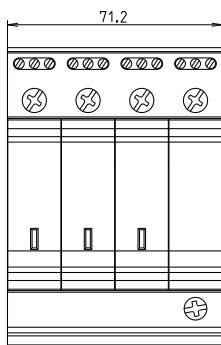
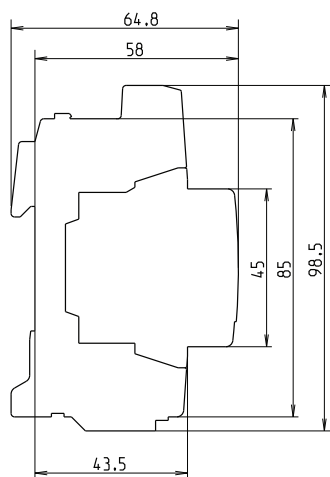


OVR DIN Rail SPD

OVRT23N40320PTSU

UL 1449 3rd Edition



Electrical Characteristics

Protection mode		L-L / L-N / L-G / N-G
Number of poles / Type of current		4 / AC
Type / Test class		UL 1449 3rd Ed. - Type 4 for Type 2 apps IEC 61 643-1 2nd Ed - T2 / II
Nominal voltage (U_n) (L-N / L-L)	V	277 +/- 15% / 480 +/- 15%
Frequency	Hz	50-60
Maximum continuous operating voltage (U_c) (L-N / L-L)	V	320 / 640
Voltage protection level (U_{res}) - 3kA (L-N / N-G / L-G)	kV	1.0 / 0.4 / 1.0
Voltage protection level (U_{res}) - 5kA (L-N / N-G / L-G)	kV	1.1 / 0.6 / 1.1
Voltage protection level (U_{res}) - 10kA (L-N / N-G / L-G)	kV	1.2 / 0.7 / 1.2
Voltage Protection Rating (VPR - UL 3rd Ed.) (L-N / N-G / L-G)	kV	1.0 / 1.2 / 1.1
Nominal discharge current ($I_n @ 8/20$)	kA	20
Maximum discharge current ($I_{max} @ 8/20$)	kA	40
Follow current interrupt rating (I_{cc}) (L-N / N-G)	A	None / 100
Response time	ns	<25
Operating current (I_o)	mA	<0.1
Short circuit withstand current (I_{scw})	kA	200
Integrated thermal disconnecter		Yes
State indicator		Yes
Safety reserve		No
Remote indicator		Yes
Disconnecter	Circuit breaker - B or C curve	A
	Class J fuse	A
		≤125
		≤100

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
Degree of protection		NEMA 1

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

Operating temperature	F	-40° to 176°
Maximum altitude	ft	6562
Weight	lb	1.0
Color of housing / Fire resistance according to UL 94		Gray RAL 7035 / V-0
Reference standards		UL 1449 3rd Ed, IEC 61 643-1 2nd Ed

Replacement Cartridges

Phase		OVRT240320CU
Neutral		OVRT270NCU

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