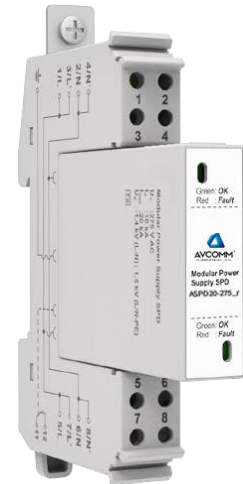


Power Supply Module Surge Protector

The ASPD20-275_r is composed of a composite power module and a base, designed for the third-level protection of low-voltage distribution systems. It can be used in series or parallel between AC and DC power and system equipment. These modules feature anti-reverse insertion function. 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.



Features

- Anti-reverse insertion function
- High current capacity with low residual voltage
- Overheat protection
- Failure indication, and a centralized remote alarm dry contact
- IP 20, flame rating: UL 94 V-0



Ordering Information

Model Name	Description
ASPD20-275_r	Maximum Continuous Operating Voltage : 275V, Nominal Discharge Current : 10kA, Maximum Discharge Current : 20kA, IP20, -40°C to +85°C, Remote Signaling Function



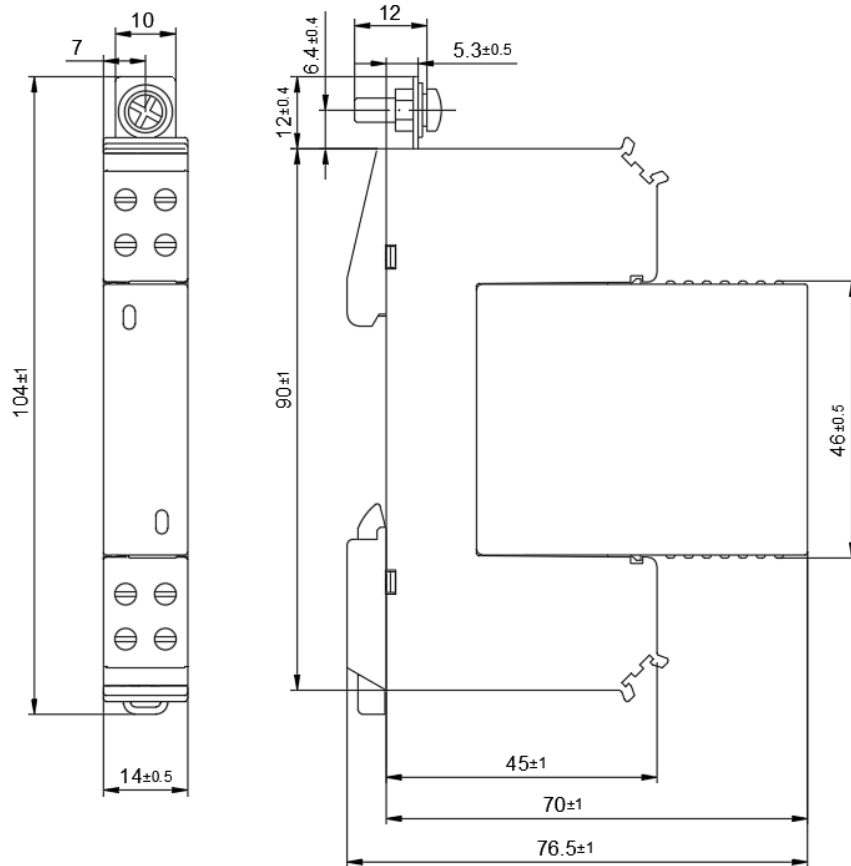
Specifications

Technology	
SPD according to IEC 61643-11	Class II + Class III
SPD according to EN 61643-11	Type 2 + Type 3
Maximum Continuous Operating Voltage U_c	275 V AC
Nominal Discharge Current I_n (8/20 μ s)	10 kA
Maximum Discharge Current I_{max} (8/20 μ s)	20 kA
Open Circuit Voltage U_{oc}	6 kV

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Voltage Protection Level U_p (I_n)	L-N: 1.4 kV、 L/N-PE: 1.5 kV
Voltage Protection Level U_p (U_{oc})	L-N: 1.2 kV、 L/N-PE: 1.5 kV
Rated Load Current I_L	26 A(30°C)
Maximum Backup Fuse	40 A gL/gG
Connection Method	Parallel, series
Protection Mode	L-N; L/N-PE
Response Time t_A	L-N: ≤ 25 ns; L/N-PE: ≤ 100 ns
Terminal Connector Wire Cross-Sectional Area	Multicore wire: 1.0 mm ² ~ 2.5 mm ² ; Single-core wire: 1.0 mm ² ~ 4 mm ²
Maximum wire cross-sectional area for remote signaling interface	0.2 ~ 1.5 mm ²
Remote Signaling Alarm Contact Strength	AC: 250 V/0.5 A 125 V/1 A DC: 30 V/0.1 A
Torque: Terminal	0.5 N·m
Flame Rating	UL94 V-0
Application System	ATMS
Mechanic	
Dimension	90 mm×14 mm×76.5 mm (Excluding PE terminal)
Installation	35 mm Standard DIN-Rail
Ingress Protection	IP 20
Environmental	
Operating Temperature	-40°C ~ 85°C
Humidity	5%~95%
Altitude	-500 m~+4000 m
Warranty	3 years

Installation dimensions



Connection Method

