



Specification Submittal Form — Line Reactors
 acc. UL/CSA file no. 173113

Use Standard Mangoldt Specification

LOW VOLTAGE SPEC

Phases 3~ 1~
 System Voltage (V_N) 600V 480V 415V 400V 380V 240V 208V
 System Frequency 60 hz 50 hz
 Fundamental Current _____ Amps rms
 % Impedance: 1.5% 2% 3% 4% 5% _____ %
 Inductance / tolerance _____ mH ± 3 % of L_{Nom}
 Harmonic currents: See table below
 Thermal current(I_{RMS}) See table below
 Core linearity (I_{LIN}): 2.5 x I_{Fund} (with 0.95 x L_{Nom})
 Max. ambient temperature: 50° Celcius
 Over-temperature switch: 1 in center coil N.C. N.O.

Reactor Impedance	1.5%	2%	3%	4%	5%
Harmonic No.	Magnitude of Current per Harmonic Frequency				
1 (Fund)	1	1	1	1	1
5	0.51	0.46	0.39	0.35	0.32
7	0.28	0.23	0.17	0.14	0.12
11	0.11	0.09	0.075	0.065	0.06
13	0.07	0.06	0.05	0.043	0.04
17	0.04	0.035	0.03	0.025	0.024
19	0.03	0.028	0.023	0.02	0.02
Total Harmonics	0.60	0.53	0.44	0.39	0.35
Thermal Current I_{rms}	1.17	1.13	1.09	1.07	1.06

Use Customer Specification

Phases 3~ 1~
 System Voltage (V_N) _____ Volts, specify () L-L or () L-N
 System Frequency 60 hz 50 hz
 Fundamental Current _____ Amps rms
 % Impedance: _____ OR _____ mH
 Harmonic current capability: I₅ = _____%, I₇ = _____%, I₁₁ = _____%, I₁₃ = _____%, I₁₇ = _____%, I₁₉ = _____%
 relative on I_{Fund} _____, _____, _____, _____, _____
 Core linearity (I_{LIN}): _____ x I_N (with 0.95 x L_{Nom})
 Max. ambient temperature: _____° Celcius
 Over-temperature switch(es): one three
 Over-temperature switch: N.C. N.O.

Company: _____
 City: _____
 Tel: _____
 Email: _____

Name: _____
 St/Prov: _____ PC/ Zip _____
 Fax: _____