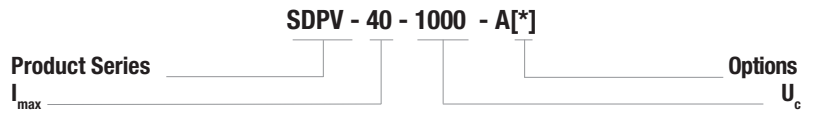


SDPV Surge Diverters - Photovoltaic

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.



SDPV-40-600-A

SDPV-40-1000-A

Electrical Specifications			
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

Standards Compliance
IEC 61643-31
prEN 50539-11

Options [*]	
Polycarbonate enclosure	P