产品及应用 PRODUCTS APPLICATIONS

- 该系列干式铁芯串联电抗器用于低压无功补偿柜中，与电容器相串联。当低压电网中有大量整流、变流装置等谐波源时，其产生的高次谐波会严重危害主变及其它电器设备的安全运行
- 电抗器与电容器相串联后，能有效地抑制电网谐波，改善系统的电压波形，提高系统的功率因数，并能有效地减小合闸涌流及操作过电压，保证了电容器的安全运行
- 铁心采用优质低损耗冷轧硅钢片，铁心柱由多个气隙分成均匀小段，气隙采用环氧层压玻璃布板作间隔，气隙间及铁饼与铁轭间采用耐高温高强度粘接剂粘接，以保证电抗气隙在运行过程中不发生变化，同时有效减少铁芯饼之间的震动，从而降低噪升
- 线圈采用F／H级漆包铜扁线或漆包铝扁线绕制，排列紧密且均匀，有较好的散热性能
- 电抗器的线圈和铁芯组装成一体后经过预烘→真空浸漆一热烘固化这一工艺流程，采用F／H级浸渍漆，使电抗器的线圈和铁芯丰固地结合在一起，不但减小了运行时的噪声，而且具有极高的耐热等级，可确保电抗器在高温下亦能安全低噪音地运行

- This series of dry-core series reactors are used in low-voltage reactive power compensation cabinets, connected in series with capacitors. When there are a number of rectifiers and other harmonic sources in the low-voltage grid, the higher harmonics they generate can seriously endanger the safe operation of the main transformer and electrical equipment.
- When the reactor is connected in series with the capacitor, it can effectively suppress the harmonics of the power grid, improve the voltage waveform of the system, increase the power factor of the system, and effectively reduce the inrush current and switching overvoltage, ensuring the safe operation of the capacitor.
- The core is made of high-quality, low-loss cold-rolled silicon steel sheets, and the core column is divided into uniform segments by multiple air gaps. The air gaps are separated by epoxy laminated glass cloth boards, and the air gaps and the core discs are bonded with high-temperature resistant and high-strength adhesive to ensure that the air gaps in the reactor do not change during operation. At the same time, it effectively reduces the vibration between the core discs, thereby reducing noise.
- The coil is made of F/H class enameled copper flat wire or enameled aluminum flat wire, with tight and uniform arrangement, and good heat dissipation performance.
- The reactor's coil and core are assembled into one unit and then go through the pre-baking → vacuum impregnation → heat curing process. Using F/H grade impregnation varnish, the reactor's coil and core are firmly combined into one unit, which not only reduces the noise during operation but also has a very high heat resistance rating. This ensures that the reactor can operate safely and quietly at high temperatures.

技术参数 SPECIFICATION

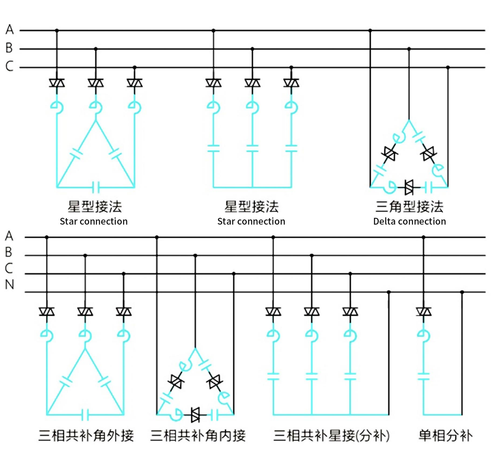
1、 电容器电压：450V
2 、电抗率：6% 7% 12% 13% 14%
3、 电抗器容量：0.3~14KVAR
4、 防护等级：IP00
5、 耐压：3000V
6、 电容器容量：2~100KVAR
7、 电感量：0.5~57.4 MH
8、 绝缘等级：F／H级

1、 Capacitor voltage: 450V
2 、Reactive power rate: 6% 7% 12% 13% 14%
3、 Reactor capacity: 0.3~14KVAR
4、 Protection level: IP00
5、 Withstand voltage: 3000V
6、 Capacitor capacity: 2~100KVAR
7、 Inductance: 0.5~57.4 mH
8、 Insulation class: F/H class

reactance rate电抗率7%

电抗器型号 REACTOR MODEL	匹配电容器容量kVar MATCHING CAPACITOR CAPACITY	电抗器容量 kVar REACTOR CAPACITY	电感量 mH INDUCTANCE	外形尺寸 OVERALL DIMENSIONS			安装尺寸 INSTALLATION DIMENSIONS		
				L	W	H	A	B	安装孔 MOUNTING HOLE
CKSG-0.35/0.48 -7%	5	0.35	10.3	150	90	150	85	70	7×12
CKSG-0.7/0.48 -7%	10	0.7	5.14	180	150	155	100	95	10×20
CKSG-1.05/0.48 -7%	15	1.05	3.43	180	150	155	100	95	10×20
CKSG-1.4/0.48 -7%	20	1.4	2.57	210	150	192	100	95	10×20
CKSG-1.75/0.48 -7%	25	1.75	2	240	150	210	150	95	10×20
CKSG-2.1/0.48 -7%	30	2.1	1.7	240	157	230	150	110	10×20
CKSG-2.8/0.48 -7%	40	2.8	1.3	240	167	230	150	113	10×20
CKSG-3.5/0.48 -7%	50	3.5	1	260	167	250	150	113	10×20
CKSG-4.2/0.48 -7%	60	4.2	0.9	260	185	260	150	134	10×20
CKSG-4.9/0.48 -7%	70	4.9	0.7	300	175	270	150	124	10×20
CKSG-5.6/0.48 -7%	80	5.6	0.6	300	175	290	150	124	10×20
CKSG-6.3/0.48 -7%	90	6.3	0.6	300	185	290	150	134	10×20
CKSG -7.0/0.48 -7%	100	7	0.5	300	195	290	150	144	10×20

reactance rate电抗率14%

电抗器型号 REACTOR MODEL	匹配电容器容量kVar MATCHING CAPACITOR CAPACITY	电抗器容量 kVar REACTOR CAPACITY	电感量 mH INDUCTANCE	外形尺寸 OVERALL DIMENSIONS			安装尺寸 INSTALLATION DIMENSIONS		
				L	W	H	A	B	安装孔 MOUNTING HOLE
CKSG-0.3/0.525-14%	2	0.3	57.4	150	90	150	85	70	7×12
CKSG-0.45/0.525-14%	3	0.45	38.2	150	90	150	85	70	7×12
CKSG-0.6/0.525-14%	4	0.6	28.7	180	150	155	100	95	10×20
CKSG-0.9/0.525-14%	6	0.9	19.1	180	150	155	100	95	10×20
CKSG-1.4/0.525-14%	10	1.4	12.3	210	150	192	100	95	10×20
CKSG-1.8/0.525-14%	13	1.8	9.6	240	150	210	150	95	10×20
CKSG-2.1/0.525-14%	15	2.1	8.2	240	157	230	150	110	10×20
CKSG-2.8/0.525-14%	20	2.8	6.1	240	157	230	150	110	10×20
CKSG-3.5/0.525-14%	25	3.5	4.9	300	170	250	150	110	10×20
CKSG-4.2/0.525-14%	30	4.2	4.1	300	175	250	150	124	10×20
CKSG-5.6/0.525-14%	40	5.6	3.1	300	175	290	150	124	10×20
CKSG-7.0/0.525-14%	50	7	2.5	300	197	290	150	146	10×20
CKSG-8.4/0.525-14%	60	8.4	2	300	214	290	200	164	10×20
CKSG-9.8/0.525-14%	70	9.8	1.8	360	197	310	200	146	10×20
CKSG-11.2/0.525-14%	80	11.2	1.5	360	197	330	200	146	10×20
CKSG-12.6/0.525-14%	90	12.6	1.4	360	217	330	200	166	10×20
CKSG-14/0.525-14%	100	14	1.2	360	217	330	200	166	10×20

接线方式 WIRING METHOD