

三相输入电抗器介绍: Product Introduction

1. 输入电抗器也称进线电抗器，属于限流设备，用于驱动器的输入侧，保护交流驱动器不受瞬态超压的影响。
2. 有降低浪涌和峰值电流，提高真实功率因数，抑制电网谐波，改善输入电流波形的作用。

1. An input reactor, also known as a line reactor, is a type of current-limiting device installed at the input of a drive to protect the AC drive from transient overvoltage
2. It has the effect of reducing surges and peak currents, improving the true power factor, suppressing power grid harmonics, and improving the input current



产品应用场景: Product Application

在下列环境下推荐使用进线电抗器:

- 1.几个变频器并联紧密连接
- 2.线路电源有来自其他设备的明显扰动（干扰，过电压）
- 3.线路电源各相之间存在电压不平衡，超过额定电压的1.8%
- 4.在同一线路上安装有大量的变频器
- 5.减小COS ϕ 校正电容器上的过载，如果装置中含有一个功率系数校正设备

Particularly apply to the following cases:

1. Multiple frequency inverters in close parallel connection
2. Other devices produce interference to line power supply, (disturbance, over voltage)
3. Nonbalance among phases of line power supply, 1.8% over than of the rated voltage
4. Massive frequency inverters installed on the same line

技术规格: Technical Specifications

工作电压Work Voltage:	380-400V
工作频率Work Frequency:	50/60Hz
工作电流: Work Current:	6-3000A@40°C
绝缘等级Insulation Class:	class F,H 可选
防护等级Protection Class:	IP00
压降Voltage drop:	< 4%, 大于此范围会引起转矩损失
过载电流Overcurrent:	1.5倍额定电流, 持续60S
噪音Noise:	≤65dB
温升Temperature Rise:	≤85K
抗电强度Dielectric strength:	铁芯-绕组3000VAC/50HZ/5MA/10S无飞弧击穿（工厂测试）
绝缘电阻Insulation Resistor:	1000VDC绝缘阻值≥100MΩ

使用环境: Usage environment

- 1.运行温度-10至+45℃, 额定值不会降低。
 - 2.上限可达+55℃, 在45℃以上, 每升高1℃, 额定电流降低2%, 海拔高度不超过2000米。
 - 3.运行环境温度-25℃至+45℃, 相对湿度不超过90%。
 - 4.周围无有害气体, 无易燃易爆物品, 有良好的通风条件, 如装在柜内, 应加装通风设备
- Operation Environment: -10~+45℃, rated value won't lower, when higher than 55℃, and every 1℃, the current will step down 2%, Under seal level 2000m Running ambient temperature -25℃ ~+45℃, comparative moisture moisture not over 90% No hazardous gas, no inflammables and explosives With well-ventilated condition, ventilation devices shall be mounted if installation in panels.

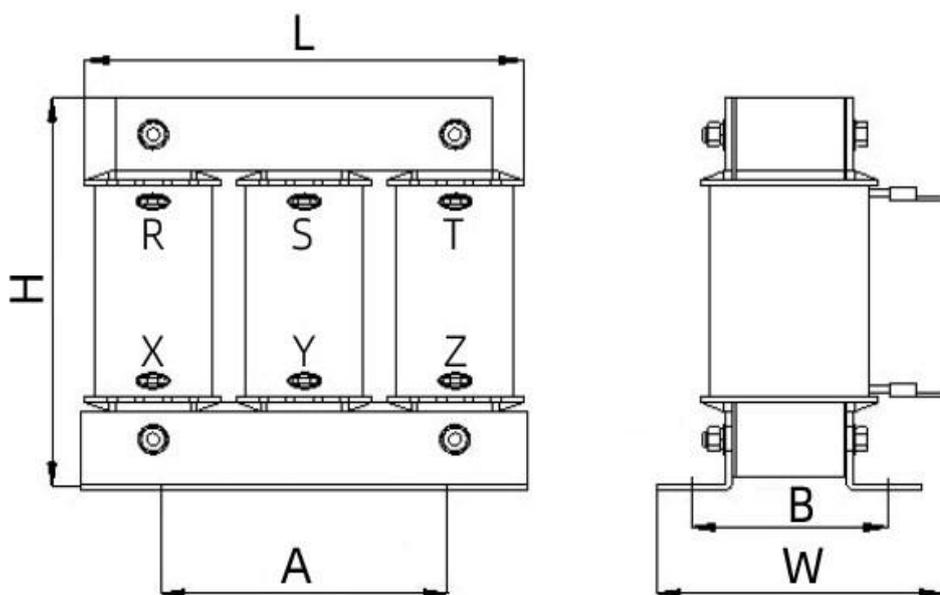
执行标准: Applicable Standards

IEC289:1987 Reactor

GB10229-88 Reactor (equiv IEC289:1987)

JB9644-1999 Reactors used for semiconductor electrical driving

产品尺寸图: Product Size

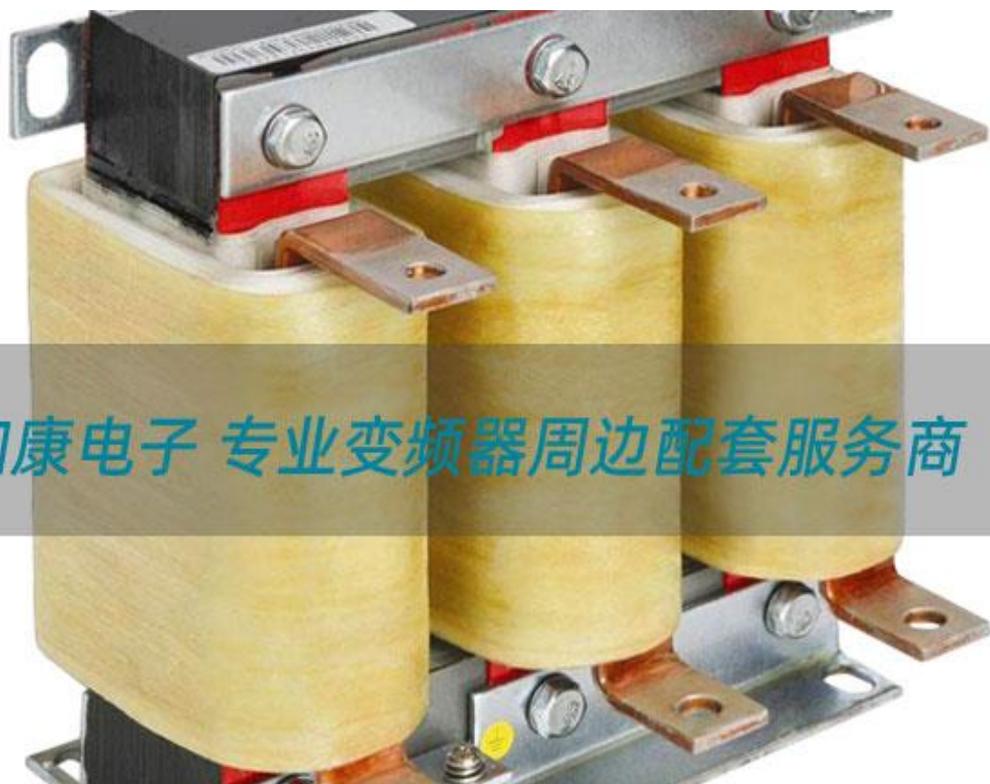


选型表: Selection Table

型号 Type	电流 A Rated Current	压降2% Voltage Drop	适配功率 KW Power	外形尺寸mm L*W*H Dimension(mm)	安装尺寸mm A*B
DN-ACI-10	10	2%	0.75-3	150*100*155	80*60
DN-ACI-15	15	2%	3.7-5.5	150*100*155	80*60
DN-ACI-20	20	2%	7.5	150*100*155	80*60
DN-ACI-30	30	2%	11	155*140*140	95*73
DN-ACI-40	40	2%	15	155*150*140	120*78
DN-ACI-50	50	2%	18.5	195*160*165	120*85

DN-ACI-60	60	2%	22	195*160*165	120*85
DN-ACI-80	80	2%	30	195*160*175	120*85
DN-ACI-90	90	2%	37	195*170*175	120*92
DN-ACI-120	120	2%	45	195*180*190	120*105
DN-ACI-150	150	2%	55	195*180*190	120*105
DN-ACI-200	200	2%	75	250*180*240	172*88
DN-ACI-250	250	2%	90-110	250*190*240	172*98
DN-ACI-290	290	2%	132	290*200*250	204*102
DN-ACI-330	330	2%	160	290*205*260	204*107
DN-ACI-390	390	2%	185	290*205*260	204*107
DN-ACI-490	490	2%	200-220	320*230*300	243*112
DN-ACI-600	600	2%	250-280	320*260*310	243*126
DN-ACI-660	660	2%	315	320*260*310	243*126
DN-ACI-800	800	2%	355-380	365*295*380	260*145
DN-ACI-1000	1000	2%	400-450	365*300*380	260*150
DN-ACI-1200	1200	2%	500-550	365*310*400	260*170
DN-ACI-1600	1600	2%	630	365*320*400	260*180

接线示意图: Wiring diagram



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