GEYA 格亚电气

为全球中高端用户提供
最可靠的接触器

TO PROVIDE THE MOST RELIABLE CONTACTORS
FOR HIGH END USERS WORLDWIDE





有质量才有销量

Only Quality Drives Sales

愿景 成为全球工控细分领域的领导者

使命 为全球中高端用户提供最可靠的接触器

价值观 客户第一，创新，高效，共赢

Vision To be a leader in the global industrial control segment

Mission To provide the most reliable contactors for high end users worldwide

Values Customer first, innovation, efficiency, win-win

公司简介
COMPANY PROFILE

格物知致，亚于天下---格亚电气以品质第一，不断创新的理念专注于低压电器及自动化控制产品的自主研发，生产销售一体化的民营公司，成立于2007年2月，年营业额超过1000万美元以上。位于浙江省温州市。

目前公司的产品系列中包含了广泛的低压电器及自动化控制系列产品，包括小型断路器，塑壳断路器，漏电断路器，隔离开关，接触器，继电器，定时器，配电箱等一系列相关的配件和部件。公司产品荣获国家级实用专利。

公司产品根据相关行业标准及认证要求已获包括CCC，CE，SAA，SEMKO，TUV，EN等欧盟权威证书。完全符合了欧洲，美国的质量标准。比国内行业的标准提升一个更高标准。除了为我们的全球客户提供OEM和ODM服务，目前已经跟多个国际知名品牌公司在合作.我们也欢迎广大客户代理以及向海内外市场推广格亚品牌，为此，我们将会为广大客户提供更具竞争力的销售政策。

今天，我们的四大销售区域覆盖了六大洲，并且有40多家外国公司自格亚电气购买产品。与此同时，我们经验丰富的销售队伍正在逐步将我们的产品推广至更大的海内外市场。期待与您共创美好的未来！

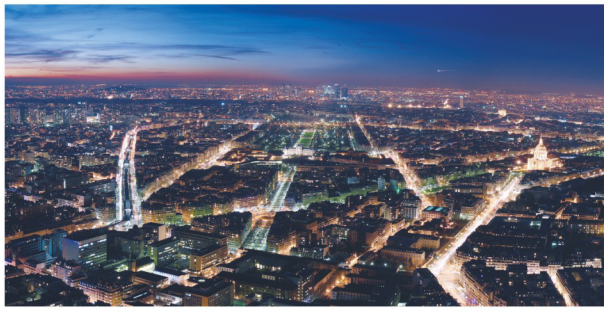
Zhejiang Geya Electrical Co., Ltd was founded in February, 2007. Our headquarters is based in Wenzhou, Zhejiang, China.

In the past 10 years, Geya Electrical has been focusing in low voltage electrical and automation control items research, development and production. Furthermore, in the global promotion of solar energy system.

Our current products offers a wide range of low voltage electrical and automation control items, including MCB, MCCB, RCD, Switch Disconnector, Contactor, Relay, Timer, Distributor Box and other series of related accessories and components., also, we provide series of solar energy system applications, including solar charge controller, solar pump inverter, as well as solar power system.

In the meantime, Geya products are certified to required industry standards, according to: CCC, CE, CB, SAA, SEMKO, TUV and Rosh, etc. In addition to OEM and ODM for our worldwide customers, we also welcome our customers to distribute our products for oversea markets. For this project, we will provide more competitive sales policy for our customers.

And today, our 4 sales regional cover over 6 continentals, and more than 40 foreign companies purchase products from us. Also, our knowledge wealth sales team is gradually promoting our products to more countries.



GLC1系列

交流接触器



产品概述 Product Overview

全新GLC1系列交流接触器采用新一代技术平台，应用自动化生产及检测设备，打造稳定可靠的高品质接触器。

With the new generation of technical platform and automatic production and testing equipment, the new GLC1 AC contact fits the customer application needs which is in a good quality.

产品命名规则 Product Naming Rules

GLC1	—	09	10	B	Z
1		2	3	4	5

1 交流接触器 AC Contactor

2 额定电流 Rated Current
09A/12A/18A/25A/32A/40A/50A/65A/80A/95A

3 触头型式 Contactor Type
10：1NO, 01：1NC, 11：1NO1NC,
004：主触头4NO（除18A、32A以外）
Main contact 4NO (except 18A and 32A),
008：主触头2NO+2NC（除18A、32A以外）
Main contact 2NO+2NC(except 18A and 32A)

4 线圈电压 Control Voltage
B:24V/C:36V/F:110V/M:220V/Q:380V

5 直流操作 DC Control Circuit

技术参数 Technical Parameters

产品范围 Power Consumption	
GLC1交流接触器 GLC1 AC Contactor	9~95A，共10个电流规格 9~95A, totally 10 current specifications
附件 Accessories	FG1防尘盖、F1顶辅助触头、FC1侧辅助触头、FJ1机械连锁、FY1空气延时头、FR1 浪涌抑制器 FG1 dust cover, F1 top auxiliary contact, FC1 side auxiliary contact, FJ1 mechanical interlock, FY1 air delayed head, FR1 surge suppressor
认证 Certification	CCC/CE
符合标准 Standards	GB/T 14048.1总则及GB/T 14048.4 接触器 Standards:IEC 60947-1 general provisions and IEC 60947-4-1 contactors
正常安装与工作条件 **Conditions Of Normal Use,installation And Transportation**	
安装位置 Installation position	应垂直于安装面，各方向的倾斜度不超过22.5°；安装类别为III类。 The installation site shall be vertical, and inclination at all directions shall not exceed ±22.5°; installation class III.
污染等级 Pollution class	3 级 Class 3
环境温度 Ambient temperature	正常工作时，周围空气温度为：-5°C~+40°C，24小时内平均值不超过+35°C；存储温度为-25°C~ +55°C，短时间（24h）内可达+70°C。 In normal operation, the ambient temperature range is between -5°Cand+40°C, but average value in 24th is no more than +35°C; Storage temperature:-25°C~ +55°C, a short time (24h)is allowed with maximum +70°C.
海拔 Altitude	正常工作安装地点的海拔不超过 2000m。 Altitude at normal installation position does not exceed 2000m.
湿度 Humidity	大气的相对湿度在周围最高温度+40°C时不超过50%，在较低温度下可以有较高的相对湿度，例如20°C时的90%。对于因温度变化偶尔产生的凝露，应采取防护措施。 The atmospheric relative humidity does not exceed 50% when the highest ambient temperature is +40°C. It is allowed to have a relative higher humidity under lower temperature e.g. up to 90% at +20°C. For occasional dew due to the temperature change,preventive measures shall be taken.
防护等级 Protection grade	IP20

技术参数 Technical Parameters

接触器型号 Contactor Model		GLC1- 09 (09Z)	GLC1- 12 (12Z)	GLC1- 18 (18Z)	GLC1- 25 (25Z)	GLC1- 32 (32Z)	GLC1- 40 (40Z)	GLC1- 50 (50Z)	GLC1-65 (65Z)	GLC1-80 (80Z)	GLC1-95 (95Z)
主电路特性 Main circuit characteristics											
额定绝缘电压(Ui) V Rated insulation voltage (Ui)		690									
约定发热电流(Ith) A Conventional thermal current(Ith)		20	20	32	40	50	60	80	80	100	100
额定工作电流(Ie) A Rated operating current(Ie)	380V,AC-3	9	12	18	25	32	40	50	65	80	95
	380V,AC-4	3.5	5	7.7	8.5	12	18.5	24	28	37	44
	660V,AC-3	6.6	8.9	10.6	18	21	34	39	42	49	49
	660V,AC-4	1.5	2	3.8	4.4	7.5	9	12	14	17.3	21.3
额定工作功率(Pe) kW Rated operating power(Pe)	380V,AC-3	4	5.5	7.5	11	15	18.5	22	30	37	45
	380V,AC-4	1.5	2.2	3	4	5	7.5	11	15	18.5	22
	660V,AC-3	5.5	7.5	9	15	18.5	30	33	37	45	45
	660V,AC-4	1.1	1.5	1.7	4	5.5	7.5	11	11	15	18.5

技术参数 Technical Parameters

接触器型号 Contactor Model			GLC1-09 (09Z)	GLC1-12 (12Z)	GLC1-18 (18Z)	GLC1-25 (25Z)	GLC1-32 (32Z)	GLC1-40 (40Z)	GLC1-50 (50Z)	GLC1-65 (65Z)	GLC1-80 (80Z)	GLC1-95 (95Z)
机械寿命 Mechanical durability	万次 10,000 times		1200			1000		900			650	
电气寿命 Electrical durability	万次 10,000 times	AC-3	110				90				65	
		AC-4	22					17			11	
操作频率 Operation frequency	次/时 Time/hour	AC-3	1200				600					
		AC-4	300				300					
主回路端子接线能力(mm^2) Main circuit terminal wiring capability (mm^2)												
软线 Soft wire	1根导线 1 wire		1…4		1…6	1.5…10		2.5…10	2.5…25		4…50	
不带接线端子 Without terminal	2根导线 2 wire		1…4		1…6	1.5…6		2.5…10	2.5…16		2.5…35	
软线 Soft wire	1根导线 1 wire		1…2.5		1…4	1…4		2.5…16	2.5…16		4…50	
带接线端子 With terminal	2根导线 2 wire		1…2.5		1…4	1…4		2.5…10	2.5…16		2.5…25	
硬线 Hard wire	1根导线 1 wire		1…4		1…6	1.5…6		2.5…10	2.5…25		4…50	
不带接线端子 Without terminal	2根导线 2 wire		1…4		1…6	1.5…6		2.5…10	—		—	
线圈 Coil												
额定控制电路电压(Us) Rated control circuit voltage (Us)	AC 50/60Hz	V	24V/36V/110V/220V/380V									
	DC	V	24V/110V/220V									
允许控制回路电压(Us) Allowable control circuit voltage (Us)	运行 Operation	V	85%~110%Us									
	释放 Drop-out	V	AC20%~70%Us/DC 10%~70%Us									

技术参数 Technical Parameters

接触器型号 Contactor Model			GLC1-09 (09Z)	GLC1-12 (12Z)	GLC1-18 (18Z)	GLC1-25 (25Z)	GLC1-32 (32Z)	GLC1-40 (40Z)	GLC1-50 (50Z)	GLC1-65 (65Z)	GLC1-80 (80Z)	GLC1-95 (95Z)
线圈功耗 Coil power	吸合 Actuation	VA	70			110		200				
	保持 Holding	VA	<9		<9.5	<14		<36.6				
	功耗 Heat dissipation	W	1.8~2.7			3~4		6~10				
辅助触头 Auxiliary contact												
触头规格 Contact specification			10/01					11				
约定发热电流(Ith) Conventional thermal current(Ith)		A	10									
额定工资电压(Ue) Rated control circuit voltage (Ue)	交流 AC	V	380									
	直流 DC	V	220									
额定控制容量 Rated control capacity	AC-15	VA	360									
	DC-13	W	33									
认证 Certification			CCC/CE									

线圈额定控制电源电压Us及代号 Coil voltage code & coil frequency code						
线圈电压Us(V) Coil Voltage Us(V)	24	36	110	220	380
交流(50/60Hz) AC	B5	C5	F5	M5	Q5
直流 DC	BD	—	FD	MD	—

附件 Accessories

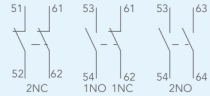
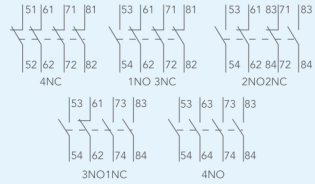
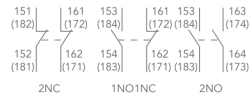
FG1防尘盖
FG1 Transparent Cover



安装位置 Installation Position	定货编码 Reference	适用产品 Contactor Type
顶端 Top	FG1-18	GLC1-09~18
	FG1-32	GLC1-25~32
	FG1-65	GLC1-40~65
	FG1-95	GLC1-80~95

F1/FC1辅助触头
F1/FC1 Auxiliary Contact



安装位置 Installation position	极数 Polo	触头布局 Auxiliary contact	触头形式 Contact point layout NO	NC	定货编码 Reference	适用产品 Icontactor type
顶端 Top	2	 2NC 1NO 1NC 2NO	1	1	F1-11	GLC1-09~95
			2	—	F1-20	
			—	2	F1-02	
	4	 4NC 1NO 3NC 2NO2NC 3NO1NC 4NO	2	2	F1-22	
			4	—	F1-40	
			—	4	F1-04	
			3	1	F1-31	
			1	3	F1-13	
侧面 Side	2	 2NC 1NO1NC 2NO	0	2	FC1-02	GLC1-09~95
			1	1	FC1-11	
			2	0	FC1-20	

FJ1机械互锁装置
FJ1 Mechanical interlock module



安装位置 Installation position	互锁方式 Interlock method	定货编码 Reference	适用产品 Contactor type
水平安装 Horizontal installation	机械互锁 Mechanical interlock	FJ1-32E	GLC1-09~32
		FJ1-95E	GLC1-40~95

附件 Accessories

FY1 空气延时头
FY1 air delayed head



安装位置 Installation position	延时类型 Delay type	接线示意图 Wiring diagram	触头形式 Contact point layout	定货编码 Reference	适用产品 Contactor type
顶端 Top	通电延时 Making time-delay	55 67 / 56 68	0.1~3s	FY1-02	GLC1-09~95
			0.1~30s	FY1-22	
			10~180s	FY1-24	
	断电延时 Breaking time-delay	65 57 / 66 58	0.1~3s	FY1-30	
			0.1~30s	FY1-32	
			10~180s	FY1-34	

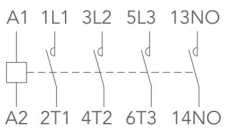
FR1 浪涌抑制器
FR1 surge suppressor



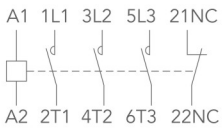
安装位置 Installation position	电路电压范围 Circuit voltage range		定货编码 Reference	适用产品 Icontactor type
	交流符号 AC symbol	直流符号 DC symbol		
顶端 Top	~	—	FR1-48	GLC1-09~95
			FR1-127	
			FR1-240	
			FR1-415	

接线示意图 Wiring Diagram

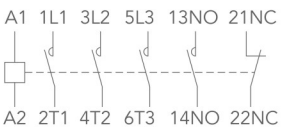
GLC1-09~32 (Z)



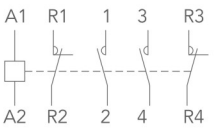
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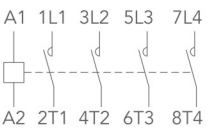
GLC1-40~95 (Z)



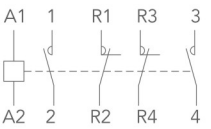
GLC1-40008~95008 (Z)



GLC1-09004~95004 (Z)

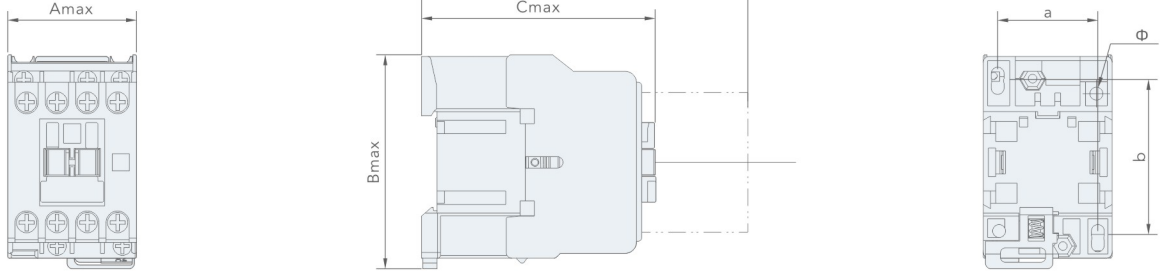


GLC1-09008~25008 (Z)

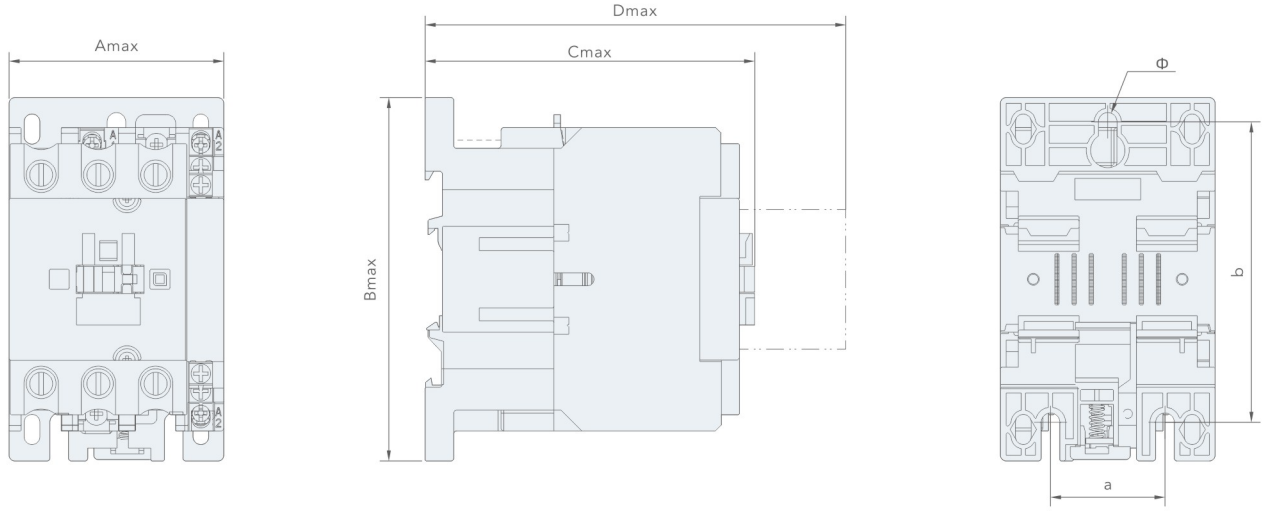


外形及安装尺寸 Overall And Installation Dinmensions

GLC1-09~32



GLC1-40~95



产品型号规格(mm) Model	Amax	Bmax	Cmax	Dmax	a	b	Φ
GLC1-09、12	47	76	86	124.5	35±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-09、12Z	47	76	116	154.5	35±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-18	47	76	91	129.5	35±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-18Z	47	76	122	160.5	35±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-25	58	86	98	136.5	40±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-25Z	58	86	131	169.5	40±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-32	58	86	102	140.5	40±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-32Z	58	86	138	176.5	40±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC1-40、50、65	79	128	119	157.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-40Z、50Z、65Z	79	128	172	210.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-40004、50004、65004	86	128	116	154.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-40004Z、50004Z、65004Z	86	128	172	210.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-40008、50008、65008	86	128	127	154.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-40008Z、50008Z、65008Z	86	128	183	210.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-80、95	87	128	127	165.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-80Z、95Z	87	128	183	221.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-80004、95004	98	128	124	162.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-80004Z、95004Z	98	128	180	218.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-80008、95008	98	128	136	162.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC1-80008Z、95008Z	98	128	192	218.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$

接触器选型表 Contactor Selection Table

产品名称 Product name	额定电流 Current Specification	辅助触头 Auxiliary Contact	控制电压 Coil frequency
GLC1	09A	10	M
	09:09A 12:12A 18:18A 25:25A 32:32A 40:40A 50:50A 65:65A 80:80A 95:95A	10:1NO 01:1NC 11:1NO1NC	见线圈电压代码

电动机功率Pe(KW AC-3，380V) Motor power Pe(KW AC-3，380V)	额定电流Ie(A) Rated current Ie(A)	辅助触头 Auxiliary Contact		订货编码示例 Reference
		常开NO	常闭NC	
4	9	1	—	GLC10910*
		—	1	GLC10901*
		4	—	GLC109004*
		2	2	GLC109008*
5.5	12	1	—	GLC11210*
		—	1	GLC11201*
		4	—	GLC112004*
		2	2	GLC112008*
7.5	18	1	—	GLC11810*
		—	1	GLC11801*
11	25	1	—	GLC12510*
		—	1	GLC12501*
		4	—	GLC125004*
		2	2	GLC125008*
15	32	1	—	GLC13210*
		—	1	GLC13201*
18.5	40	1	1	GLC14011*
		4	—	GLC140004*
		2	2	GLC140008*
22	50	1	1	GLC15011*
		4	—	GLC150004*
		2	2	GLC150008*
30	65	1	1	GLC16511*
		4	—	GLC165004*
		2	2	GLC165008*
37	80	1	1	GLC18011*
		4	—	GLC180004*
		2	2	GLC180008*
45	95	1	1	GLC19511*
		4	—	GLC195004*
		2	2	GLC195008*

注：极数在型号中不体现，3极为10、01、11，4极为004、008。对于订货编码中的“*”可由线圈电压代码来表示。如需采购直流控制回路接触器，定货编码增加Z，如GLC10910Z*。

Note:The number of poles is not reflected in the model,3-polo contactor represents the auxiliary contacts of 10, 01, 11,4-polo contactor represents 004 or 008.Only * means coil voltage code + frequency code.If the contactor of DC control circuit voltage needs to be purchased, order code increases Z, such as GLC10910Z*.

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