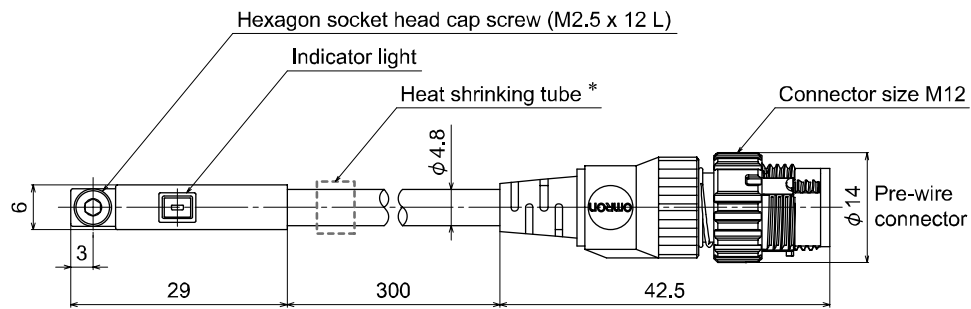
•Magnetic field resistance

When the alternative welding current is below 16000 A, it is not necessary to keep a distance between the actuator or Auto switch and the welding conductor (gun and cable). (Distance: 0mm) If the current exceeds 16000 A, check the distance between them.

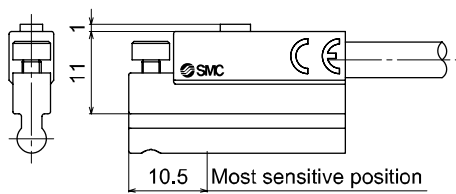
D-P3DWA(L)(Z)



D-P3DWASC, P3DWASE



Common



*: Mounting the white heat shrinking tube with only D-P3DWASE.

Revision history
A: Housing, thread and connector changed.
B: Addition of D-P3DWA

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Note: Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.
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PRODUCT: D-P3DWA / Compact Magnetic-Field-Resistant Solid-State Auto Switch

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