



# ASPD20-220\_r Datasheet

Aiming to create better and safer working environments and life experiences through the products we deliver.



AVCOMM Technologies, Inc

[www.avcomm.us](http://www.avcomm.us)

Email: [info@avcomm.us](mailto:info@avcomm.us)

Phone: (713) 933-4534

Address: 333 West Loop North, Suite 460  
Houston, TX 77024  
United States

## Power Supply Module Surge Protector

The ASPD20-220\_r consists of the varistor-based power supply modules and base, each designed for the second-level protection of L/N-PE. These modules feature functions like anti-reverse insertion. The surge protector includes overheat protection, failure indication, and a centralized remote alarm dry contact, allowing remote monitoring of module installation reliability and module operational status.



### Ordering Information

Model Name	Description
ASPD20-220_r	Protection Mode: L/N-PE , Maximum Continuous Operating Voltage : 385V, Nominal Discharge Current : 10kA, Maximum Discharge Current : 20kA, Voltage Protection Level : 1.6 kV , IP20, Remote Signaling Function



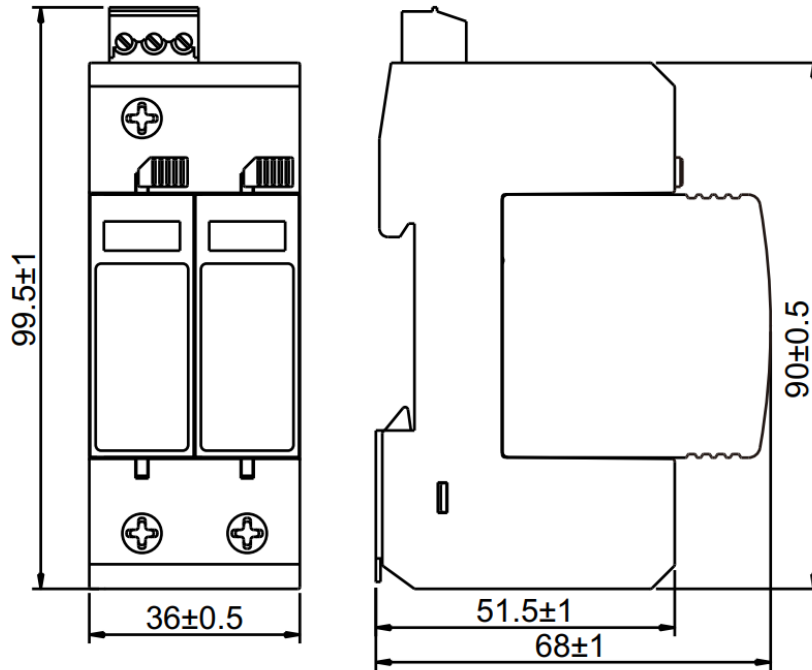
### Specifications

Technology	
Nominal Discharge Current $I_n$ (8/20 $\mu$ s)	10kA
Maximum Discharge Current $I_{max}$ (8/20 $\mu$ s)	20kA
Maximum Continuous Operating Voltage $U_c$	385V 50/60Hz
Protection Mode	L/N-PE
Voltage Protection Level $U_p$	1.6kV
Response Time $t_A$	$\leq 25$ ns
Maximum Backup Fuse	80A gL/gG
Number of Ports	1
Application System	ATMS
Mechanical	
Installation	35mm Standard DIN-Rail
Material	PBT V-0
Dimension	36mm $\times$ 68mm $\times$ 99.5mm
Ingress Protection	IP20
Environmental	
Operating Temperature & Humidity	-40 $^{\circ}$ C ~ 80 $^{\circ}$ C, 5%~95%
Altitude	70kPa ~ 106kPa
Warranty	3 years

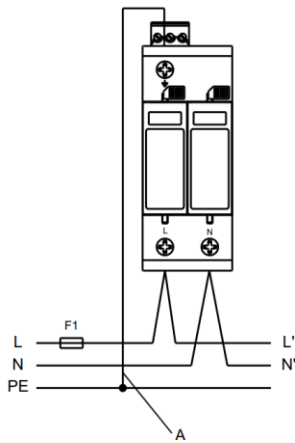
AVCOMM Technologies, Inc. All rights reserved. Trademarks and trade names that may be used in this document are owned by their respective companies. Specifications subject to change without notice. Please ask our sales for the most up-to-date product information. Avcomm Technologies Inc. Add: 333 West Loop North Ste. 460, Houston, TX 77024

## Installation dimensions

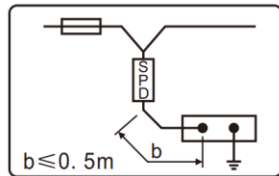
Unit: mm



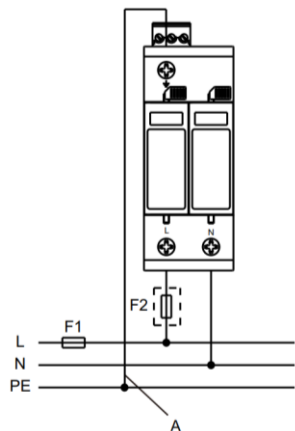
## Connection Method



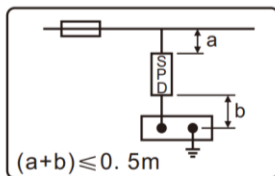
$F1 \leq 80A$  gL/gG



A Min. 6 mm<sup>2</sup> Cu



$F1 > 80A$  gL/gG →  $F2 \leq 80A$  gL/gG  
 $F1 \leq 80A$  gL/gG →  $\times 2$



A Min. 6 mm<sup>2</sup> Cu

### Wiring

Min. □ L, N, PE	1.5 mm <sup>2</sup>	
Max. □ L, N, PE	25 mm <sup>2</sup>	35 mm <sup>2</sup>

### Remote signaling contacts

	AC: 250V/0.5A 125V/1A DC: 30V/0.1A
Slotted drive	0.25Nm
	Max. 1.5 mm <sup>2</sup>