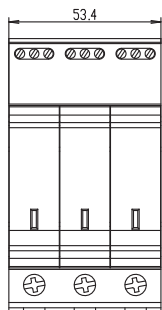
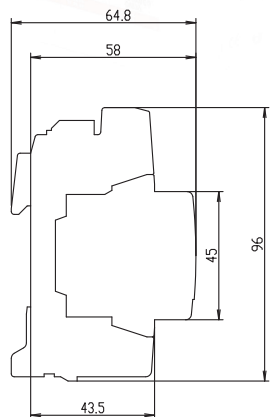


OVR PV DIN Rail SPD OVRPV401000PTSU UL 1449 3rd Edition



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	10
Maximum discharge current (I_{max} @ 8/20)	kA	40
Follow current interrupt rating (I_f)	A	None
Response time	ns	< 25
Ground residual current (I_{gr})	μ A	< 50
Short circuit withstand (I_{scwpr})	kA	10
Integrated thermal disconnecter		Yes
State indicator		Yes
Safety reserve		No
Remote indicator		Yes
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		1 NO / 1 NC
Minimum load		12 VDC / 10 mA
Maximum load		250 VAC / 1 A
Connection cross section	AWG	16
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		OVRPV401000CU

Contact Us

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