

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 - 1000 - [*]

Product Series

Options

I_{max}

U_c

SDPV-40-400	SDPV-40-400-A	SDPV-40-600	SDPV-40-600-A	SDPV-40-800	SDPV-40-800-A	SDPV-40-1000	SDPV-40-1000-A
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Electrical Specifications

Electrical Specifications		Series					
Connection type		Series					
Modes of protection		All mode ((+)-(-), (+)-PE, (-)-PE)					
Phases		2					
Maximum continuous voltage	U_{cpv}	400V	600V	800V	1000V		
Maximum discharge current (8/20 μ s)	I_{max}	40kA					
Nominal Discharge Current (8/20 μ s)	I_n	20kA					
Voltage protection level @ 3kA (8/20 μ s)	U_p	<1600V	<2500V	<3600V	<4000V		
Response time	t_A	Instantaneous					
Earth leakage current		<200 μ A					
Display		LED status					
Alarms (optional)		Thermal failure					
Alarm isolation to active circuitry		4kV					

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
AS/NZS 1768 categories A, B

Options [*]

External alarm		A
Polycarbonate enclosure		P