

## ASPD Series PV Surge Protection Device



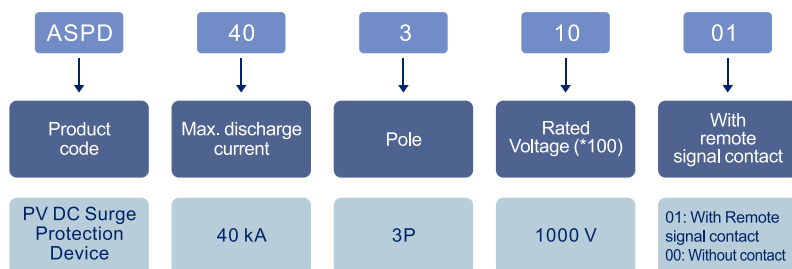
### FEATURES:

- Suitable For Use in All Photovoltaic Systems
- Pre-wired Modular Complete Unit, Consisting of A Base Part and Plug-in Protection Modules
- Plug-in Protection Module, easy Installation and Maintenance
- High Energy Varistor, Response Time Less Than 25 Nanoseconds
- Optional Remote Signal Contact(FM) for Monitoring Device (Floating Changeover Contact)
- Din Rail Mounting TH35-7.5/DIN35
- In Compliance with :EN 50539-11

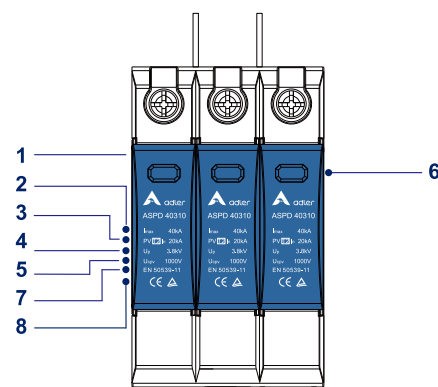
### PRODUCT SPECIFICATIONS

ASPD PV DC Surge Protection Device		
Pole		3P
Standard		EN 50539-11
Electrical Characteristics		
Category IEC/EN		IEC II/EN2
Open Voltage	Uoc Max	1000 VDC
Max Continuous Operational Voltage	Uc	1000 VDC
Nominal Discharge Current	In(8/20)µs	20 kA
Maximum Discharge Current	I <sub>max</sub> (8/20)µs	40 kA
Voltage Protection Level Up	Up	≤3.8 kV
Response Time		≤25 ns
Control and Indication		
Operating State/fault Indication		Green/Red
Plug-in Protection Module		■
Remote Signalling	Max. Working Voltage(V)	30 VDC
Contact (Optional)	Max. Working Current	1 A
Connection And Installation		
Wire	Hard cable mm <sup>2</sup>	4-25
	Flexible cable mm <sup>2</sup>	4-16
Terminal Screws		M5
Torque(Nm)	Main Circuit	2.5
	Remote Contact	0.25
Degree of Protection		IP20
Installation Environment		
Operating Temperature Range (TU)		-40°C to +80°C
For Mounting on		TH35-7.5/DIN35
Relative Humidity		30% to 90%
Weight kg		0.36

### Model Numbering Definitions



### PRODUCT ARCHITECTURE



- 1 Brand
- 2 Max. Discharge Current  $I_{max}$
- 3 Nominal Discharge Current  $I_n$
- 4 Voltage Protection Level  $U_p$
- 5 Max. Continuous Operating Voltage  $U_{cpv}$
- 6 Indicator
- 7 Standard Code
- 8 Certificate Symbol

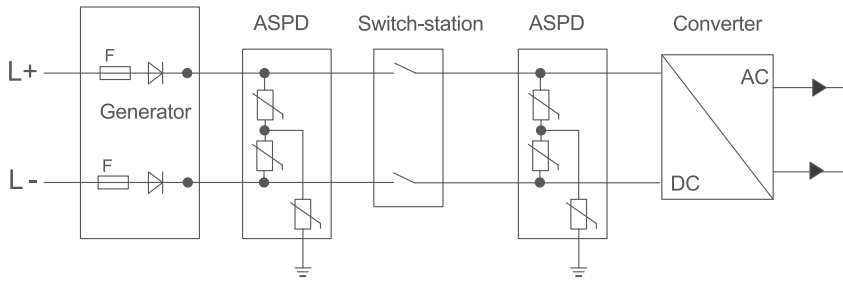
### Application

ADLER's ASPD Series PV DC Surge Protection Devices are designed and manufactured complying to PV standard EN50539-11. It is widely used in PV DC combiner boxes, inverters, controllers and DC cabinets. With a rated voltage of 1000 VDC and a maximum discharge current of 40 kA, the integrated high-energy varistor provides highly effective protection against lightning and surge voltages.

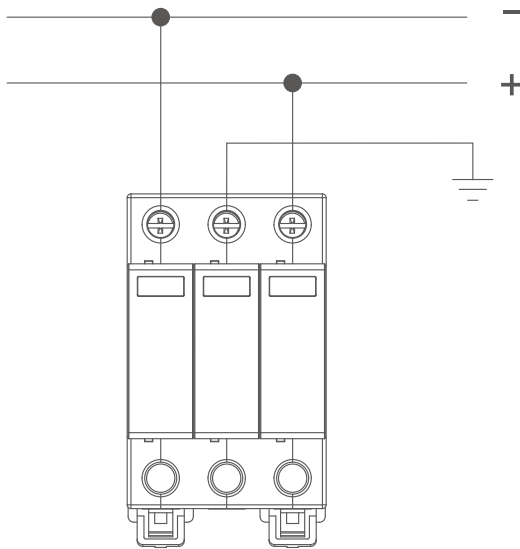


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### CONNECTION DIAGRAM



### WIRING INSTRUCTIONS



### DIMENSIONS(mm)

