

交流输入电抗器 (ACR) AC Input Reactor

产品概述 (Product Introduction)

进线电抗器可被用于给线路电源提供改进的过载保护,并能减小变频器产生的电流谐波失真。提高输入电源的功率因素,减少高次谐波,抑制变频器在电源设备上的浪涌。

Input reactors offer overload to line power supply and reduce ultraharmonic distortion arising from frequency inverters,also improve the input supply,reduce ultraharmonic and suppress the surge caused by frequency inverters to the power supply units.

产品应用 (Product Application)

特别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 $\cos \phi$ 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
5. Reduce $\cos \phi$ and correct the overload of capacitor, in case the power factor correction devices are installed in system

技术规格 (Technical Specifications)

工作电压 Work Voltage:	220VAC-3300VAC
工作频率 Work Frequency:	50/60Hz.
工作电流 Work Current:	3A-1600A
绝缘等级 Insulation Class:	class F,H
防护等级 Protection class:	IP00-IP22
压降 Voltage drop:	< 4% 大于此范围会引起转矩损失
最大电流 Max Current:	1.5× 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: -10~+45 °C, 额定值不会降低。最高可达+55°C, 在45°C以上,

每升高1°C, 额定电流降低2%, 海拔高度不超过2000米。

运行环境温度 -25°C~+45°C, 相对湿度不超过90%。

周围无有害气体, 无易燃易爆物品。

周围环境应有良好的通风条件, 如装在柜内, 应加装通风设备。

Operation Environment: -10~+45 °C, rated value won't lower, when higher than 55°C, and every 1°C, the current will step down 2%, Under seal level 2000m

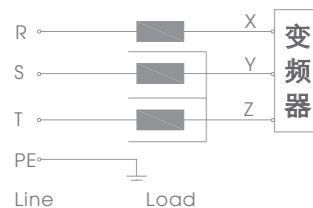
Running ambient temperature -25 °C ~ +45 °C, comparative moisture not over 90%.

No hazardous gas, no inflammables and explosives

With well-ventilated condition, ventilation devices shall be mounted if installation in panels



典型电路图



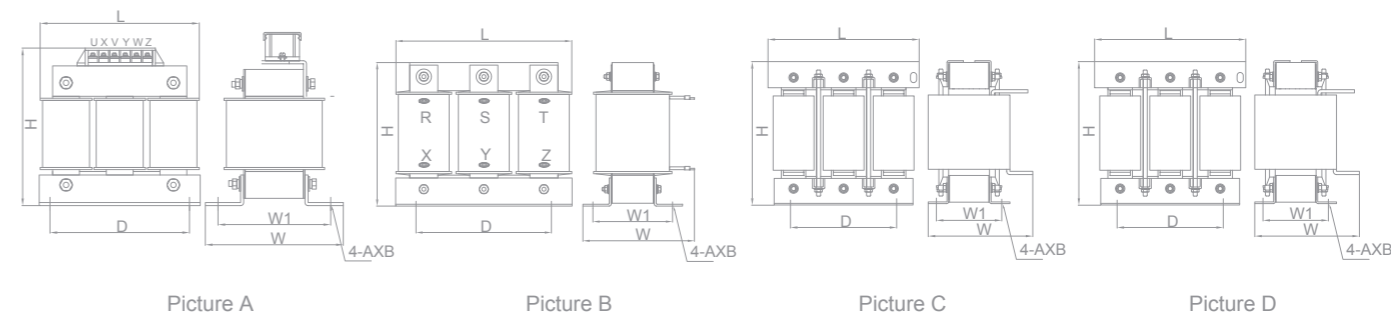
执行标准 (Applicable Standards)

IEC289: 1987 Reactor

GB10229-88 Reactor (equiv IEC289: 1987)

JB9644-1999 Reactors used for semiconductor electrical driving

产品尺寸图 (Product Size)



380V输入电抗器 380V AC Input Reactor

电抗器型号 Reactor Type	图号 Picture NO.	适配 功率 Power (kw)	额定 电流 Rated Current(A)	电感量 Inductance Value(mH)	压降 Voltage Drop	绝缘等级 Insulation rank	尺寸 Dimension(±5mm)					
							L	D	W	W1	H	A×B
ACR-0005-2M80-0.4SC	图 A Picture A	1.5	5	2.8	2%	F、H	115	90	95	68	135	6X11
ACR-0007-2M00-0.4SC		2.2	7	2	2%	F、H	115	90	95	68	135	6X11
ACR-0010-1M40-0.4SC		3.7	10	1.4	2%	F、H	115	90	95	68	135	6X11
ACR-0015-0M94-0.4SC		5.5	15	0.94	2%	F、H	115	90	95	68	135	6X11
ACR-0020-0M70-0.4SC	图 B Picture B	7.5	20	0.7	2%	F、H	155	95	80	61	170	6×15
ACR-0030-0M47-0.4SC		11	30	0.47	2%	F、H	155	95	130	63	135	6×15
ACR-0040-0M36-0.4SC		15	40	0.36	2%	F、H	155	95	140	76	135	6×15
ACR-0050-0M28-0.4SC		18.5	50	0.28	2%	F、H	155	95	140	76	135	6×15
ACR-0060-0M24-0.4SC		22	60	0.24	2%	F、H	195	120	150	72	165	8.5×20
ACR-0080-0M18-0.4SC		30	80	0.18	2%	F、H	195	120	150	92	165	8.5×20
ACR-0090-0M16-0.4SC	图 C Picture C	37	90	0.156	2%	F、H	195	120	150	92	165	8.5×20
ACR-0120-0M12-0.4SA		45	120	0.117	2%	F、H	230	150	170	83	220	11×18
ACR-0150-094U-0.4SA		55	150	0.094	2%	F、H	230	150	170	88	220	11×18
ACR-0200-070U-0.4SA		75	200	0.07	2%	F、H	250	182	175	98	230	11×18
ACR-0250-056U-0.4SA		110	250	0.056	2%	F、H	250	182	175	98	230	11×18
ACR-0290-048U-0.4SA		132	290	0.048	2%	F、H	290	214	200	102	250	11×18
ACR-0330-042U-0.4SA		160	330	0.042	2%	F、H	290	214	200	102	250	11×18
ACR-0390-036U-0.4SA		185	390	0.036	2%	F、H	290	214	205	107	250	11×18
ACR-0490-028U-0.4SA		220	490	0.028	2%	F、H	320	243	230	125	320	12×20
ACR-0600-024U-0.4SA		280	600	0.024	2%	F、H	320	243	250	140	320	12×20
ACR-0660-022U-0.4SA	300	660	0.022	2%	F、H	320	243	250	140	320	12×20	
ACR-0800-17U5-0.4SA	图 D Picture D	380	800	0.0175	2%	F、H	365	260	280	135	390	15×25
ACR-1000-014U-0.4SA		450	1000	0.014	2%	F、H	365	260	280	135	390	15×25
ACR-1200-11U7-0.4SA		550	1200	0.0117	2%	F、H	395	275	340	160	390	15×25
ACR-1600-08U6-0.4SA		630	1600	0.0086	2%	F、H	395	275	340	160	435	15×25

备注: 其他规格尺寸, 可根据用户要求制造。Remark: Dimension can be customization