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Reactors / Filterkreisdrosseln ✧ Blocking Filter / Sperrkreise ✧ Components for Power Electronics / Wickelgüter für Umrichter

Specification Submittal Form — Capacitor Protection Reactors

acc. UL/CSA file no. 173113

☐ Use Standard Mangoldt Specification — LOW VOLTAGE SPEC

Phases	System Frequency	System Voltage (V_N)
☐ 3~ ☐ 1~	☐ 60 hz ☐ 50 hz	☐ 600V ☐ 480V ☐ 415V ☐ 240V ☐ 208V
Tuning frequency 4.08 x fundamental frequency (hz)	Inductance / tolerance _____ mH ± 3 % of L_{Nom}	Fundamental current 1.10 x I_N (where I_N = nominal current based on KVAR and nominal voltage)
Harmonic voltage distortion V_{H3} = 0.5%, V_{H5} = 6%, V_{H7} = 5%, V_{H11} = 3.5%, V_{H13} = 3% (9.08% THVD)	Harmonic current capability I_3 = 3%, I_5 = 56%, I_7 = 17%, I_{11} = 5.8%, I_{13} = 4% (relative to I_N)	Capacitor terminal voltage 1.064 x V_{L-L}
Thermal current (I_{RMS}) 1.25 x I_N	Core linearity (I_{LIN}): 2.36 x I_N (with 0.95 x L_{Nom})	Max. ambient temperature 50° Celcius
Over-temperature switch 1 in center coil ☐ N.C. ☐ N.O		

☐ Use Customer Specification — MEDIUM & LOW VOLTAGE SPEC

Phases	System Frequency	System Voltage (V_N)
☐ 3~ ☐ 1~	☐ 60 hz ☐ 50 hz	_____ Volts, specify ☐ L-L or ☐ L-N
Tuning frequency _____ hertz	Inductance _____ mH	Tolerance + ____ % / - ____ % of L_{Nom}

Harmonic voltage distortion

V_{H3} = _____ % V_{H5} = _____ % V_{H7} = _____ % V_{H11} = _____ % V_{H13} = _____ %

$V_{H\_\_}$ = _____ % $V_{H\_\_}$ = _____ % $V_{H\_\_}$ = _____ % $V_{H\_\_}$ = _____ % $V_{H\_\_}$ = _____ %

Fundamental current _____ x I_N (where I_N = nominal current based on KVAR and nominal voltage)

Harmonic current capability(relative to I_N)

I_3 = _____ % I_5 = _____ % I_7 = _____ % I_{11} = _____ % I_{13} = _____ %

$I_{\_\_}$ = _____ % $I_{\_\_}$ = _____ % $I_{\_\_}$ = _____ % $I_{\_\_}$ = _____ % $I_{\_\_}$ = _____ %

Core linearity (I_{LIN}):	Max. ambient temperature	Over-temperature switch(es)
____ x I_N (with 0.95 x L_{Nom})	____° Celcius	☐ one ☐ three ☐ N.C. ☐ N.O.

CAPACITOR DATA — Please provide this ratings information about your capacitors

Configuration : specify ☐ Delta or ☐Wye connection

Output	Voltage rating	Micro-Farads
_____ kVAr	_____ Volts (L-L)	_____ uF (per phase)

Company:	Name:	
City:	St/Prov:	PC/ Zip:
Tel:	Fax:	
Email:		

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Specification Submittal Form — Harmonic Filter

acc. UL/CSA file no. 173113

☐ **Use Standard Mangoldt Specification**		**LOW VOLTAGE SPEC**
Phases ☐ 3~ ☐ 1~	System Frequency ☐ 60 hz ☐ 50 hz	System Voltage (V_N) ☐ 600V ☐ 480V ☐ 415V ☐ 240V ☐ 208V
Tuning frequency 4.7 x fundamental frequency (hz)	Inductance / tolerance _____ mH ± 3 % of L_{Nom}	Fundamental current 1.10 x I_N (where I_N = nominal current based on KVAR and nominal voltage)
Harmonic current capability I_5 = 70%, I_7 = 56% (relative to I_N)	Thermal current (I_{RMS}) 1.35 x I_N	Core linearity (I_{LIN}): 2.65 x I_N (with 0.95 x L_{Nom})
Capacitor terminal voltage 1.045 x V_{L-L}	Max. ambient temperature 50° Celcius	Over-temperature switch 1 in center coil ☐ N.C. ☐ N.O

☐ **Use Customer Specification**		**MEDIUM & LOW VOLTAGE SPEC**
Phases ☐ 3~ ☐ 1~	System Frequency ☐ 60 hz ☐ 50 hz	System Voltage (V_N) _____ Volts, specify ☐ L-L or ☐ L-N
Tuning frequency _____ hertz or ☐ _____x fundamental freq. (hz)	Inductance _____ mH	Tolerance + ____ % / - ____ % of L_{Nom}
Harmonic voltage distortion V_{H3} = _____ % V_{H5} = _____ % V_{H7} = _____ % V_{H11} = _____ % V_{H13} = _____ % V_H__ = _____ % V_H__ = _____ % V_H__ = _____ % V_H__ = _____ % V_H__ = _____ %		
Fundamental current _____ x I_N (where I_N = nominal current based on KVAR and nominal voltage)		
Harmonic current capability(relative to I_N) I_3 = _____ % I_5 = _____ % I_7 = _____ % I_{11} = _____ % I_{13} = _____ % I__ = _____ % I__ = _____ % I__ = _____ % I__ = _____ % I__ = _____ %		
Core linearity (I_{LIN}): ____ x I_N (with 0.95 x L_{Nom})	Max. ambient temperature ____° Celcius	Over-temperature switch(es) ☐ one ☐ three ☐ N.C. ☐ N.O.
CAPACITOR DATA — Please provide this ratings information about your capacitors		
Configuration : specify ☐ Delta or ☐Wye connection		
Output _____ kVAr	Voltage rating _____ Volts (L-L)	Micro-Farads _____ uF (per phase)

Company:	Name:	
City:	St/Prov:	PC/ Zip:
Tel:	Fax:	
Email:		