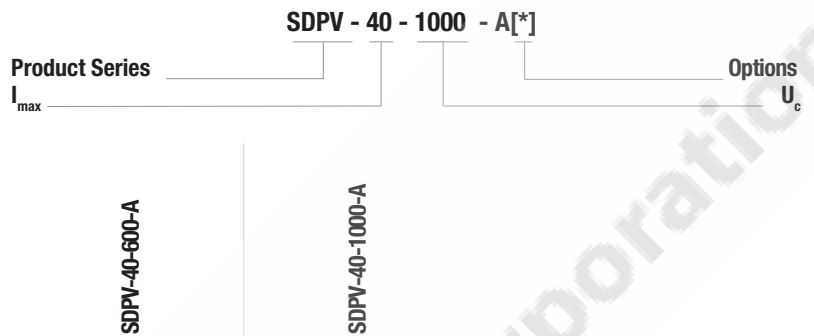


SDPV Surge Diverters - Photovoltaic

Novaris SDPV surge diverters provide the highest level of protection for photovoltaic equipment with voltages up to 1000V. Their compact design makes them an ideal choice for space restricted applications.



Electrical Specifications		Series	
Connection type		Series	
Modes of protection		All mode ((+)-(-), (+)-PE, (-)-PE)	
Phases		2	
Maximum open circuit voltage	U_{cpv}	600V	1000V
Maximum discharge current (8/20 μ s) (L-N)	I_{max}	40kA transverse mode, 80kA common mode	
Nominal Discharge Current (8/20 μ s)	I_n	20kA transverse mode, 40kA common mode	
Voltage protection level @ 3kA (8/20 μ s)	U_p	<2000V	<3000V
Response time	t_A	Instantaneous	
Earth leakage current		<200 μ A	
Display		LED status	
Alarms		Thermal failure	
Alarm isolation to active circuitry		4kV	
Maximum backup fuse (gG) (>63A DC current)			
Mechanical Specifications			
Operating temperature / humidity		-40 to +70°C / 5 to 95% non-condensing	
Connection type		Screw terminal	
Terminal capacity - power		16mm ²	
Terminal capacity - alarm		2.5mm ²	
Terminal screw torque - power		2.0Nm	
Terminal screw torque - alarm		0.5Nm	
Environmental		IP 20	
Mounting		TS35 DIN rail	
Enclosure / colour		Metal / Black	
Weight		400g	
Dimensions			
Width		90mm	
Height		95mm	
Depth		70mm	
Options [*]			
Polycarbonate enclosure		P	

Standards Compliance

IEC 61643-31
prEN 50539-11