

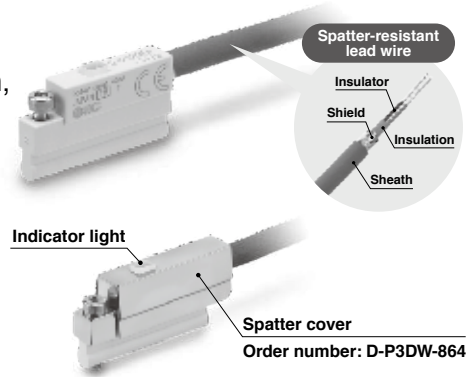
# Arc Welding Spatter-resistant Lead Wire Type Magnetic Field-resistant Solid State Auto Switch

## 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 from entering the insulation.

## 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

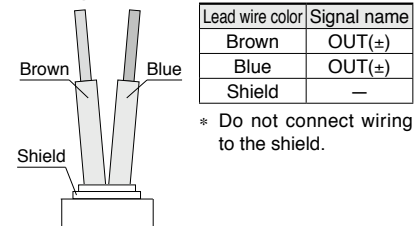
Model	D-P3DWA□-1173	D-P3DWA□-1173A
Wiring type	2-wire	
Load voltage	24 VDC (20 to 28 VDC)	
Load current	6 to 40 mA	
Internal voltage drop	5 V or less	
Leakage current	1 mA or less at 24 VDC	
Operating time	40 ms or less	
Indicator light	Operating position: Red LED lights up. Proper operating range: Green LED lights up.	
Lead wire	Lead wire with double-sheath shield ø4.7, 0.3 mm <sup>2</sup> , 2 cores	
Impact resistance	1000 m/s <sup>2</sup>	
Insulation resistance	50 MΩ 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* <sup>1</sup>

\*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 <sup>2</sup> ]	0.3
	Strand diameter [mm]	ø0.08

### Wiring

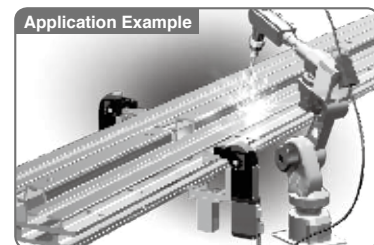


## How to Order

D-P3DWA **L** - 1173 □

Lead wire length • Spatter cover •

L	3 m	Nil	Without spatter cover
Z	5 m	A	With spatter cover

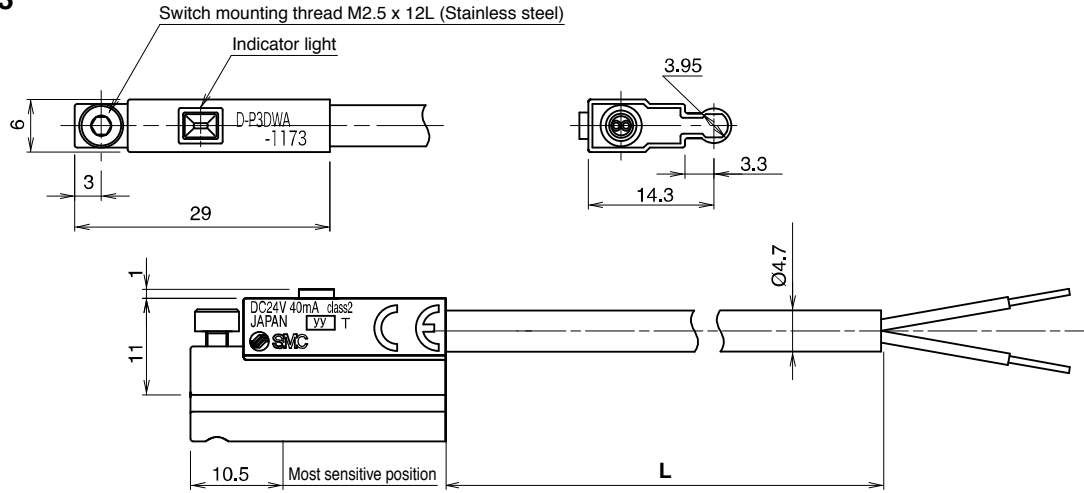


# D-P3DWA□-1173□ Series

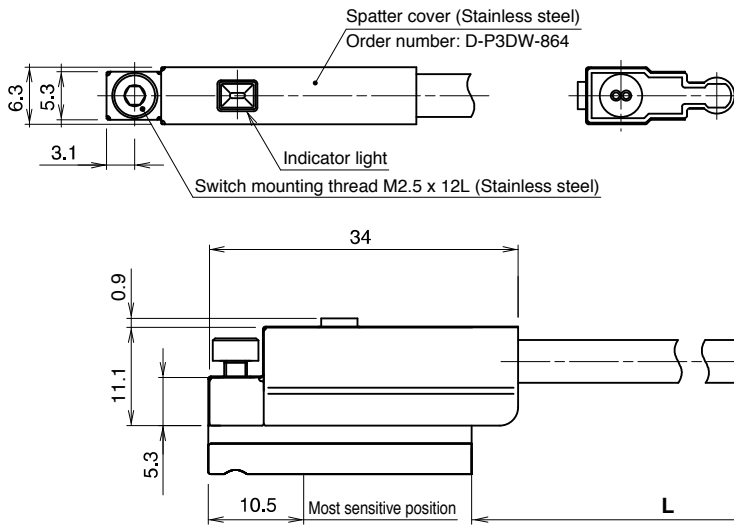
# D-P3DWA□-1173□

## Dimensions

### D-P3DWA/L/Z-1173



### D-P3DWA/L/Z-1173A (With spatter cover)



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

#### UNIT CONVERSIONS

unit	conversion	result	unit	conversion	result		
length	m	x 3.28	ft	pressure	MPa	x 145	psi
	mm	x 0.04	in		kPa	÷ 6.895	psi
mass	g	x 0.04	oz	temperature	°C	x 1.8 then add 32	°F
volume	cm <sup>3</sup>	÷ 16.387	in <sup>3</sup>	torque	N·m	x 0.738	ft·lb
	L	x 61.024	in <sup>3</sup>	force	N	÷ 4.448	lbf
speed	mm/s	÷ 25.4	in/s	flow	L/min	÷ 28.317	cfm



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