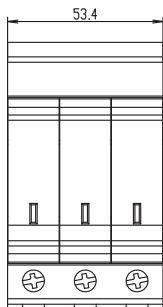
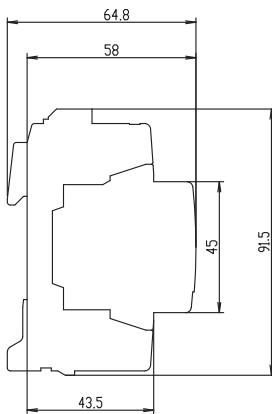


OVR PV DIN Rail SPD

OVRPV151000PU

UL 1449 3rd Edition



Electrical Characteristics

Type of networks		Photovoltaic - DC side
Number of poles / Type of current		3 / DC
Type / Test class		UL 1449 3rd Ed. - Type 1 IEC 61 643-11 - T2 / II
Maximum continuous operating voltage (U_{SPV})	V	1000
Voltage protection level (U_{res} @ 3kA/5kA/10kA; L+/G, L-/G, L+/L-)	kV	3.4 / 3.6 / 4.0
Voltage protection rating VPR (L+/G, L-/G, L+/L-)	kV	4.0 / 4.0 / 4.0
Nominal discharge current (I_n @ 8/20)	kA	5
Maximum discharge current (I_{max} @ 8/20)	kA	15
Follow current interrupt rating (I_f)	A	None
Response time	ns	< 25
Ground residual current (I_{gr})	μ A	< 50
Short circuit withstand (I_{scSPV})	kA	10
Integrated thermal disconnect		Yes
State indicator		Yes
Safety reserve		No
Remote indicator		No
Overcurrent protection $\text{\textcircled{O}}$		
Circuit breaker - B or C curve	A	Not required
Class J fuse	A	Not required
$\text{\textcircled{O}}$ UL approved without overcurrent protection. If continuity of service is preferred, a 10A g_{PV} fuse is recommended.		

Mechanical Characteristics

Wire range - solid wire	AWG	4-14
Wire range - stranded wire	AWG	6-14
Stripping length	in	0.5
Tightening torque	in-lbs	24.5

Remote Indicator

Type of contact		-
Minimum load		-
Maximum load		-
Connection cross section	AWG	-

Miscellaneous Characteristics

Degree of protection		NEMA 1 / IP 20
Operating temperature	F	-40° to 176°
Maximum relative humidity	%	93
Maximum altitude	ft	6562
Weight	lb	0.75
Color of housing / Fire resistance according to UL 94		Gray RAL 7035 / V-0
Reference standards		UL 1449 3rd Ed / IEC 61 643-11 / UTE C 61-740-51

Replacement Cartridges

Phase		OVRPV151000CU
-------	--	---------------

Contact Us

ABB Inc.

Low Voltage Control Products
16250 W. Glendale Drive
New Berlin, WI 53151
Phone: 888-385-1221
Fax: 800-726-1441

USA Technical Support & Customer Service:
888-385-1221, Option 4
7:30AM to 5:30PM, CST,
Monday - Friday
lvps.support@us.abb.com

Web: www.abb.us/lowvoltage