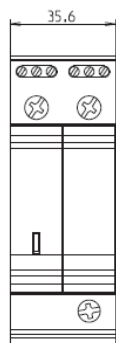
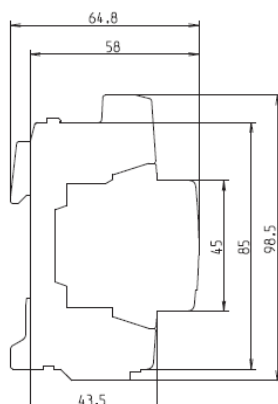


# Surge Protective Devices

## OVRT21N40660PTSU



### Electrical Characteristics

Protection mode		LN-LG-NG
Number of poles / Type of current		2 / 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)	[V]	600 +/- 15%
Frequency	[Hz]	50-60
Maximum continuous operating voltage ( $U_c$ ) (L-N)	[V]	660
Voltage protection level ( $U_{res}$ ) 3 kA (L-N / L-G)	[kV]	1.9/1.9
Voltage protection level ( $U_{res}$ ) 5 kA (L-N / L-G)	[kV]	2.0/2.0
Voltage protection level ( $U_{res}$ ) 10 kA (L-N / L-G)	[kV]	2.2/2.2
Voltage protection rating (VPR - UL 3rd Ed.) (L-N / N-G)	[kV]	1.9/2.0
Nominal discharge current ( $I_n$ @ 8/20)	[kA]	10
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 ( $I_{sc}$ )	[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		OVRT240-660CU
Neutral		OVRT270-NCU

# Contact us

## Canada

**ABB Inc.**

**Low Voltage Products**

**2117 – 32nd Avenue**

**Lachine, QC, CANADA H8T 3J1**

**Tel.: 514-420-3100**

**Fax: 514-420-3137**

**Toll Free: 1-800-567-0283**

[www.abb.ca](http://www.abb.ca)

While all care has been taken to ensure that the information contained in this publication is correct, no responsibility can be accepted for any inaccuracy. The Company reserves the right to alter or modify the information contained herein at any time in the light of technical or other developments. Technical specifications are valid under normal operating conditions only. The Company does not accept any responsibility for any misuse of the product and cannot be held liable for indirect or consequential damages.

© Copyright 2011 ABB Inc. All rights reserved.

