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 limit - ing the capactive charging current of the connection cable between the frequency in - verter and the moto,and passivating the ovltage buildup rate of PWM form the fre - quency inveter 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 form the contalled between the motor and the filter
4.Reduce the earth leakage current of motor

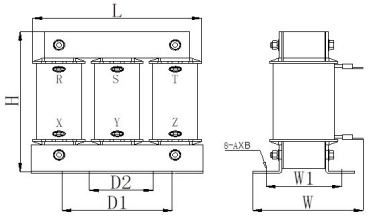
技术规格(Technical Specifications)

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 wont't lower,when higer 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

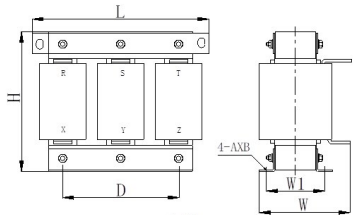
■ 执行标准(Applicable Standards)

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	图一	120	110	140	65	60	6X11
OCL–0008–1M00–0.4SC	8	1.0	1%	2.2		120	110	140	65	60	6X11
OCL–0010–0M70–0.4SC	10	0.7	1%	3.7		120	110	140	65	60	6X11
OCL–0015–0M47–0.4SC	15	0.47	1%	5.5		120	110	140	65	60	6X11
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	172	88	11X18
OCL–0250–028U–0.4SC	250	0.028	1%	110		250	190	240	172	98	11X18
OCL–0290–024U–0.4SC	290	0.024	1%	132		290	200	250	204	102	11X18
OCL–0330–021U–0.4SC	330	0.021	1%	160		290	205	260	204	107	11X18
OCL–0390–018U–0.4SC	390	0.018	1%	185		290	205	260	204	107	11X18
OCL–0490–014U–0.4SC	500	0.014	1%	200–220		320	230	300	243	112	11X18
OCL–0600–012U–0.4SC	600	0.012	1%	250–280		320	260	310	243	126	11X18
OCL–0660–011U–0.4SC	660	0.011	1%	315		320	260	310	243	126	11X18
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	400	260	170	15X25
OCL–1600–04U3–0.4SC	1600	0.0043	1%	630		365	320	400	260	180	15X25

■ 产品选择指引(Selection guide)

OCL	0290	024U	0.4SC
OCL:输出电抗器 AC Output 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