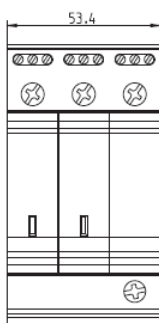
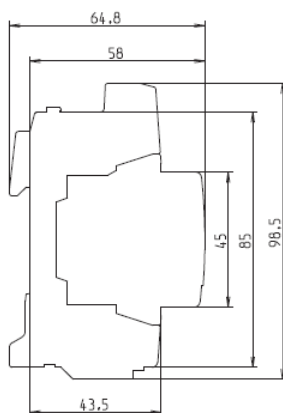


Surge Protective Devices

OVRT22N40320PTSU



Electrical Characteristics

Protection mode		LL-LN-LG-NG
Number of poles / Type of current		3 / 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}) 3 kA (L-N / N-G / L-G)	[kV]	1.0/0.4/1.0
Voltage protection level (U_{res}) 5 kA (L-N / N-G / L-G)	[kV]	1.1/0.6/1.1
Voltage protection level (U_{res}) 10 kA (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]	1.2/0.7/1.1
Nominal discharge current (I_n @ 8/20)	[kA]	20
Maximum discharge current (I_{max} @ 8/20)	[kA]	40
Follow current interrupt rating (I_f) (L-N / N-G)	[A]	None / 100
Response time	[ns]	< 25
Operating current (I_o)	[mA]	< 0.1
Short circuit withstand current (I_{scpr})	[kA]	200
Integrated thermal disconnecter		Yes
State indicator		Yes
Safety reserve		No
Remote indicator		Yes
Disconnecter Circuit breaker B or C curve	[A]	≤ 125
Disconnecter J class fuse	[A]	≤ 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 / Storing temperature	[°C]	-40 to +80 / -40 to +80
Maximum altitude	[M/ft]	2000 / 6562
Weight	[g/lb]	120/0.25
Color of housing / Fire resistance according to UL94		Gray RAL 7035 / V0
Reference standards		UL1449 3rd Ed; IEC 61 643-1; cURus

Replacement Cartridges

Phase		OVRT240-320CU
Neutral		OVRT270-NCU

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