

# CRITEC® DSD (DC)

Asia/Australia  
Europe  
Latin America  
North America

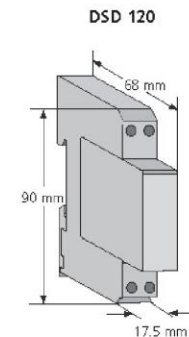
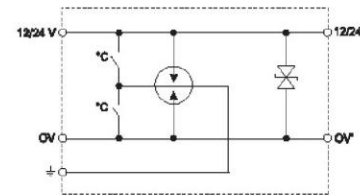
## DIN Surge Diverter



- General purpose barrier – protection of 12 / 24V DC systems and equipment
- Ease of grounding – through DIN mounting rail or via terminal
- Separate plug and base design – facilitates ease of module replacement
- Two stage protection – suitable for the protection of power supply feeds
- Large surge rating to 20kA 8/20 – suitable for exposed DC wiring

The DSD120 series provides high surge rating for circuits that are exposed to higher transient levels, such as those which exit the facility building.

Model	DSD120 1S 12	DSD120 1S 24
Item Number for Europe	702670	702680
Nominal System Voltage $U_n$	12V $\overline{---}$	24V $\overline{---}$
Max. Cont. Operating Voltage $U_c$	15V $\overline{---}$	28V $\overline{---}$
Max. Line Current $I_L$	10A	
Max. Discharge Current $I_{max}$	20kA 8/20 $\mu$ s	
Protection Modes	Differential & Common Mode	
Technology	GDT & Silicon	
Voltage Protection Level $U_p$ @ Cat B3, 3kA 8/20 $\mu$ s	(L-L) <30V	(L-L) <40V
Loop Resistance	<0.5 $\Omega$	
Dimensions	1 M, 90 mm x 68 mm x 17.5 mm (3.5" x 2.6" x 0.7") approx.	
Weight	0.1 kg (0.24 lb)	
Enclosure	DIN 43 880, UL94V-0 thermoplastic, IP 20 (NEMA-1)	
Connection	1 mm $^2$ to 6 mm $^2$ (#18AWG to #10AWG)	
Mounting	35 mm top hat DIN rail	
Temperature	-25°C to +70°C (-13°F to +158°F)	
Humidity	0% to 90%	
Approvals	CE	
Surge Rated to Meet	ANSI/IEEE C 62.41.2 Cat A, Cat B, Cat C	
Replacement Module	DSD1201S12M	DSD1201S24M
Module Item Number for Europe	702675	702685



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