

40KA 2-Pole DINRAIL DC Series Surge Protector

Model No: ZGDINF1000DC32A

Electrical Specifications

Connection type	Series		
Modes of protection	L-N, L-E, N-E (All modes are protected)		
Phases			
Nominal Voltage	U_o		1140 VDC
Maximum Continuous Voltage	U_c	DC+-DC-	1400 VDC
		DC+-E	1400 VDC
Maximum Discharge Current (8/20 μ s)	I_{max}	DC+-DC-	40kA
		DC+-E	40kA
Voltage Protection Level @ In	U_p	L-N	< 1.2 kV
		N-E	< 1.2 kV
Temporary Overvoltage (TOV)	U_T	L-N	1.2 kV / 0.2 s (Withstand)
		N-E	1.2 kV / 0.2 s (Withstand)



Indication

Display	LED Status
External Alarm	Optional (on request)
Display / Alarm Function	Optional (on request)

Mechanical Specifications

Operating Temperature	-40 to +70°C
Humidity Range	5 to +95°C
Terminal Capacity - Alarm	0.5 - 2.5 mm ²
Terminal Capacity - Power	10 -16mm ²
Terminal Screw Torque - Power	2 Nm
Terminal Screw Torque - Alarm	0.5
Environment / Location	IP 20 / Indoor
Mounting	TS35 Din-Rail
Enclosure / Colour	Metal / Black

Standards

IEC 61643-11:2011	SPD connected to low-voltage power systems - Type 2 + 3
AS/NZS 1768:2007	A.C. power system SPD - Cat C, B, A
UL 1449 3rd Edition	Low voltage SPD - Type 2, Type 3
IEEE 62.41.2:2012	Low voltage SPD - Cat B, Cat C
Weight	400g