交流输入电抗器(ACL) 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 orrer overload to line power supply and reduce harmonic 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COSϕ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 cosϕ 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:	1.5X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

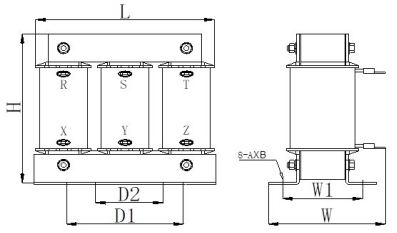
使用环境:–10~+45℃,额定值不会降低。最高可达+55℃,在45℃以上。
每升高1℃,额定电流降低2%,海拔高度不超过2000米。
运行环境温度–25℃~+45℃,相对湿度不超过90%。
周围无有害气体,无易燃易爆物品。
周围环境应有良好的通风条件,如装在柜内,应加装通风设备。

Operation Environment:–10~+45℃,rated value wont't lower,when higer than 55℃,and every 1℃,thecurrent will step down 2%,Under seal level 2000m
Running ambient temperature–25℃~+45℃,comparative moisture moisture not over90%
No hazardous gas,no inflammables and explosives
With well–ventilated condition,ventilation devices shall be mounted if installation in panels

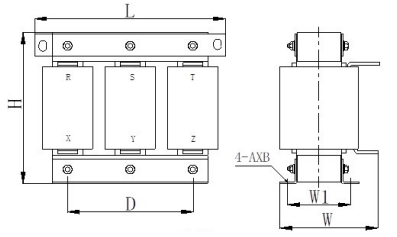
执行标准(Applicable Standards)

IEC289:1987 Reactor　　GB10229–88 Reactor(eqvIEC289:1987)
JB9644–1999 Reactors used for semiconductor electrical driving

产品尺寸图(Product Size)



图一



图二

型号 Type	电流 Rated Current (A)	电感量 Induc - tance Value (mH)	压降 Voltage Drop	适配变频器功率 Power (KW)	图号 Picture	尺寸 Dimension(mm)					
						L (max)	W (max)	H (max)	D1 ± 2	W1 ± 3	4–AXB
ACL–0005–2M80–0.4SC	5	2.8	2%	1.5	图一	120	110	140	65	60	6X11
ACL–0008–2M00–0.4SC	8	2	2%	2.2		120	110	140	65	60	6X11
ACL–0010–1M40–0.4SC	10	1.4	2%	3.7		120	110	140	65	60	6X11
ACL–0015–0M94–0.4SC	15	0.94	2%	5.5		120	110	140	65	60	6X11
ACL–0020–0M70–0.4SC	20	0.7	2%	7.5		155	140	140	95	73	6X15
ACL–0030–0M47–0.4SC	30	0.47	2%	11		155	140	140	95	73	6X15
ACL–0040–0M36–0.4SC	40	0.36	2%	15		155	150	140	120	78	6X15
ACL–0050–0M28–0.4SC	50	0.28	2%	18.5		195	160	165	120	85	8.5X20
ACL–0060–0M24–0.4SC	60	0.24	2%	22		195	160	165	120	85	8.5X20
ACL–0080–0M18–0.4SC	80	0.18	2%	30		195	160	175	120	85	8.5X20
ACL–0090–0M16–0.4SC	90	0.16	2%	37		195	170	175	120	92	8.5X20
ACL–0120–0M12–0.4SC	120	0.12	2%	45		195	180	190	120	105	8.5X20
ACL–0150–094U–0.4SC	150	0.094	2%	55		195	180	190	120	105	8.5X20
ACL–0120–0M12–0.4SC	120	0.12	2%	45	图二	230	180	230	162	80	11X18
ACL–0150–094U–0.4SC	150	0.094	2%	55		230	180	230	162	80	11X18
ACL–0200–070U–0.4SC	200	0.07	2%	75–90		250	180	240	172	88	11X18
ACL–0250–056U–0.4SC	250	0.056	2%	110		250	190	240	172	98	11X18
ACL–0290–048U–0.4SC	290	0.048	2%	132		290	200	250	204	102	11X18
ACL–0330–042U–0.4SC	330	0.042	2%	160		290	205	260	204	107	11X18
ACL–0390–036U–0.4SC	390	0.036	2%	185		290	205	260	204	107	11X18
ACL–0490–028U–0.4SC	500	0.028	2%	200–220		320	230	300	243	112	11X18
ACL–0600–024U–0.4SC	600	0.024	2%	250–280		320	260	310	243	126	11X18
ACL–0660–022U–0.4SC	660	0.022	2%	315		320	260	310	243	126	11X18
ACL–0800–17U5–0.4SC	800	0.0175	2%	355–380		365	295	380	260	145	15X25
ACL–1000–14U0–0.4SC	1000	0.014	2%	400–450		365	300	380	260	150	15X25
ACL–1200–11U7–0.4SC	1200	0.0117	2%	500–550		365	310	400	260	170	15X25
ACL–1600–08U6–0.4SC	1600	0.0086	2%	630		365	320	400	260	180	15X25

产品选择指引(Selection guide)

ACL	0290	048U	0.4SC
ACL:输入电抗器 AC Input Reactor	额定电流 (5A–1600A)	电感量 M:mH U:uH	0.4:工作电压 0.2 220V 0.4 380V 0.6 690V 1.1 1140V S:S 三相电抗器 D 单相电抗器 C:C 铜材 L 铝材