

Three Phases Neutral Line Output Filter 三相四线输出滤波器

三相四线输出滤波器
3-Phases Neutral Line Output Filter



Product Profile 产品简述

Relative small volume at equal power.
Mainly used to suppress the EMI to the equipment in industrial power net.
Provide high performance of effectively suppressing EMI both in line-to-line and line-to-ground.
Available for three phases, four lines series power supply equipments.
This filter can help your equipment meet the requirements of EMC category C2 and C3.

同等功率下相对较小的体积；
主要用来抑制工业电网通过电源线对设备的电磁干扰；
对线-线和线-地间干扰具有优良的抑制力；
适用于三相四线制供电设备。
该滤波器可使您的设备满足C2, C3类产品关于电磁干扰的要求。

Technical Standards

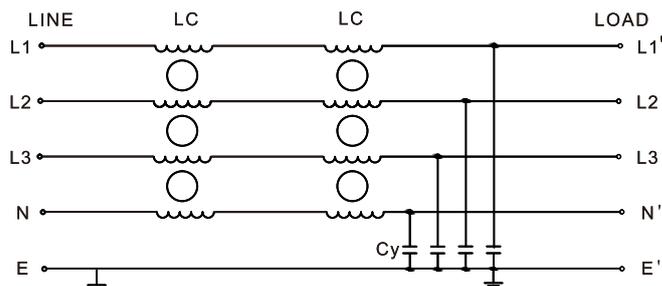
IEC/EN60939,GB/T15287-94,UL1283,GB7343-1987,DB/T14472(IEC384-14)

Product Parameters 产品参数

Rated Voltage:	AC440V
Test Voltage (1 minute):	Line to Line DC 1750V; Line To Ground AC 2000V
Operating Frequency:	50/60Hz
Range of Temperature:	-25°C ~ 85°C
Rated Current:	3-1600A
EMC category	Meet the requirements of C2 and C3

额定电压:	AC 440V
试验电压 (1分钟):	线至线DC 1750V 线至地AC 2000V
工作频率:	50/60Hz
范围温度:	-25°C ~ 85°C
额定电流:	3-1600A
EMC类别	符合C2、C3要求

Electrical Diagram 电气原理图



Product Size 产品尺寸图

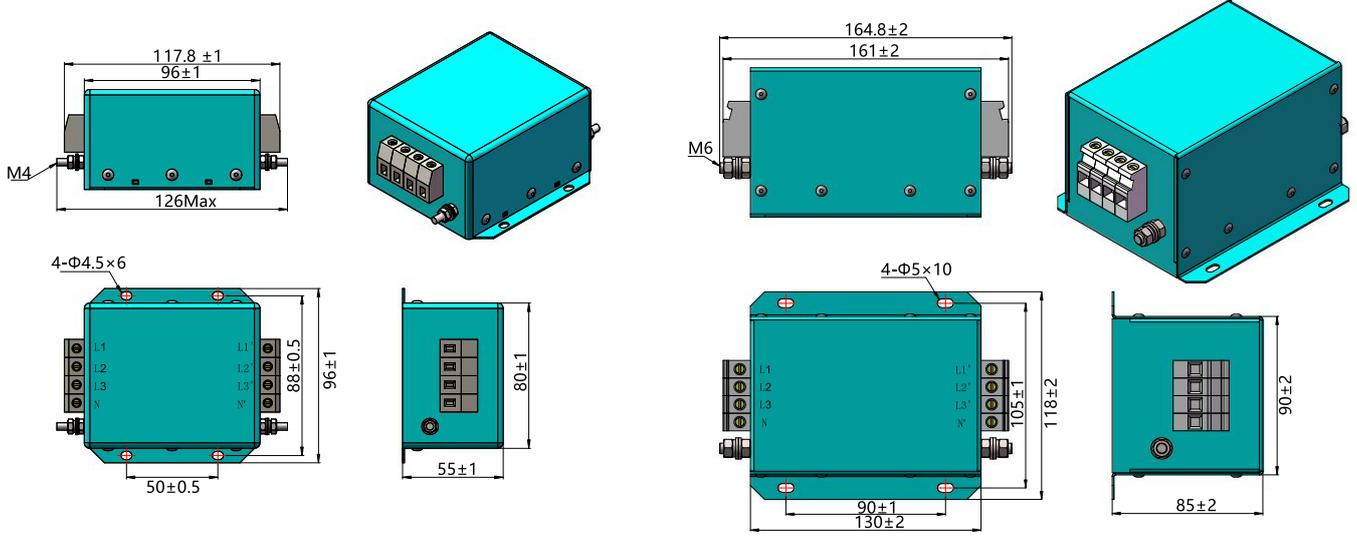


Fig. A

Fig. B

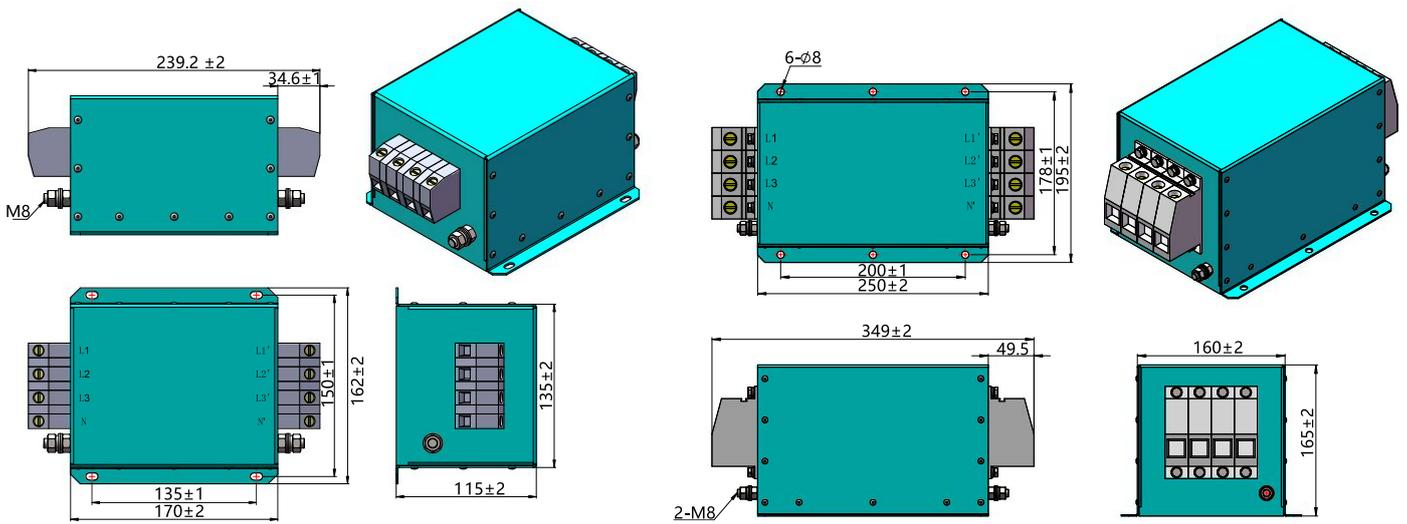


Fig. C

Fig. D

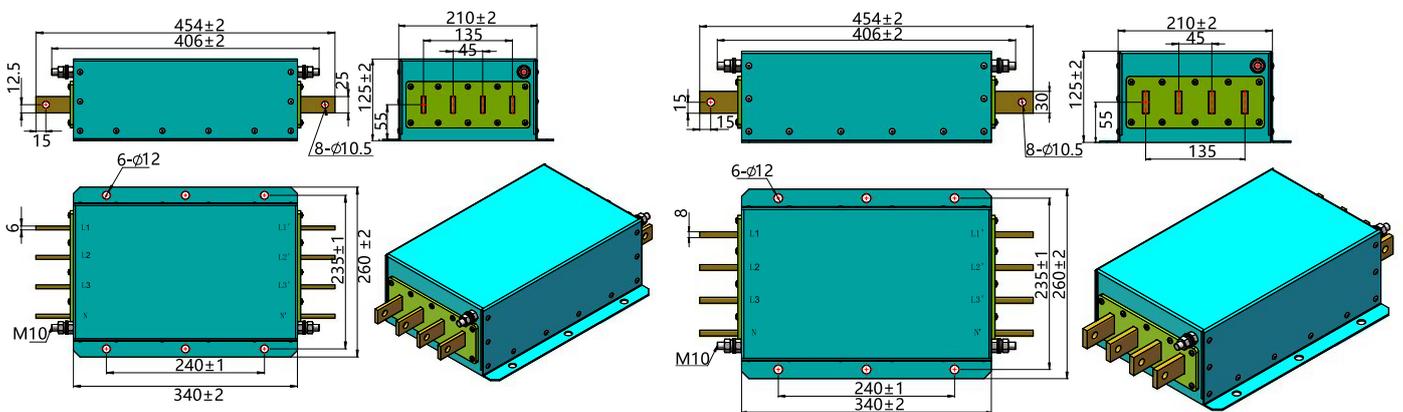


Fig. E

Fig. F

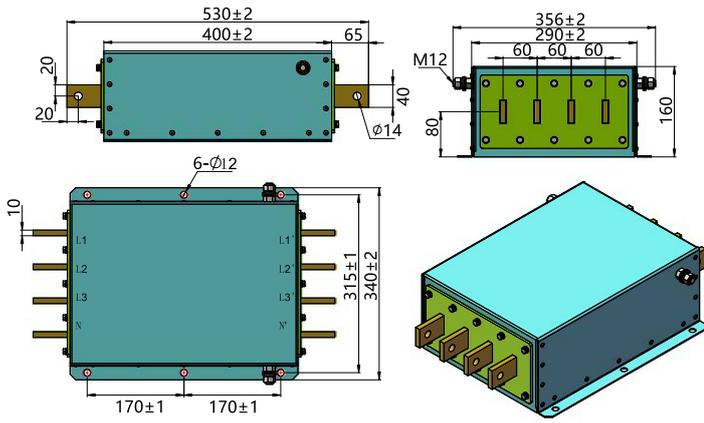


Fig. G

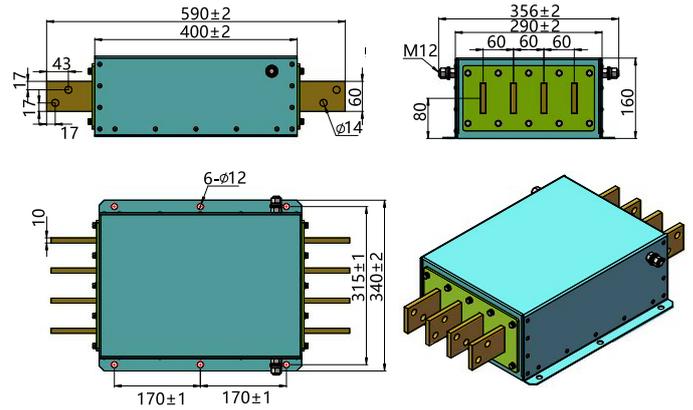
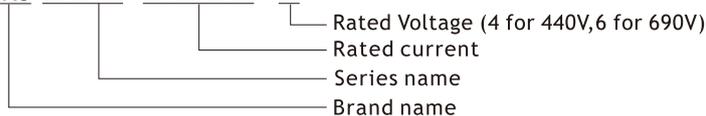


Fig. H

Selection Table

Type	Dimension Fig.	Rated Current (A)	Rated Voltage	Leakage Current (mA)	Connection Mode	Insulation Resistance	Weight (kg)
SKS-TFO-0003/4-T	Fig. A	3	440VAC	≤1.2	Terminals	≥500(MΩ)	0.8
SKS-TFO-0005/4-T	Fig. A	5	440VAC	≤1.2	Terminals	≥500(MΩ)	0.8
SKS-TFO-0010/4-T	Fig. A	10	440VAC	≤1.2	Terminals	≥500(MΩ)	1.2
SKS-TFO-0015/4-T	Fig. B	15	440VAC	≤1.2	Terminals	≥500(MΩ)	1.2
SKS-TFO-0020/4-T	Fig. B	20	440VAC	≤1.2	Terminals	≥500(MΩ)	2.0
SKS-TFO-0030/4-T	Fig. B	30	440VAC	≤1.6	Terminals	≥500(MΩ)	2.0
SKS-TFO-0040/4-T	Fig. B	40	440VAC	≤1.6	Terminals	≥500(MΩ)	2.5
SKS-TFO-0050/4-T	Fig. B	50	440VAC	≤1.6	Terminals	≥500(MΩ)	2.5
SKS-TFO-0060/4-T	Fig. C	60	440VAC	≤1.6	Terminals	≥500(MΩ)	4.5
SKS-TFO-0080/4-T	Fig. C	80	440VAC	≤2.0	Terminals	≥500(MΩ)	4.5
SKS-TFO-0100/4-T	Fig. C	100	440VAC	≤2.0	Terminals	≥500(MΩ)	4.5
SKS-TFO-0120/4-T	Fig.D	120	440VAC	≤2.0	Terminals	≥500(MΩ)	6.5
SKS-TFO-0150/4-T	Fig.D	150	440VAC	≤2.0	Terminals	≥500(MΩ)	6.5
SKS-TFO-0200/4-T	Fig.D	200	440VAC	≤2.0	Terminals	≥500(MΩ)	7.5
SKS-TFO-0250/4-C	Fig.E	250	440VAC	≤3.5	Copper bar	≥200(MΩ)	15.0
SKS-TFO-0300/4-C	Fig.E	300	440VAC	≤3.5	Copper bar	≥200(MΩ)	15.0
SKS-TFO-0400/4-C	Fig.E	400	440VAC	≤3.5	Copper bar	≥200(MΩ)	15.0
SKS-TFO-0450/4-C	Fig.F	450	440VAC	≤3.5	Copper bar	≥200(MΩ)	16.5
SKS-TFO-0500/4-C	Fig.F	500	440VAC	≤3.5	Copper bar	≥200(MΩ)	16.5
SKS-TFO-0600/4-C	Fig.F	600	440VAC	≤3.5	Copper bar	≥200(MΩ)	16.5
SKS-TFO-0650/4-C	Fig.F	650	440VAC	≤3.5	Copper bar	≥200(MΩ)	16.5
SKS-TFO-0800/4-C	Fig.G	800	440VAC	≤3.5	Copper bar	≥200(MΩ)	28
SKS-TFO-1000/4-C	Fig.G	1000	440VAC	≤3.5	Copper bar	≥200(MΩ)	28
SKS-TFO-1200/4-C	Fig.G	1200	440VAC	≤3.5	Copper bar	≥200(MΩ)	28
SKS-TFO-1300/4-C	Fig.H	1300	440VAC	≤3.5	Copper bar	≥200(MΩ)	38
SKS-TFO-1400/4-C	Fig.H	1400	440VAC	≤3.5	Copper bar	≥200(MΩ)	38
SKS-TFO-1600/4-C	Fig.H	1600	440VAC	≤3.5	Copper bar	≥200(MΩ)	38

Model Rules: SKS-□□□-□□□□□/□

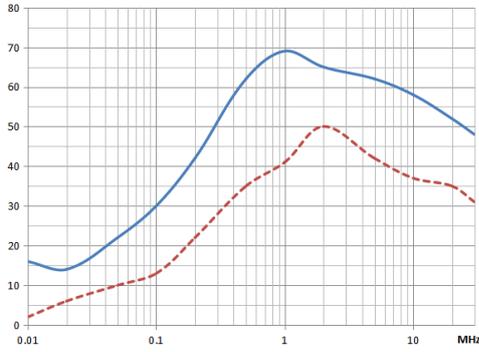


Insertion Loss 插入损耗

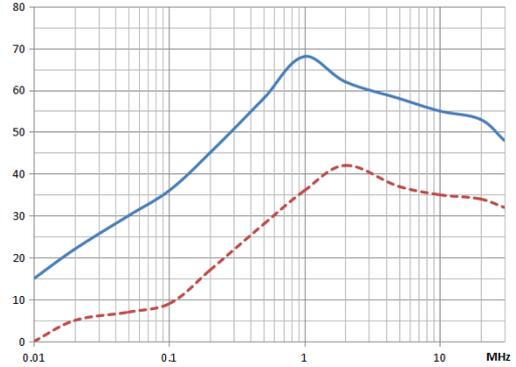
Note: The insertion loss is measured by IEC/CISPR 17 under the no-load 50Ω-50Ω test system. The final effect is based on the actual working condition data.

———— Common Mode
 - - - - - Differential Mode

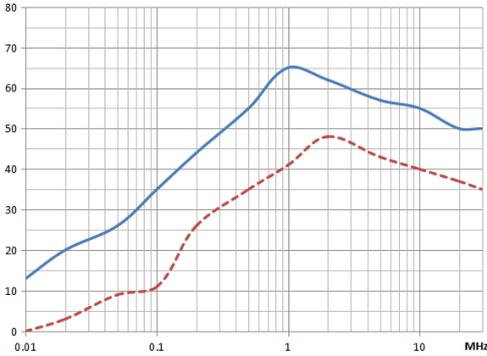
3~10A



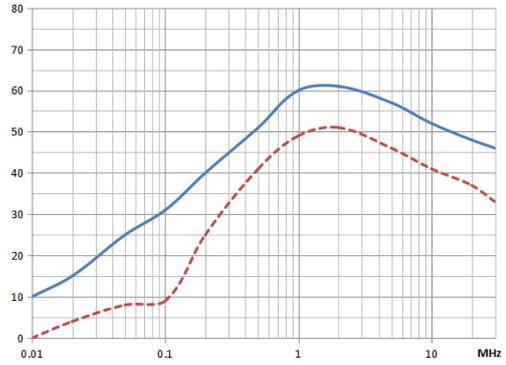
15~25A



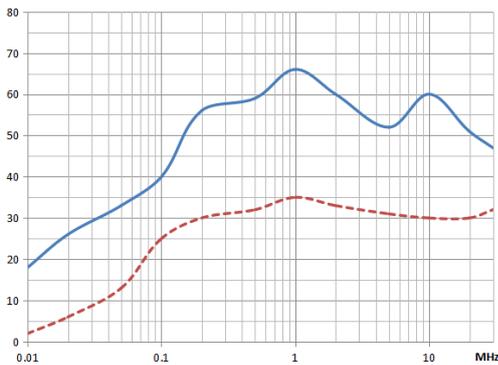
30~40A



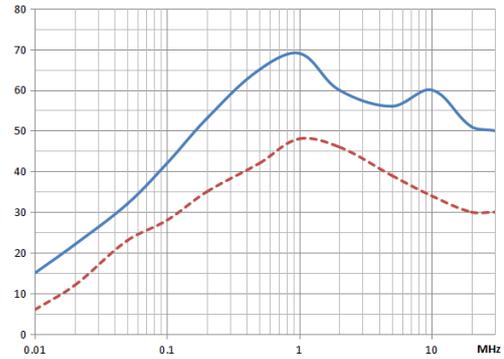
45~50A



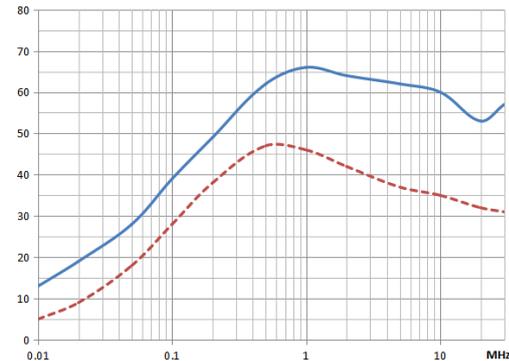
55~65A



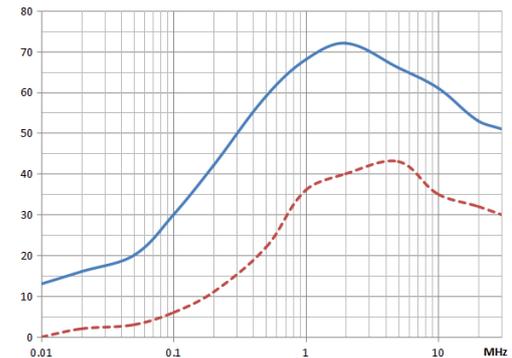
80A

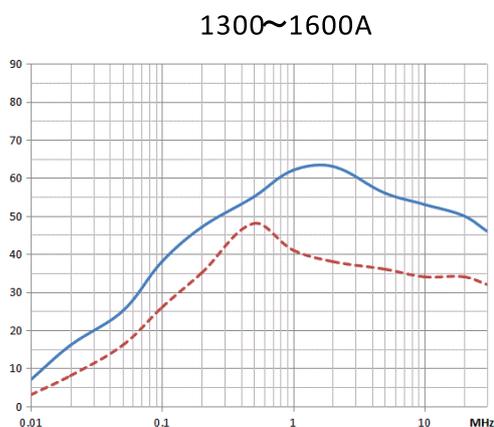
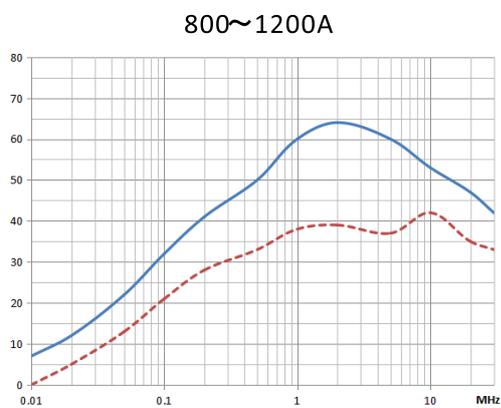
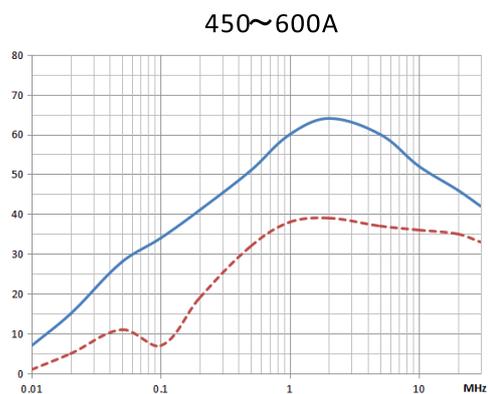
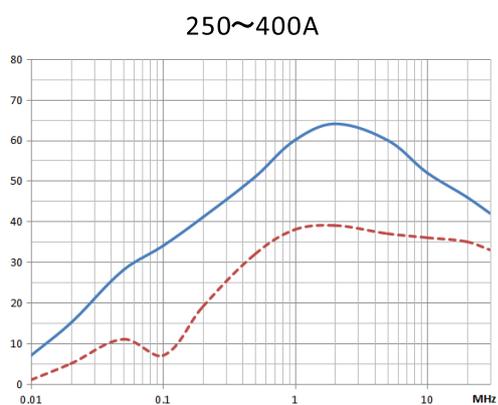
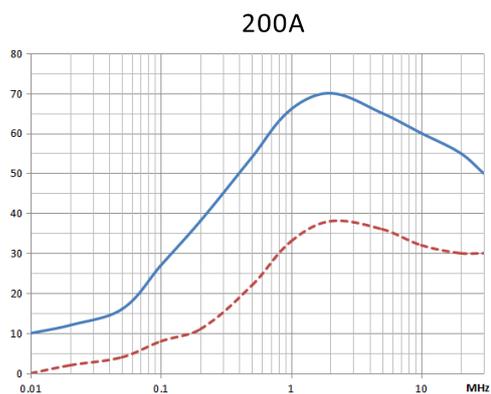
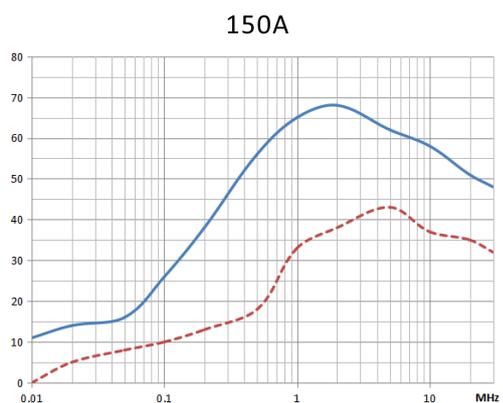


100A



120A





共模 ——— 差模 - - - - -

*注：插入损耗根据IEC/CISPR17，在空载50Ω—50Ω测试系统下测得，最终效果以在实际工作状态下数据为准。