Arc Welding Spatter-resistant Lead Wire Type Magnetic Field-resistant Solid State Auto Switch

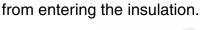


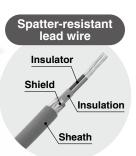


Improved lead wire spatter resistance

· Special fluorine compounds are used for the sheath, insulation, and insulator.

· A shield is provided between the sheath and the insulation to prevent spatter

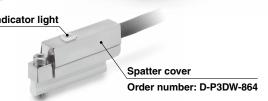






■ A type with a spatter cover is available.

- · The metal cover (Material: Stainless steel) covers the body to prevent spatter adhesion.
- · The cover is retrofittable.



Specifications

Auto Switch Specifications

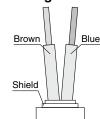
Model	D-P3DWA□-1173	D-P3DWA□-1173A
Wiring type	2-wire	
Load voltage	24 VDC (20 to 28 VDC)	
Load current	6 to 40 mA	
Internal voltage drop	5 V or less	
Leakage current	1 mA or less at 24 VDC	
Operating time	40 ms or less	
Indicator light	Operating position: Red LED lights up.	
indicator light	Proper operating range: Green LED lights up.	
Lead wire	Lead wire with double-sheath shield	
	ø4.7, 0.3 mm ² , 2 cores	
Impact resistance	1000 m/s ²	
Insulation resistance	$50~\text{M}\Omega$ or more (500 VDC measured via megohmmeter) (between the lead wire and case)	
Withstand voltage	1000 VAC for 1 min (between the lead wire and case)	
Ambient temperature	−10 to 60°C	
Enclosure	IEC60529 Standard IP67	
Standard	CE marking (EMC directive, RoHS directive)	
Applicable cylinders	Same as those for the D-P3DWA magnetic field-resistant auto switch	
Spatter cover	None	With spatter cover*1

^{*1} The cylinder shown on the right is not applicable. MD(L)U, C(L)KG□, and CD(N)A2 (Ø40, Ø50)

Lead Wire Specifications

Model		D-P3DWA□-1173
Sheath	O.D. [mm]	ø4.7
Insulation	O.D. [mm]	ø2.7
Insulator	Number of cores	2 cores (Brown/Blue)
	O.D. [mm]	ø1.12
Conductor	Effective area [mm ²]	0.3
Conductor	Strand diameter [mm]	ø0.08

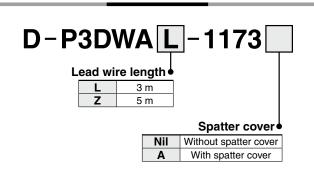
Wiring



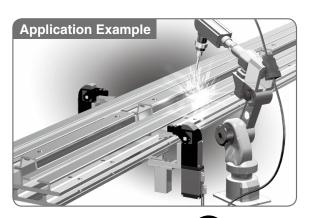
Lead wire color	Signal name
Brown	OUT(±)
Blue	OUT(±)
Shiold	

Do not connect wiring to the shield.

How to Order





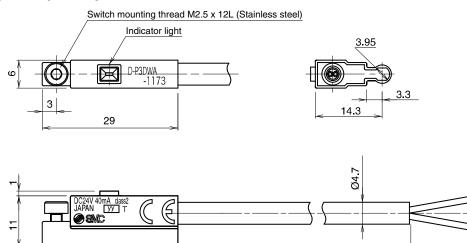




D-P3DWA□*-1173*□

Dimensions

D-P3DWAL/Z-1173



D-P3DWAL/Z-1173A (With spatter cover)

Most sensitive position

10.5

	[mm]
Model	Lead wire length (L)
D-P3DWL-1173(A)	3000
D-P3DWZ-1173(A)	5000

