

交流输出电抗器(OCL) AC Output Reactor

■ 产品概述(Product Introduction)

安装在变频器输出端,用于限制变频器与电机连接电缆的容性充电电流,钝化变频器输出的PWM波的电压上升率。电机电缆长度超过一定值时,建议在变频器与电机之间插入一个电机电抗器。用于补偿在长导线时的电容再充电电流。此最大长度决定于变频器的额定值以及电机电缆的类型。

The input reactor is mounted at the output of the frequency inverter. It is used for limiting the capacitive charging current of the connection cable between the frequency inverter and the motor, and passivating the voltage buildup rate of PWM from the frequency inverter and the motor.



■ 产品应用(Product Application)

1. 将dv/dt限制到500V/US
 2. 将电机端子上的过电压限制到:1000V至400V~(rms值)1150V至460V~(rms值)
 3. 打开滤波器与电机之间的接触器所引起的滤波器干扰
 4. 减小电机接地泄露电流
- 1.Limit dv/dt to 500V/us
 - 2.Limit the overvoltage of motor terminal to :1000V to 400V~(rms)
 - 3.The interference occurred from the contactor between the motor and the filter
 - 4.Reduce the earth leakage current of motor

■ 技术规格(Technical Specifications)

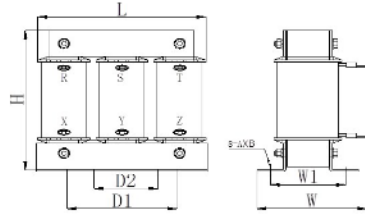
1. 工作电压:220VAC-3300VAC
 2. 工作频率:50/60Hz.
 3. 额定电流:3A-1600A
 4. 载波频率:2-8KHz.
 5. 绝缘等级: class F,H
 6. 使用环境: -10~+45℃, 额定值不会降低。最高可达+55℃, 在45℃以上, 每升高1℃, 额定电流降低2%
 7. 防护等级: IP00-IP22
 8. 压降: < 4% 大于此范围会引起转矩损失
 9. 最大电流: 1.5 × 额定电流, 持续60S
 10. 噪音: ≤65dB
 11. 温升: ≤85K
 12. 抗电强度: 铁芯-绕组3000VAC/50Hz/5mA/10s 无飞弧击穿(工厂测试)
 13. 绝缘电阻: 1000VDC 绝缘阻值≥100MΩ
 14. 海拔高度不超过2000米
 15. 运行环境温度-25℃~+45℃, 相对湿度不超过90%
 16. 周围无有害气体, 无易燃易爆物品
 17. 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
- 1.Work voltage:220VAC-3300VAC
 - 2.Work frequency:50/60Hz
 - 3.Work current:3A-1600A
 - 4.Carrier frequency:2-8KHz
 - 5.Insulation class:class F,H
 - 6.Operation Environment:-10℃+45℃, rated value won't lower, when higher than 45℃, and every 1℃, the current will step down 2%
 - 7.Protction class:IP00-ip22
 - 8.Voltage drop: < 4% higher than the range will cause the loss of torque
 - 9.Max Current:1.5 × Rated current ,continuous 60S
 - 10.Noise:≤65dB
 - 11.Temperature Rise:≤85K
 - 12.Dielectric strength:Core Coil 3000VAC/50Hz/5mA/10s no electric arcing puncture(factory test)
 - 13.Insulation Resistor:1000VDC insulation resistance value≥100MΩ
 - 14.Under seal level 2000m
 - 15.Runing ambient temperature-25℃~+45℃, comparative moisture not over 90%
 - 16.No hazardous gas, no inflammables and explosives
 - 17.With well-Ventilated condition, ventilation devices shall be mounted if installation in panels

■ 执行标准 (Applicable Standards)

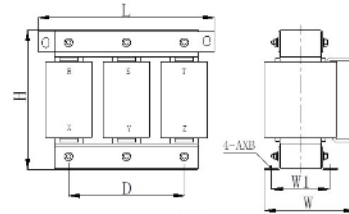
IEC289:1987 Reactor GB10229-88 Reactor(eqvIEC289:1987)

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
OCL-0005-1M40-0.4SC	5	1.4	1%	1.5-2.2	图一	120	110	140	65	60	6X15
OCL-0008-1M00-0.4SC	8	1.0	1%	3		120	110	140	65	60	6X15
OCL-0010-0M70-0.4SC	10	0.7	1%	3.7		120	110	140	65	60	6X15
OCL-0015-0M47-0.4SC	15	0.47	1%	5.5		120	110	140	65	60	6X15
OCL-0020-0M35-0.4SC	20	0.35	1%	7.5		155	140	140	95	73	6X15
OCL-0030-0M23-0.4SC	30	0.23	1%	11		155	140	140	95	73	6X15
OCL-0040-0M18-0.4SC	40	0.18	1%	15		155	150	140	120	78	6X15
OCL-0050-0M14-0.4SC	50	0.14	1%	18.5		195	160	165	120	85	8.5X20
OCL-0060-0M12-0.4SC	60	0.12	1%	22		195	160	165	120	85	8.5X20
OCL-0080-087U-0.4SC	80	0.087	1%	30		195	160	175	120	85	8.5X20
OCL-0090-078U-0.4SC	90	0.078	1%	37		195	170	175	120	92	8.5X20
OCL-0120-058U-0.4SC	120	0.058	1%	45		195	180	190	120	105	8.5X20
OCL-0150-047U-0.4SC	150	0.047	1%	55		195	180	190	120	105	8.5X20
OCL-0120-058U-0.4SC	120	0.058	1%	45	图二	230	180	230	162	80	11X18
OCL-0150-047U-0.4SC	150	0.047	1%	55		230	180	230	162	80	11X18
OCL-0200-035U-0.4SC	200	0.035	1%	75-90		250	180	240	182	88	11X18
OCL-0250-028U-0.4SC	250	0.028	1%	110		250	190	240	182	98	11X18
OCL-0290-024U-0.4SC	290	0.024	1%	132		290	200	250	214	102	11X18
OCL-0330-021U-0.4SC	330	0.021	1%	160		290	205	260	214	107	11X18
OCL-0390-018U-0.4SC	390	0.018	1%	185		290	205	260	214	107	11X18
OCL-0490-014U-0.4SC	500	0.014	1%	200-220		320	230	300	243	102	12X20
OCL-0600-012U-0.4SC	600	0.012	1%	250-280		320	260	310	243	117	12X20
OCL-0660-011U-0.4SC	660	0.011	1%	315		320	260	310	243	117	12X20
OCL-0800-08U7-0.4SC	800	0.0087	1%	355-380		365	295	380	260	145	15X25
OCL-1000-07U0-0.4SC	1000	0.007	1%	400-450		365	300	380	260	150	15X25
OCL-1200-05U8-0.4SC	1200	0.0058	1%	500-550		365	310	435	260	160	15X25
OCL-1600-04U3-0.4SC	1600	0.0043	1%	630		365	320	435	260	160	15X25

■ 产品选择指引 (Selection guide)

