

RP158 SPECIFICATIONS

VOLTAGE RATINGS	
Rated Frequency	50/60 Hz
Rated Maximum Line-to-Line Voltage, 3.0	3.6 RMS kV
Low Frequency Withstand Voltage	13.5 RMS kV
BIL Withstand Voltage	45 crest kV
CURRENT RATINGS	
Rated Continuous Current	300 RMS A
Generated Heat Loss:	
@ 300 amps; 30 pounds added contact force	14 watts
Maximum Short Circuit Current (Symmetrical)	6000 RMS A
Asymmetry Ratio S. Maximum	1.0
30 Sec. Current Carrying Capability	2000 RMS A
Fuse Let Through Current (1/2 Cycle)	28,000 peak A
MECHANICAL DATA	
Interrupter Weight	1.1 ± 10% lbs.
Moving Contact Weight	0.3 ± 10% lbs.
Contact Force from Atmospheric Pressure	10.6 ± 20% lbs.
MECHANICAL REQUIREMENTS	
Contact Stroke, Maximum	0.110 in.
Opening Speed Average to .08 inch Gap	1.1-2.5 ft./sec.
Overtravel During Opening Max	0.140 in.
Closing Speed, Average of last .03 inch	1.0-2.0 ft./sec.
Contact Bounce Duration, Max	0.002 sec.
Added Contact Force for 6000 A RMS symmetrical	30 lbs.
TYPICAL LIFE	
Contact Erosion Limit	0.04 in.
MECHANICAL LIFE	
ELECTRICAL LIFE	

NOTES:

1. Avoid twisting movable terminal and excessive opening of contacts to prevent damage to bellows and reduced life.
2. Electrical connections should be made at copper terminals. Compression type fittings are recommended.
3. Interrupter should be mounted at fixed end by Fixed Copper Terminal.
4. ALL DIMENSIONS ARE IN INCHES WITH OUTSIDE DIMENSIONS ALSO IN METRIC.

