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GEYA®
GEYA ELECTRICAL

AC contactor
Catalogue



TO PROVIDE THE MOST
RELIABLE CONTACTORS
FOR HIGH END USERS WORLDWIDE

01

COMPANY PROFILE

ZHEJIANG GEYA ELECTRICAL CO.,LTD

Zhejiang Geya Electrical Co., Ltd. [hereinafter referred to as: Geya Electrical GEYA. GEYA Electrical was established in February 2007 and is located in Wenzhou City, China. It is a scientific and technological private enterprise integrating R&D, production, sales and service, focusing on the independent research and development of low-voltage electrical appliances and automation control products. After years of operation, the company's annual turnover has exceeded CNY 200 million.

The company's product series involve a variety of low-voltage electrical appliances and automation control products, including miniature circuit breakers, molded case circuit breakers, leakage circuit breakers, isolating switches, contactors, relays, timers, distribution boxes and other products and related accessories . With a wide range of products and a wide range of applications, it is widely recognized and praised by customers at home and abroad. The company currently has a comprehensive and mature online sales platform system. The four major sales regions of the products cover six continents in the world. More than 40 foreign companies choose and trust GEYA Electrical products.

Since the establishment of the company, GEYA Electrical has always adhered to the corporate motto of "Getting what you need, knowing what you are doing", adhering to the development concept of quality first and continuous innovation, and adhering to the product concept of high standards and high quality. Since then, a number of national patents have been obtained, and the GEYA brand has been deployed in most countries around the world. In addition, according to industry standards and certification requirements, the company has obtained authoritative EU certifications including CCC, CE, SAA, SEMKO, TUV, etc., and its products fully comply with European and American product quality standards. In addition to providing OEM and ODM services to global customers, GEYA Electrical has established cooperative relationships with many internationally renowned brand companies. At the same time, the company's experienced sales team is gradually promoting GEYA Electric's products to larger domestic and overseas markets, making more contributions to the world's low-voltage electrical appliances and automation control product industries and customers.



GEYA

GEYA Electrical sincerely welcomes customers to act as agents to promote the GEYA brand in domestic and overseas markets. We will provide our customers with better products, better services and more competitive sales policies.

GEYA Electrical looks forward to creating a better future with you!

Founded in
2007 Year

Sales Revenue
200 million RMB

Employees
300 +



GEYA® 格亚电气



GLC1 series
AC Contactor

Completely Redesigned Appearance
The product's appearance has been thoroughly recreated, differing from its previous versions.

Optimized structural design
Adopts a combined design of an integrated cover and an enclosed plug-in core.

Enhanced texture and visual appeal
Significantly improved refinement, along with stronger visual attractiveness.

Comprehensive accessory system
Provides a full range of supporting accessories, making model selection more convenient.

Product Naming Rules

GL	C	1	-	09	10	24V	Z
1	2	3		4	5	6	7

1 Corporate Code

2 AC Contactor

3 Design Serial Number

4 Rated Current
09A/12A/18A/25A/32A/
40A/50A/65A/80A/95A

5 Contactor Type

10	1NO
01	1NC
11	1NO1NC
003	Main contact 3NC（32A）

6 Control Voltage

AC	24V/36V/110V/220V/380V
DC	24/110/220V

7 DC Control Circuit

Product Feature

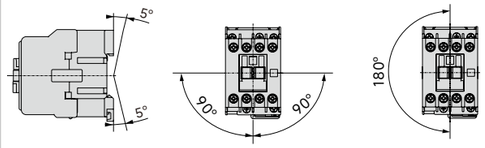
GLC1 AC contactor：9~95A,totally 10 current specifications
Accessories: PC transparent dust cover, F1 top auxiliary contact, FC1 side auxiliary contact, FY1 air delay head module, FR1 mechanical interlock, FR1 coil surge suppression module
Certification:CE
Standards:IEC 60947-1 General provisions and IEC 60947-4-1

The reduction factor is used at high altitudes			
Altitude(m)	2000	3000	4000
Rated operating voltage Ui	1.00	0.90	0.80
Rated operating current Ie	1.00	0.92	0.90

Temperature reduction coefficient of abnormal working environment				
Ambient temperature(°C)	40	50	60	70
correction factor	1	0.875	0.75	0.625

Technical Parameters

Contactor model			GLC1-09	GLC1-12	GLC1-18	GLC1-25	GLC1-32	GLC1-40	GLC1-50	GLC1-65	GLC1-80	GLC1-95
Rated operating current(Ie)	AC-3	A	9	12	18	25	32	40	50	65	80	95
	AC-1	A	20	20	32	40	50	60	80	80	100	100
Rated control circuit voltage(Ue)			380V									
Poles			3	3	3	3	3	3	3	3	3	3
Rated operating power(Pe) AC-3	220V	kW	2.2	3	4	5.5	7.5	11	15	18.5	22	25
	380V	kW	4	5.5	7.5	11	15	18.5	22	30	37	45
	660V	kW	5.5	7.5	10	15	18.5	30	33	37	45	45
Built-in auxiliary contact module			The contactor has one normally open or normally closed contact					The contactor has one normally open and normally closed contact				
Suitable for manual - overload relay		A	0.1-10	0.1-13	0.1-18	0.1-24	0.1-32	17-40	17-50	17-65	17-104	17-104
Work environment												
Rated insulation voltage(Ui)		V	690									
Rated impulse withstand voltage(Uimp)		kV	6									
Pollution class			3									
Standardize			IEC60947-1，60947-4-1，GB/T 14048.1，GB/T 14048.4									
Certification			CCC,CE									

Contactor model			09	12	18	25	32	40	50	65	80	95
Product protection grade			IP20									
Ambient temperature	Storage	℃	-60~-80									
	work	℃	-5~+40									
	Allowed to work under Us	℃	-40~+60									
Maximum working altitude	No reduction capacity	m	2000									
Working position The installation category is Class III	No reduction capacity		Allow 5° to normal vertical mounting surface 									
Flame retardant rating	Comply with IEC 60695-2-1 standard	℃	Housing and base V0 rating									
Main circuit terminal wiring capability												
Soft wire Without terminal	1 wire	mm^2	1…4	1…4	1…4	1.5…10	1.5…10	2.5…25	2.5…25	2.5…25	4…50	4…50
	2 wire	mm^2	1…4	1…4	1…4	1.5…6	1.5…6	2.5…16	2.5…16	2.5…16	4…25	4…25
Hard wire Without terminal	1 wire	mm^2	1…4	1…4	1…4	1…6	1…6	2.5…25	2.5…25	2.5…25	4…50	4…50
	2 wire	mm^2	1…2.5	1…2.5	1…2.5	1…4	1…4	2.5…10	2.5…10	2.5…10	4…16	4…16
Hard wire Without terminal	1 wire	mm^2	1…4	1…4	1…4	1.5…6	1.5…6	2.5…25	2.5…25	2.5…25	4…50	4…50
	2 wire	mm^2	1…4	1…4	1…4	1.5…6	1.5…6	2.5…16	2.5…16	2.5…16	4…25	4…25
Tool	Phillips screwdriver		PH2	PH2	PH2	PH2	PH2	-	-	-	-	-
	Slotted point screwdriver		6	6	6	6	6	8	8	8	8	8
Tightening torque		N.m	1.2	1.2	1.2	1.7	1.7	5	5	5	9	9
Control circuit connection												
Soft wire Without terminal	1 wire	mm^2	1…4	1…4	1…4	1…2.5	1…4	1…4	1…4	1…4	1…4	1…4
	2 wire	mm^2	1…4	1…4	1…4	1…2.5	1…4	1…4	1…4	1…4	1…4	1…4
Soft wire With terminal	1 wire	mm^2	1…4	1…4	1…4	1…2.5	1…4	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5
	2 wire	mm^2	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5	1…2.5
Hard wire Without terminal	1 wire	mm^2	1…4	1…4	1…4	1…2.5	1…4	1…4	1…4	1…4	1…4	1…4
	2 wire	mm^2	1…4	1…4	1…4	1…2.5	1…4	1…4	1…4	1…4	1…4	1…4
Tool	Phillips screwdriver		PH2	PH2	PH2	Ph2	PH2	PH2	PH2	PH2	PH2	PH2
	Slotted point screwdriver		6	6	6	6	6	6	6	6	6	6
Tightening torque		N.m	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Main contact characteristics												
Rated operating current(Ie)	AC-3	A	9	12	18	25	32	40	50	65	80	95
	AC-1	A	20	20	32	40	50	60	80	80	100	100
Rated control circuit voltage(Ue)		V	380									
Frequency range	Working current	Hz	50	50	50	50	50	50	50	50	50	50
Conventional thermal current(Ith)	θ≤40°C		20	20	32	40	50	60	80	80	100	100

Contactor model			09	12	18	25	32	40	50	65	80	95
Rated switching capacity (380V)	Comply with IEC60947 standard		10 x Ie(AC-3 usage category); 12 x Ie(AC-4 usage category)									
Rated breaking capacity (380V)	Comply with IEC60947 standard		8 x Ie(AC-3 usage category); 10 x Ie(AC-4 usage category)									
Short-time withstand current	10s	A	105	105	144	200	260	320	400	520	640	800
Protected by a fuse	No thermal overload relay Fuse gG	Type 1 A	20	20	25	32	63	80	100	160	200	200
		Type 2 A	10	10	20	25	63	80	100	125	160	160
Electrical life (380V)	AC-3	Ten thousand times	110	110	110	110	90	90	90	90	65	65
	AC-4	Ten thousand times	5	5	5	4	3	3	2.5	2.5	2	1.5
Ac control circuit characteristics												
Rated control circuit voltage (Us)	50Hz	V	24、36、110、220、380									
	DC	V	24、110、220									
Allowable control circuit voltage (Us)	Operation	V	85%~110%Us									
	Drop-out	V	AC 20%~70%Us;DC 10%~70%Us									
Thermal loss	50Hz starting Cos∅=0.75	VA	50~70			80~110		160~220			160~220	
	50Hz release Cos∅=0.3	VA	6~8.9			9~12		20~35				
Thermal loss	50Hz	W	3~4	3~4	3~4	3~4	3~4	6~10	6~10	6~10	6~10	6~10
Actuation time	Close"C"	ms	12~25					20~26				
	Open"O"	ms	5~20					6~15				
Mechanical life	Ten thousand times		1200	1200	1200	1000	1000	900	900	900	650	650
Maximum operating frequency	Number of operations per hour(≤40°C)		3600									
The contactor comes with auxiliary contact features												
Contact specification			1NO or 1NC					1NO or 1NC				
Rated operating current(Ie)	AC-15/DC-13	A	AC:0.95/DC:0.15									
Rated control circuit voltage (Ue)	AC-15/DC-13	V	AC: 380V/DC: 220									
Conventional thermal current(Ith)		A	10									
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690									
Rated impulse withstand voltage (Uimp)	Comply with IEC60947 standard	kV	6									
short-circuit protection	gG fuse	A	10									
Rated switching capacity	Comply with IEC60947 standard	A	AC: 140,DC: 220									
Insulation resistance		MΩ	> 10									

Contact module type	FC1 Side auxiliary contacts	F1 top auxiliary contact	FY1 air delay head
Accessory			

Working environment			
Rated insulation voltage (Ui)		V	690
Rated impulse withstand voltage (Uimp)		kv	6
Standardize			IEC 60947-5-1, GB/T 14048.5
Certification			CCC
Product protection grade			IP20
	Storage	°C	-60~-80
	work	°C	-5~+40
	Allowed to work under Us	°C	-40~+60
Maximum working altitude	No reduction capacity	m	2000
Wiring	Phillips screwdriver PH2 and ∅6 Soft or hard wire, with or without terminal	mm^2	Minimum :1x1 Minimum :2x2.5

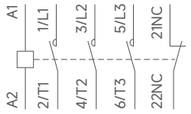
Contact specification			
Rated working current (Ie)	AC-15/DC-13	A	AC:0.95*DC:0.15
Rated working voltage	AC-15/DC-13	V	AC:380V/DC:220
Agreed heating current (Ith)		A	10
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690
Rated Impulse withstand Voltage (Uimp)	Comply with IEC60947 standard	kV	6
Short-circuit protection	gG fuse	A	10
short-circuit protection	Comply with IEC60947 standard	A	AC:140,DC:220
Insulation resistance		MΩ	> 10

Wiring Diagram

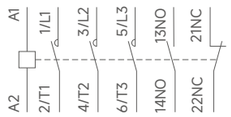
GLC1-09~32（Z）



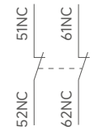
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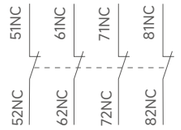
GLC1-40~95(Z)



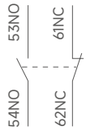
F1-02



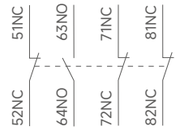
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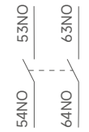
F1-11



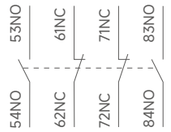
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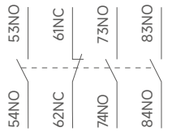
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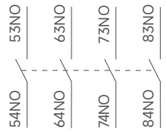
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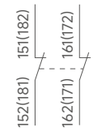
F1-31



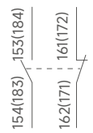
F1-40



FC1-02



FC1-11

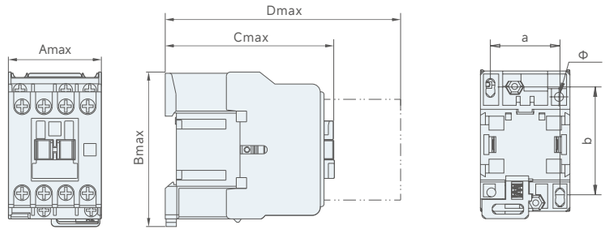


FC1-20

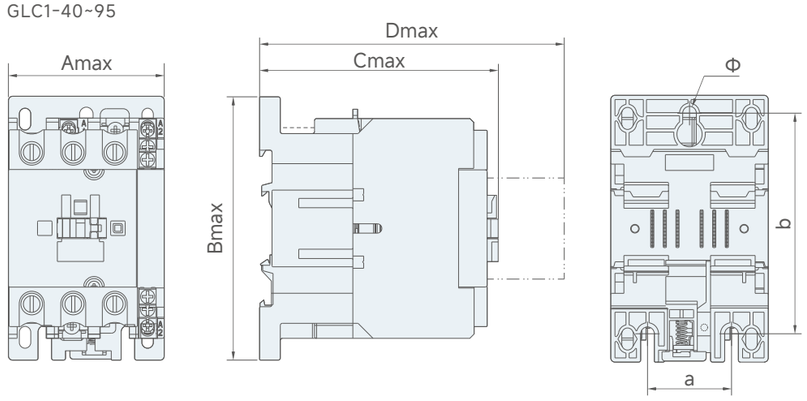


Overall and installation dimensions（mm）

GLC1-09~32

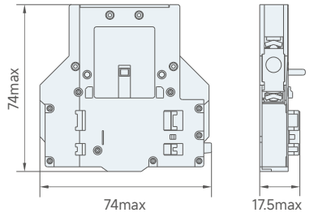


GLC1-40~95

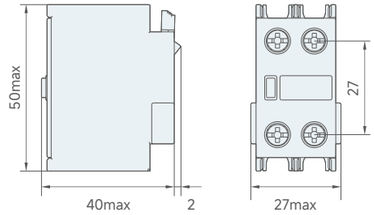


Overall and installation dimensions (mm)

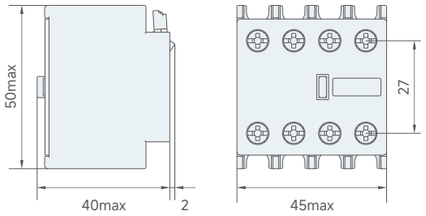
FC1-02/11/20



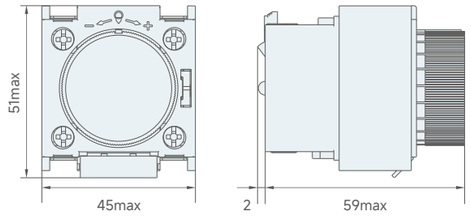
F1-02/11/20



F1-04/13/22/31/40



FY1-20/22/24/30/32/34



Contactor model	Amax	Bmax	Cmax	Dmax	a	b	φ
GLC1-09、12	47	76	82	120.5	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	87	125.5	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	96	134.5	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	101	139.5	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	116	154.5	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	$6.5^{+0.58}_{0}$
GLC1-80、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	$6.5^{+0.58}_{0}$



GLC1-1210



GLC1-1810



GLC1-2510



GLC1-3210



GLC1-6511



GLC1-9511

Selection Table

Motor power Pe(kW AC-3,380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
4	9	3	-	1	-	GLC10910*	0.333
		3	-	-	1	GLC10901*	0.335
5.5	12	3	-	1	-	GLC11210*	0.333
		3	-	-	1	GLC11201*	0.335
7.5	18	3	-	1	-	GLC11810*	0.350
		3	-	-	1	GLC11801*	0.352
11	25	3	-	1	-	GLC12510*	0.526
		3	-	-	1	GLC12501*	0.529
15	32	3	-	1	-	GLC13210*	0.536
		3	-	-	1	GLC13201*	0.538
		-	3	1	-	GLC132003*	0.505
18.5	40	3	-	1	1	GLC14011*	1.337
22	50	3	-	1	1	GLC15011*	1.339
30	65	3	-	1	1	GLC16511*	1.340
37	80	3	-	1	1	GLC18011*	1.355
45	95	3	-	1	1	GLC19511*	1.355

Note: The "*" in the order code for GLC1 can be represented by the coil voltage code. To purchase DC control loop contactors, add Z to the order code, such as GLC10910Z*.

PC transparent dust cover



PC transparent dust cover

Installation Position	Contactor Type	Type	Weight kg
Top	GLC1-09～18、GLC3-06～38	FG1-18	0.004
	GLC1-25~32	FG1-32	0.006
	GLC1-40~65、GLC3-40~65	FG1-65	0.006
	GLC1-80~95、GLC3-80~95	FG1-95	0.007

F1 top auxiliary contact and FC1 side auxiliary contact





F1 top auxiliary contact



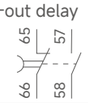
FC1 side auxiliary contact

Installation Position	Contactor Type	Number of contacts per module	Contact form NO	Contact form NC	Model	Weight kg
Top	GLC1-09～95 GLC3-06～95	2	-	2	F1-02	0.0355
			1	1	F1-11	0.0355
			2	-	F1-20	0.0355
		4	-	4	F1-04	0.064
			1	3	F1-13	0.064
			2	2	F1-22	0.064
			3	1	F1-31	0.064
			4	-	F1-40	0.064
Side		2	-	2	FC1-02	0.047
			1	1	FC1-11	0.047
			2	-	FC1-20	0.047

FY1 Air delay head module



FY1 Air delay head module

Installation Position	number of contacts	Delay type	Set range	Type	Weight kg
Top	1NO+1NC	Power-on delay 	0.1~3s	FY1-20	0.08
	1NO+1NC		0.1~30s	FY1-22	0.08
	1NO+1NC		10~180s	FY1-24	0.08
	1NO+1NC	Black-out delay 	0.1~3s	FY1-30	0.08
	1NO+1NC		0.1~30s	FY1-32	0.08
	1NO+1NC		10~180s	FY1-34	0.08

FJ1 mechanical interlock module



FJ1 mechanical interlock

Installation Position	Contactor Type	Type	Weight kg
Horizontal Installation	GLC1-09~32 GLC3-06~38	FJ1-32E	0.032
	GLC1-40~95 GLC3-40~95	FJ1-95E	0.038



GFR1 surge suppressor

FR1 coil surge suppression module

Installation Position	Voltage range	Type	Weight kg
Screw fixation	AC24-48V	FR1(RVC)-48	0.023
	AC93-121V	FR1(RVC)-110	0.024
	AC187-242V	FR1(RVC)-220	0.023
	AC323-418V	FR1(RVC)-380	0.024

Applied to electrical control system, it can effectively suppress the instantaneous high voltage, high order harmonic and resistance capacitance absorption caused by switching on or disconnecting AC inductive load, and eliminate high predamping voltage frequency.

GEYA® 格亚电气



GLC4series
AC Contactor

Classic Products

Fully Customizable Across the Entire Series

Simplified and More Convenient Model Selection

Product Naming Rules

GL	C	4	-	09	004	24V	Z
1	2	3		4	5	6	7

1 Corporate Code

2 AC Contactor

3 Design Serial Number

4 Rated Current
09A/12A/25A/32A/
40A/50A/65A/80A/95A

5 Contactor Type
004：Main contact 4NO (except 18A)
008：Main contact 2NO+2NC (except 18A)

6 Control Voltage
AC:24V/36V/110V/220V/380V
DC:24/110/220V

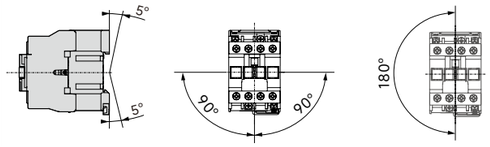
7 DC Control Circuit

Product Feature

GLC4 AC contactor: 9~95A,totally 9 current specifications
Accessories: F1 top auxiliary contact, FC1 side auxiliary contact, FY1 **a**ir delay head module, FR1 mechanical interlock, FR1 coil surge suppression module
Certification: CE
Standards: IEC 60947-1 General provisions and IEC 60947-4-1

Technical Parameters

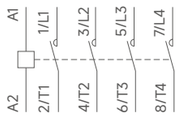
Contactor model			09	12	25	32	40	50	65	80	95
Rated operating current(Ie)	AC-3	A	9	12	25	32	40	50	65	80	95
	AC-1	A	20	20	40	50	60	80	80	100	100
Rated control circuit voltage (Ue)			380V								
Poles			4	4	4	4	4	4	4	4	4
Rated operating power(Pe) AC-3	220V	kW	2.2	3	5.5	7.5	11	15	18.5	22	25
	380V	kW	4	5.5	11	15	18.5	22	30	37	45
	660V	kW	5.5	7.5	15	18.5	30	33	37	45	45
Work environment											
Rated insulation voltage (Ui)		V	690								
Rated impulse withstand voltage (Uimp)		kV	6								
Pollution class			3								
Standardize			IEC 60947-1, IEC 60947-4-1, GB/T 14048.1, GB/T 14048.4								
Certification			CE								
Product protection grade			IP20								
Ambient temperature	Storage	℃	-60~80								
	work	℃	IP20								
	Allowed to work under Us	℃	-40~+60								
Maximum working altitude	No reduction capacity	m	2000								

Contactor model			09	12	25	32	40	50	65	80	95
Work location The installation category is Class III	No reduction capacity		Allow 5° to normal vertical mounting surface 								
Flame retardant rating	Comply with IEC 60695-2-1 standard	°C	Housing and base V0 rating								
Main circuit terminal wiring capability											
Soft wire Without terminal	1 wire	mm²	1…4	1…4	1.5…10	1.5…10	25…25	25…25	25…25	4…50	4…50
	2 wire	mm²	1…4	1…4	1.5…6	1.5…6	25…16	25…16	25…16	4…25	4…25
Soft wire With terminal	1 wire	mm²	1…4	1…4	1…6	1…6	25…25	25…25	25…25	4…50	4…50
	2 wire	mm²	1…2.5	1…2.5	1…4	1…4	25…10	25…10	25…10	4…16	4…16
Hard wire Without terminal	1 wire	mm²	1…4	1…4	1.5…6	1.5…6	25…25	25…25	25…25	4…50	4…50
	2 wire	mm²	1…4	1…4	1.5…6	1.5…6	25…16	25…16	25…16		
Tool	Phillips screwdriver	mm²	1…4	1…4	PH2	PH2	-	-	-	4…25	4…25
	Slotted point screwdriver		PH2	PH2	6	6	8	8	8	-	-
Tightening torque		N.m	1.2	1.2	1.7	1.7	5	5	5	9.8	9.8
Main contact characteristics											
Rated operating current(Ie)	AC-3	A	20	20	40	50	60	80	80	100	100
Rated control circuit voltage (Ue)	AC-1	V	380								
Frequency range	AC-1	Hz	50	50	50	50	50	50	50	50	50
Conventional thermal current(Ith)	θ≤40°C	A	20	20	40	50	60	80	80	100	100
Rated switching capacity (380V)	Comply with IEC60947 standard		10 x Ie(AC-3 usage category); 12 x Ie(AC-4 usage category)								
Rated breaking capacity (380V)	Comply with IEC60947 standard		8 x Ie(AC-3 usage category); 10 x Ie(AC-4 usage category)								
Short-time withstand current	10s	A	105	105	200	260	320	400	520	640	800
Protected by a fuse	No thermal overload relay Fuse gG	Type 1 A	20	20	32	63	80	100	160	200	200
		Type 2 A	10	10	25	63	80	100	125	160	160
Electrical life (380V)	AC-3	Ten thousand times	110	110	110	90	90	90	90	65	65
	AC-1	Ten thousand times	15	30	35	35	35	35	35	35	35
Ac control circuit characteristics											
Rated control circuit voltage (Us)	50Hz	V	24、36、110、220、380								
	DC	V	24、110、220								
Allowable control circuit voltage (Us)	Operation	V	75%~110%Us								
	Drop-out	V	AC 20%~70%Us;DC 10%~70%Us								

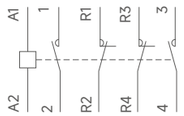
Contactor model			09	12	25	32	40	50	65	80	95
Coil power	50Hz starting Cos =0.75	VA	70		110		220			220	
	50Hz release Cos =0.3	VA	< 9		< 14		< 36.6				
	Coil power	W	1.8~2.7				6~10			6~10	
Thermal loss	50Hz	W	3~4	3~4	3~4	3~4	6~10	6~10	6~10	6~10	6~10
Actuation time	Close"C"	ms	12~25				20~26				
	Open"O"	ms	5~20				6~15				
Mechanical life	Ten thousand times		1200	1200	1000	1000	900	900	900	650	650
Maximum operating frequency	Number of operations per hour (≤40°C)		3600								

Wiring Diagram

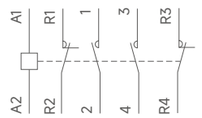
GLC4-09004~95004(Z)



GLC4-09008~32008(Z)

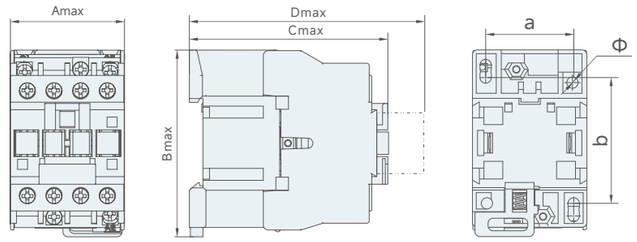


GLC4-40008~95008(Z)

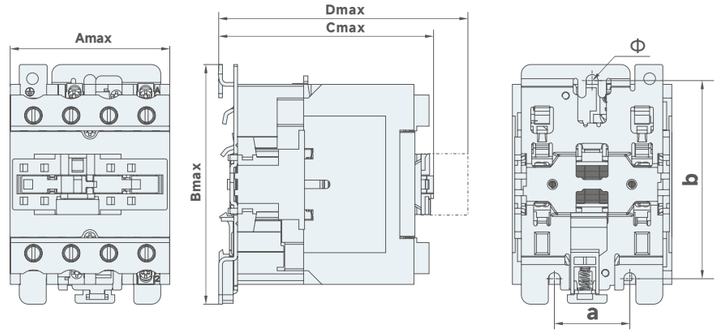


Overall and installation dinmensions(mm)

GLC4-09~32



GLC4-40~95



Model	Amax	Bmax	Cmax	Dmax	a	b	φ
GLC4-09004、09008、12004、12008	47	76	82	120.5	35±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC4-09004Z、09008Z、12004Z、12008Z	47	76	116	154.5	35±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC4-25004、25008	58	86	96	134.5	40±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC4-25004Z、25008Z	58	86	131	169.5	40±0.5	50±0.5/60±0.6	$4.5^{+0.48}_{0}$
GLC4-40004、50004、65004	86	128	116	154.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-40004Z、50004Z、65004Z	86	128	172	210.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-40008、50008、65008	86	128	127	154.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-40008Z、50008Z、65008Z	86	128	183	210.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-80004、95004	98	128	124	162.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-80004Z、95004Z	98	128	180	218.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-80008、95008	98	128	136	162.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$
GLC4-80008Z、95008Z	98	128	192	218.5	40±0.5	100±0.7/110±0.7	$6.5^{+0.58}_{0}$



GLC4-09008



GLC4-25008



GLC4-65004

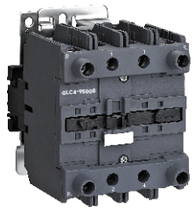
Selection Table

Motor power Pe(kW AC-3，380V)	Current Specification	Main contact		Model	Weight
kW	A	NO	NC		kg
4	9	4	-	GLC409004*	0.333
		2	2	GLC409008*	0.337
5.5	12	4	-	GLC412004*	0.333
		2	2	GLC412008*	0.337
11	25	4	-	GLC425004*	0.500
		2	2	GLC425008*	0.510
15	32	4	-	GLC432004*	0.536
		2	2	GLC432008*	0.546
18.5	40	4	-	GLC440004*	2.180
		2	2	GLC440008*	2.240
22	50	4	-	GLC450004*	2.188
		2	2	GLC450008*	2.258
30	65	4	-	GLC465004*	2.198
		2	2	GLC465008*	2.263
37	80	4	-	GLC480004*	2.640
		2	2	GLC480008*	2.724
45	95	4	-	GLC495004*	2.640
		2	2	GLC495008*	2.724

Note: The "*" in the order code for GLC4 can be represented by the coil voltage code. To purchase DC control loop contactors, add Z to the order code, such as GLC409004Z*.



GLC4-65008



GLC4-95008

Control voltage code

Coil Voltage Us(V)	24	36	110	220	380
AC	B5	C5	F5	M5	Q5
DC	BD	-	FD	MD	-

GEYA® 格亚电气



GLC3 series
AC Contactor

The new series comes with 1NO + 1NC auxiliary functions

Easy selection

Product Naming Rules

GL	C	3	-	06	11	24V	50Hz
1	2	3		4	5	6	7

1 Corporate Code

2 AC Contactor

3 Design Serial Number

4 Rated Current
06A/09A/12A/18A/25A/32A/38A
40A/50A/65A/80A/95A/

5 Contactor Type
11：1NO+1NC

6 Control Voltage
AC: 24V/36V/48V/110V/220V/380V/
400V/415V

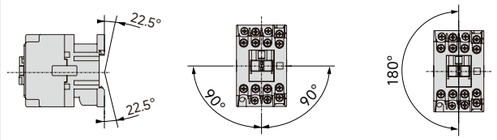
7 50Hz
50/60Hz

Product Feature

GLC3 AC contactor：06~95A,totally 12 current specifications
Accessories: PC transparent dust cover, F1 top auxiliary contact, FC1 side auxiliary contact, FY1 **a**ir delay head module, FR1 mechanical interlock, FR1 coil surge suppression module
Certification:CE、CB
Standards:IEC 60947-1 General provisions and IEC 60947-4-1

Technical Parameters

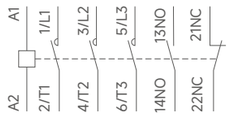
Contactor model			06	09	12	18	25	32	38	40	50	65	80	95
Rated operating current(Ie) AC-3	380/400V	A	6	9	12	18	25	32	38	40	50	65	80	95
	660/690V	A	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
Rated operating current(Ie)AC-4	380/400V	A	2.6	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	660/690V	A	1	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated control circuit voltage (Ue)		V	220V/230V、380V/400V、660V/690V											
Poles			3	3	3	3	3	3	3	3	3	3	3	3
Rated operating power(Pe)AC-3	380/400V	kW	2.2	4	5.5	7.5	11	15	18.5	18.5	22	30	37	45
	660/690V	kW	4	4	5.5	7.5	11	15	15	30	33	37	45	45
Rated operating power(Pe)AC-4	380/400V	kW	1.1	1.5	2.2	3.3	4	5.4	5.5	7.5	11	15	18.5	22
	660/690V	kW	0.75	1.1	1.5	3	3.7	5.5	6	7.5	10	11	15	18.5
Built-in auxiliary contact module			The contactor has one normally open and normally closed contact											
Suitable for manual - overload relay		A	01-10	01-10	01-13	01-18	01-24	01-32	01-32	01-40	01-50	01-65	0.1-104	
Work environment														
Rated insulation voltage (Ui)		V	690											
Rated impulse withstand voltage (Uimp)		kV	6											
Pollution class			3											
Standardize			IEC											
Certification			CE、CB											
Product protection grade			IP20											
Ambient temperature	Storage	°C	-60~-80											
	work	°C	-5~+40											
	Allowed to work under Us	°C	-40~+60											
Maximum working altitude	No reduction capacity	m	2000											

Contactor model			06	09	12	18	25	32	38	40	50	65	80	95
Working position The installation category is Class III	No reduction capacity		Allow 22.5° to normal vertical mounting surface 											
Flame retardant rating	Comply with IEC 60695-2-1 standard	°C	Housing and base V0 rating											
Main circuit terminal wiring capability														
Soft wire Without terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..10	1..10	1..10	2..25	2..25	2..25	4...50	4...50
	2 wire	mm^2	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..16	2..16	2..16	4...25	4...25
Soft wire With terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..25	2..25	2..25	4...50	4...50
	2 wire	mm^2	1..25	1..25	1..25	1..25	1..4	1..4	1..4	2..10	2..10	2..10	4...16	4...16
Hard wire Without terminal	1 wire	mm	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..25	2..25	2..25	4...50	4...50
	2 wire	mm	1..4	1..4	1..4	1..4	1..6	1..6	1..6	2..16	2..16	2..16	4...25	4...25
Tool	Phillips screwdriver		PH2	PH2	PH2	PH2	PH2	PH2	PH2	-	-	-	-	-
	Slotted point screwdriver		6	6	6	6	6	6	6	8	8	8	8	8
Tightening torque		N.m	1.2	1.2	1.2	1.2	1.7	1.7	1.7	5	5	5	9	9
Control circuit connection														
Soft wire With terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4
	2 wire	mm^2	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25	1..25
Hard wire Without terminal	1 wire	mm^2	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4
	2 wire	mm^2	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4	1..4
Tool	Phillips screwdriver		PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2	PH2
	Slotted point screwdriver		6	6	6	6	6	6	6	6	6	6	6	6
Tightening torque		N.m	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
Main contact characteristics														
Rated operating current(Ie) AC-3	380/400V	A	6	9	12	18	25	32	38	40	50	65	80	95
	660/690V	A	3.8	6.6	8.9	12	18	22	22	34	39	42	49	49
Rated operating current(Ie) AC-4	380/400V	A	2.6	3.5	5	7.7	8.5	12	14	18.5	24	28	37	44
	660/690V	A	1	1.5	2	3.8	4.4	7.5	8.9	9	12	14	17.3	21.3
Rated control circuit voltage (Ue)		V	220V/230V、 380V/400V、660V/690V											
Frequency range	Working current	Hz	50、50/60Hz											
Conventional thermal current(Ith)	θ≤40	A	16	20	20	25	32	40	50	60	80	80	100	100
Rated switching capacity (380V)	Comply with IEC60947 standard		10 x Ie(AC-3 usage category); 12 x Ie(AC-4 usage category)											

Contactor model			06	09	12	18	25	32	38	40	50	65	80	95
Rated breaking capacity (380V)	Comply with IEC60947 standard		8 x Ie(AC-3 usage category); 10 x Ie(AC-4 usage category)											
Short-time withstand current	10s	A	48	72	96	144	200	256	310	320	400	520	640	800
Protected by a fuse	No thermal overload relay Fuse gG	Type 1 A	20	20	20	25	40	50	63	80	100	160	200	200
		Type 2 A	10	10	10	20	25	50	63	80	100	125	160	160
Electrical life (380V)	AC-3	Ten thousand times	110	100	100	100	90	90	80	90	90	90	65	65
	AC-4	Ten thousand times	5	4	4	4	3	2.5	2.5	3	2.5	2.5	2	1.5
Ac control circuit characteristics														
Rated control circuit voltage (Us)	50Hz 50/60Hz	V	24V、36V、48V、110V、220V、380V、400V、415V											
Allowable control circuit voltage (Us)	Operation	V	85%~110%Us											
	Drop-out	V	AC 20%~70%Us											
Coil power	50Hz starting Cos =0.75	VA	70			110			220			220		
	50Hz release Cos =0.3	VA	< 9			< 9.5			< 36.6					
	Coil power	W	1.8~2.7			3~4			6~10			6~10		
thermal loss	50Hz	W	3~4	3~4	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10	6~10
Actuation time	Close"C"	ms	12~25						20~26					
	Open"O"	ms	5~20						6~15					
Mechanical life	Ten thousand times		1200	1200	1200	1200	1000	1000	1000	900	900	900	650	650
Maximum operating frequency	Number of operations per hour (≤40°C)		3600											
The contactor comes with auxiliary contact features														
Contact specification			1NO and 1NC											
Rated operating current(Ie)	AC-15/DC-13	A	AC:0.95*DC:0.15											
Rated control circuit voltage (Ue)	AC-15/DC-13	V	AC:380V/DC:220											
Conventional thermal current(Ith)		A	10											
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690											
Rated insulation voltage (Ui)	Comply with IEC60947 standard	kV	6											
short-circuit protection	gG fuse	A	10											
Rated switching capacity	Comply with IEC60947 standard	A	AC:140,DC:220											
Insulation resistance		MΩ	> 10											

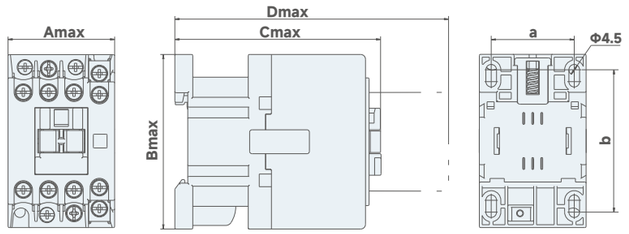
Wiring Diagram

GLC3-06~95

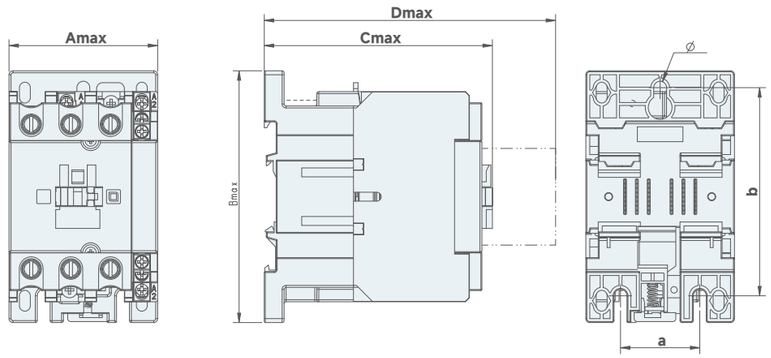


Overall and installation dimensions(mm)

GLC3-06-38



GLC3-40-95



Model	Amax	Bmax	Cmax	Dmax	a	b
GLC3-06~18	45.5	73.5	87	125.5	35	60
GLC3-25~38	56.5	82.5	98	136.5	40	73.5
GLC3-40~65	79	128	116	154	40	100/110
GLC3-80~95	87	128	127	165	40	100/110



GLC3-1811



GLC3-3811

Selection Table

Motor power Pe(kW AC-3,380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	1	GLC30611*	0.312
4	9	3	-	1	1	GLC30911*	0.312
5.5	12	3	-	1	1	GLC31211*	0.312
7.5	18	3	-	1	1	GLC31811*	0.312
11	25	3	-	1	1	GLC32511*	0.459
15	32	3	-	1	1	GLC33211*	0.459
18.5	38	3	-	1	1	GLC33811*	0.459
18.5	40	3	-	1	1	GLC14011*	1.337
22	50	3	-	1	1	GLC15011*	1.339
30	65	3	-	1	1	GLC16511*	1.340
37	80	3	-	1	1	GLC18011*	1.355
45	95	3	-	1	1	GLC19511*	1.355

Note: The "*" in the order code for GLC3 can be represented by the coil voltage code.

Control voltage code

Coil Voltage Us(V)	24	36	48	110	220	380	400	415
AC(50Hz)	B5	C5	E5	F5	M5	Q5	V5	N5
AC(50/60Hz)	B7	C7	E7	F7	M7	Q7	V7	N7

GEYA® 格亚电气



GLC1-M series
AC Contactor

Compact Size, High Capacity

Superior Electrical Performance

Designed for High-Shock and High-Vibration Environments

Comprehensive Accessories, Easy selection

Product Naming Rules

GL	C	1	-	06	M	T	10	Z	N	24V	50
1	2	3		4	5	6	7	8	9	10	11

1 Corporate Code

2 AC Contactor

3 Design Serial Number

4 Rated Current: 06A/09A/ 12A/16A

5 Mini/miniature

6 Connection mode
Omit: Screw clamping connection mode
T: Spring terminal connection (DC control only)
Y: Solder pins for printed circuit boards

7 Contactor Type
10: 1NO
01: 1NC
03: 3NC
04: 4NO
08: 2NO+2NC

8 Z: DC

9 Interlocking reversible products
Omit not to write, a single product
Omit: AC

10 Control Voltage
AC: 24V/36V/48V/110V/125V/220V/ 380V/400V/415V
DC: 12V/24V/36V/48V/110V/127V/ 220V/240

11 frequency: 50Hz、50/60Hz

Product Feature

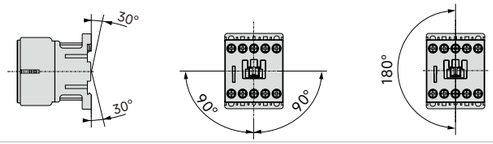
GLC1M AC contactor： 6~16A,totally 4 current specifications
Accessories: LA-KN top auxiliary contact
Certification:CE
Standards:IEC 60947-1 General provisions and IEC 60947-4-1

The reduction factor is used at high altitudes			
Altitude (m)	2000	3000	4000
Rated operating voltage Ui	1.00	0.90	0.80
Rated operating current Ie	1.00	0.92	0.90

Temperature reduction coefficient of abnormal working environment				
Ambient temperature (°C)	40	50	60	70
correction factor	1	0.875	0.75	0.625

Technical Parameters

Contactor model			GLC1-06M	GLC1-09M	GLC1-12M	GLC1-16M
Rated operating current(Ie) AC-3	220/230V	A	6	9	12	16
	380/400V	A	6	9	12	16
	660/690V	A	3.8	4.9	4.9	4.9
Rated operating current(Ie) AC-4	220/230V	A	2.6	3.5	5	5
	380/400V	A	2.6	35	5	5
	660/690V	A	1	1.5	2	2
Rated control circuit voltage (Ue)		V	220V/230V、 380V/400V、660V/690V			
Poles			3P/4P	3P/4P	3P/4P	3P/4P
Rated operating power(Pe)AC-3	220/230V	kW	1.5	2.2	3	4
	380/400V	kW	2.2	4	5.5	7.5
	660/690V	kW	3	4	4	4

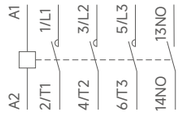
Contactor model			GLC1-06M	GLC1-09M	GLC1-12M	GLC1-16M
Rated operating power(Pe)AC-4	220/230V	kW	0.55	0.75	1.1	1.1
	380/400V	kW	1.1	1.5	2.2	2.2
	660/690V	kW	0.75	1.1	1.5	1.5
Built-in auxiliary contact module			The contactor has one normally open and normally closed contact			
Suitable for manual - overload relay		A	0.11-16			
Work environment						
Rated insulation voltage (Ui)			690			
Rated impulse withstand voltage (Uimp)			6			
Pollution class			2			
Standardize			IEC 60947-1, IEC 60947-4-1, GB/T 14048.1, GB/T 14048.4			
Certification			CCC、CE、CB			
Product protection grade			IP20			
Ambient temperature	Storage	°C	-50~+80			
	work	°C	-40~+70			
	Allowed to work under Us	°C	-40~+70			
Vibration resistance	Contactor break		8gn			
	Contactor closing		10gn			
Maximum working altitude	No reduction capacity	m	2000			
Working position The installation category is Class III	No reduction capacity		Allow 30° to normal vertical mounting surface 			
Flame retardant rating	Comply with IEC 60695-2-1 standard	°C	Housing and base V0 rating			
Main loop and control circuit wiring（Screw clamp the terminal）						
Soft wire Without terminal		mm^2	1×0.75-2×4			
Soft wire With terminal		mm^2	1×0.34-1×1.5+1×2.5			
Hard wire Without terminal		mm^2	1×1.5-2×4			
Tool	Phillips screwdriver		Ph2			
	Slotted point screwdriver		6			
Tightening torque		N.m	1.2			
Main loop and control circuit wiring（Spring terminal）						
Soft wire Without terminal		mm^2	1×0.75-1×2.5			
Soft wire With terminal		mm^2	1×0.75-1×2.5			
Hard wire Without terminal		mm^2	1×0.75-1×2.5			

Contactor model			GLC1-06M	GLC1-09M	GLC1-12M	GLC1-16M
Tool	Flat-head screwdriver		3			
Main loop and control circuit wiring（Solder pins for printed circuit boards）						
Positioning device with power supply and control circuit			4mm×35μm			
Main contact characteristics		N.m	1.2			
Rated operating current(Ie)AC-3	220/230V	A	6	9	12	16
	380/400V	A	6	9	12	16
	660/690V	A	3.8	4.9	4.9	4.9
Rated operating current(Ie)AC-4	220/230V	A	2.6	3.5	5	5
	380/400V	A	2.6	35	5	5
	660/690V	A	1	1.5	2	2
Rated control circuit voltage (Ue)		V	220V/230V、380V/400V、660V/690V			
Frequency range	Working current	Hz	50、50/60			
Conventional thermal current(Ith)	θ≤40°C	A	20			
Rated switching capacity (380V)	Comply with IEC60947 standard		10 x Ie(AC-3 usage category); 12 x Ie(AC-4 usage category)			
Rated breaking capacity (380V)	Comply with IEC60947 standard		8 x Ie(AC-3 usage category); 10 x Ie(AC-4 usage category)			
Short-time withstand current	10s	A	80	80	100	100
Protected by a fuse	No thermal overload relay Fuse gG		25			
Electrical life (380V)	AC-3	Ten thousand times	120			
	AC-4	Ten thousand times	2			
Ac control circuit characteristics						
Rated control circuit voltage (Us)	50Hz、50/60Hz		AC24V、AC36V、 AC48V、AC110V、AC127V、AC220V、AC380V、AC400V、AC415V			
	DC	V	DC12V、DC24V、DC36V、DC48V、DC110V、DC125V、DC220V、DC240V			
Allowable control circuit voltage (Us)	Operation	V	85%~110%Us			
	Drop-out	V	AC 20%~70%Us;DC 10%~70%Us			
Coil power	AC starting	VA	40			
	AC release	VA	7			
	DC starting	W	3-4			
	DC release	W	3-4			
thermal loss		W	1.3			
Actuation time	Close"C"	ms	10~20			
	Open"O"	ms	5~15			
Mechanical life	Ten thousand times		900			
Maximum operating frequency	Number of operations per hour (≤40°C)		3600			

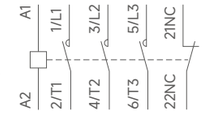
Contactor model			GLC1-06M	GLC1-09M	GLC1-12M	GLC1-16M
The contactor comes with auxiliary contact features						
Contact specification			1NO or 1NC			
Rated operating current(Ie)	AC-15/DC-13	A	AC0.95/DC0.15			
Rated operating current(Ie)	AC-15/DC-13	V	AC:380V/DC:220			
Conventional thermal current(Ith)		A	10			
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690			
Contact module type			LA-KN top auxiliary contact			
Working environment						
Rated insulation voltage (Ui)		V	690			
Rated impulse withstand voltage (Uimp)		kV	6			
Standardize			IEC 60947-5-1, GB/T 14048.5,			
Certification			CCC			
Product protection grade			IP20			
Ambient temperature	Storage	℃	-60~-80			
	work	℃	-5~+40			
	Allowed to work under Us	℃	-40~+60			
Maximum working altitude	No reduction capacity	m	2000			
Wiring	Phillips screwdriver PH2 and ∅6	mm^2	lowest:1x1			
	Soft or hard wire, with or without terminal		lowest:2x2.5			
Contact characteristic						
Rated operating current(Ie)	AC-15/DC-13	A	AC:0.95*DC:0.15			
Rated control circuit voltage (Ue)	AC-15/DC-13	V	AC:380V/DC:220			
Agreed heating current (Ith)		A	10			
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690			
Rated impulse withstand voltage (Uimp)	Comply with IEC60947 standard	kV	6			
Short-circuit protection	gG fuse	A	10			
Rated connection capacity	Comply with IEC60947 standard	A	AC:140,DC:220			
Insulation resistance		MΩ	> 10			

Wiring Diagram

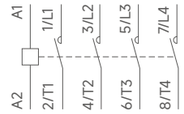
GLC1-06M~16M(Z)



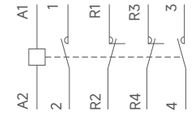
或



GLC1-06M04~16M04(Z)

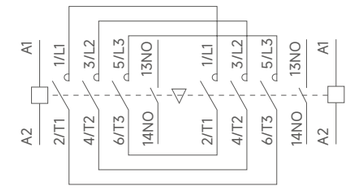


GLC1-06M08~16M08(Z)

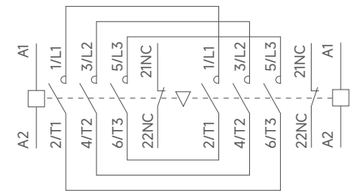


GLC1-06M-16M(Z) 3P reversible contactor

3P+NO

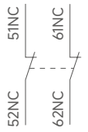


3P+NC

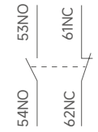


LA-KN top auxiliary contact

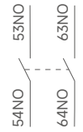
LA-KN02



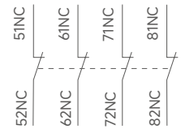
LA-KN11



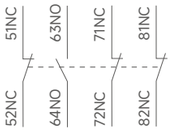
LA-KN20



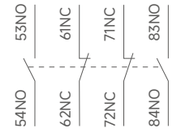
LA-KN04



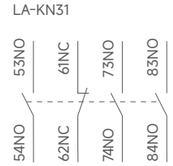
LA-KN13



LA-KN22



LA-KN31

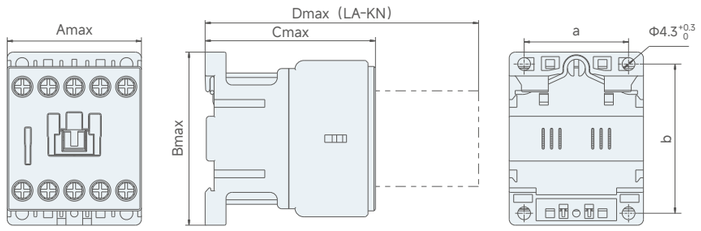


LA-KN40



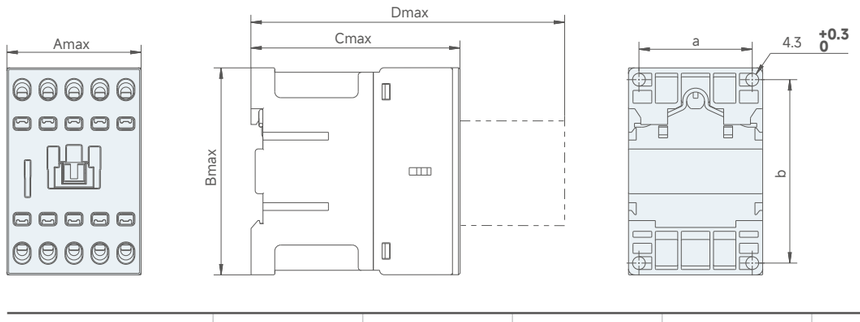
Overall and installation dimensions（mm）

GLC1-06M~16M



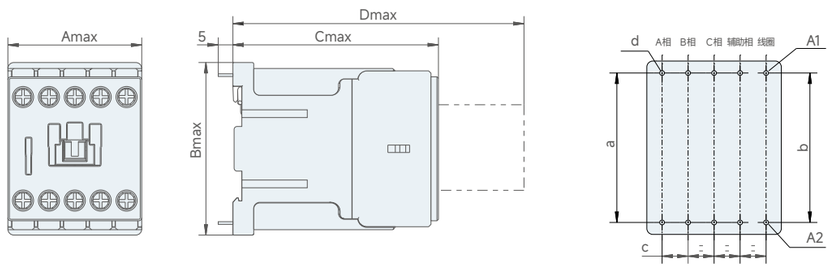
Model(mm)	Amax	Bmax	Cmax	Dmax	a	b
GLC1-06M~16M	45.5	58.5	57.5	92	35	50
GLC1-06MZ~16MZ	45.5	58.5	70	104	35	50

GLC1-06MTZ~16MTZ



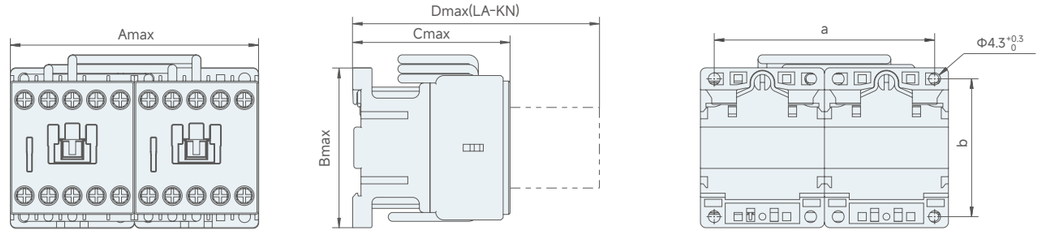
Model(mm)	Amax	Bmax	Cmax	Dmax	a	b
GLC1-06MTZ~16MTZ	45.5	69.5	70	104	38	61.5

GLC1-06MYZ~16MYZ



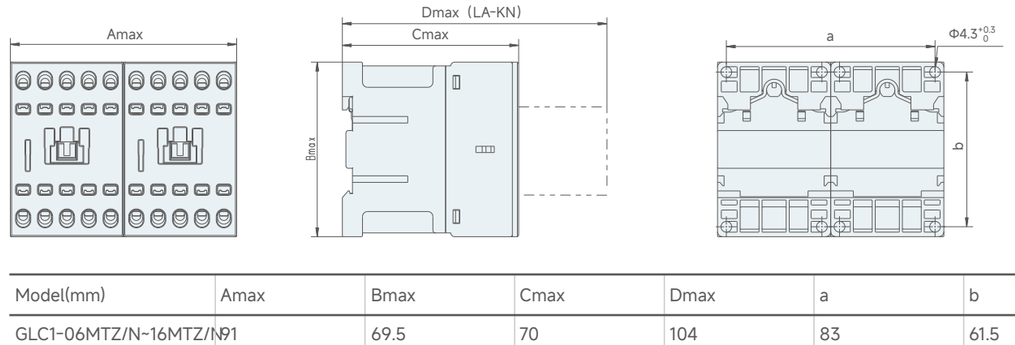
Model(mm)	Amax	Bmax	Cmax	Dmax	a	b	c	d
GLC1-06MYZ~16MYZ	45.5	58.5	70	104	50	50	8.7	1.6

GLC1-06M/N~16M/N



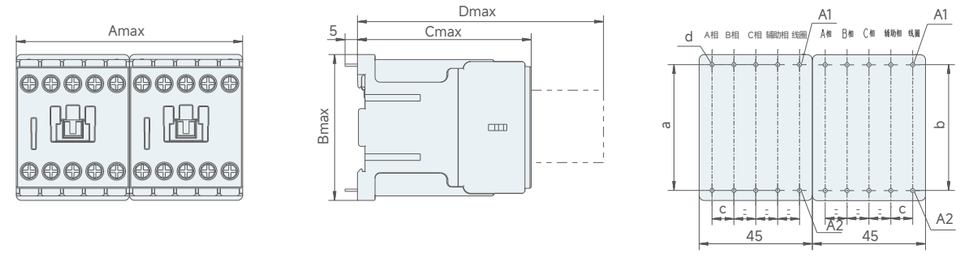
Model(mm)	Amax	Bmax	Cmax	Dmax	a	b
GLC1-06M/N~16M/N	91	58.5	57.5	92	80.5	50
GLC1-06MZ/N~16MZ/N	91	58.5	70	104	80.5	50

GLC1-06MTZ/N~16MTZ/N

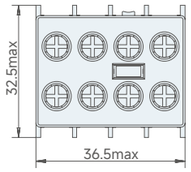


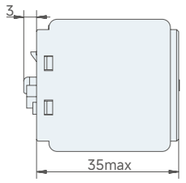
Model(mm)	Amax	Bmax	Cmax	Dmax	a	b
GLC1-06MTZ/N~16MTZ/N	91	69.5	70	104	83	61.5

GLC1-06MYZ/N~16MYZ/N



Model(mm)	Amax	Bmax	Cmax	Dmax	a	b	c	d
GLC1-06MYZ/N~16MYZ/N	91	58.5	70	104	50	50	8.7	1.6







GLC1-16M10Z



GLC1-16M10



GLC1-16MY10Z

Selection Table

Select the contactor according to the type of use. Mount it on a 35mm guide rail or use 4 screws to secure it.

Screw clamping connection mode

Motor power Pe(kW AC-3, 380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	-	GLC106M10*	0.197
		3	-	-	1	GLC106M01*	0.197
4	9	3	-	1	-	GLC109M10*	0.197
		3	-	-	1	GLC109M01*	0.197
		4	-	-	-	GLC109M004*	0.197
		2	2	-	-	GLC109M008*	0.197
5.5	12	3	-	1	-	GLC112M10*	0.197
		3	-	-	1	GLC112M01*	0.197
		4	-	-	-	GLC112M004*	0.197
		2	2	-	-	GLC112M008*	0.197
7.5	16	3	-	1	-	GLC116M10*	0.197
		3	-	-	1	GLC116M01*	0.197
		-	3	1	-	GLC116M003*	0.197
		4	-	-	-	GLC116M004*	0.197
		2	2	-	-	GLC116M008*	0.197

Spring terminal connection mode

Motor power Pe(kW AC-3, 380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A						kg
2.2	6	3	-	1	-	GLC106MT10Z*	0.325
		3	-	-	1	GLC106MT01Z*	0.325
4	9	3	-	1	-	GLC109MT10Z*	0.325
		3	-	-	1	GLC109MT01Z*	0.325
		4	-	-	-	GLC109MT004Z*	0.325
		2	2	-	-	GLC109MT008Z*	0.325
5.5	12	3	-	1	-	GLC112MT10Z*	0.325
		3	-	-	1	GLC112MT01Z*	0.325
		4	-	-	-	GLC112MT004Z*	0.325
		2	2	-	-	GLC112MT008Z*	0.325
7.5	16	3	-	1	-	GLC116MT10Z*	0.325
		3	-	-	1	GLC116MT01Z*	0.325
		-	3	1	-	GLC116MT003Z*	0.325
		4	-	-	-	GLC116MT004Z*	0.325
		2	2	-	-	GLC116MT008Z*	0.325

Solder pins for printed circuit boards

Motor power Pe(kW AC-3, 380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	-	GLC106MY10Z*	0.285
		3	-	-	1	GLC106MY01Z*	0.285
4	9	3	-	1	-	GLC109MY10Z*	0.285
		3	-	-	1	GLC109MY01Z*	0.285
		4	-	-	-	GLC109MY004Z*	0.285
		2	2	-	-	GLC109MY008Z*	0.285
5.5	12	3	-	1	-	GLC112MY10Z*	0.285
		3	-	-	1	GLC112MY01Z*	0.285
		4	-	-	-	GLC112MY004Z*	0.285
		2	2	-	-	GLC112MY008Z*	0.285
7.5	16	3	-	1	-	GLC116MY10Z*	0.285
		3	-	-	1	GLC116MY01Z*	0.285
		-	3	1	-	GLC116MY003Z*	0.285
		4	-	-	-	GLC116MY004Z*	0.285
		2	2	-	-	GLC116MY008Z*	0.285

Note: The "*" in the order code for GLC1M can be represented by the coil voltage code. To purchase DC control loop contactors, add Z to the order code, such as GLC106M10Z*.

Coil Voltage Us(V)	12	24	36	48	110	125	127	220	240	380	400	415
AC(50Hz)	-	B5	C5	E5	F5	-	FC5	M5	-	Q5	V5	N5
AC(50/60Hz)	-	B7	C7	E7	F7	-	FC7	M7	-	Q7	V7	N7
DC	JD	BD	-	ED	FD	GD	-	MD	MUD	-	-	-



Reversing Contactor

Select reversible contactors according to the type of use.
For integrated mechanical interlocks, connect the contacts to an electrical interlock and mount them on a 35mm guide rail or use 4 screws to secure them.

Screw clamping connection mode

Motor power Pe (kW AC-3，380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	-	GLC106M10N*	0.416
		3	-	-	1	GLC106M01N*	0.416
		-	3	1	-	GLC106M003N*	0.416
		4	-	-	-	GLC106M004N*	0.416
4	9	3	-	1	-	GLC109M10N*	0.416
		3	-	-	1	GLC109M01N*	0.416
		-	3	1	-	GLC109M003N*	0.416
		4	-	-	-	GLC109M004N*	0.416
		2	2	-	-	GLC109M008N*	0.416
5.5	12	3	-	1	-	GLC112M10N*	0.416
		3	-	-	1	GLC112M01N*	0.416
		-	3	1	-	GLC112M003N*	0.416
		4	-	-	-	GLC112M004N*	0.416
		2	2	-	-	GLC112M008N*	0.416
7.5	16	3	-	1	-	GLC116M10N*	0.416
		3	-	-	1	GLC116M01N*	0.416
		-	3	1	-	GLC116M003N*	0.416
		4	-	-	-	GLC116M004N*	0.416
		2	2	-	-	GLC116M008N*	0.416

Note: The "*" in the order code for GLC1M can be represented by the coil voltage code.

Control voltage code

Motor power Pe (kW AC-3，380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	-	GLC106MT10ZN*	0.665
		3	-	-	1	GLC106MT01ZN*	0.665
4	9	3	-	1	-	GLC109MT10ZN*	0.665
		3	-	-	1	GLC109MT01ZN*	0.665
		4	-	-	-	GLC109MT004ZN*	0.665
		2	2	-	-	GLC109MT008ZN*	0.665
5.5	12	3	-	1	-	GLC112MT10ZN*	0.665
		3	-	-	1	GLC112MT01ZN*	0.665
		4	-	-	-	GLC112MT004ZN*	0.665
		2	2	-	-	GLC112MT008ZN*	0.665
7.5	16	3	-	1	-	GLC116MT10ZN*	0.665
		3	-	-	1	GLC116MT01ZN*	0.665
		-	3	1	-	GLC116MT003ZN*	0.665
		4	-	-	-	GLC116MT004ZN*	0.665
		2	2	-	-	GLC116MT008ZN*	0.665

Solder pins for printed circuit boards

Motor power Pe (kW AC-3，380V)	Current Specification	Main contact		Auxiliary Contact		Model	Weight
kW	A	NO	NC	NO	NC		kg
2.2	6	3	-	1	-	GLC106MT10ZN*	0.585
		3	-	-	1	GLC106MT01ZN*	0.585
4	9	3	-	1	-	GLC109MT10ZN*	0.585
		3	-	-	1	GLC109MT01ZN*	0.585
		4	-	-	-	GLC109MT004ZN*	0.585
		2	2	-	-	GLC109MT008ZN*	0.585
5.5	12	3	-	1	-	GLC112MT10ZN*	0.585
		3	-	-	1	GLC112MT01ZN*	0.585
		4	-	-	-	GLC112MT004ZN*	0.585
		2	2	-	-	GLC112MT008ZN*	0.585
7.5	16	3	-	1	-	GLC116MT10ZN*	0.585
		3	-	-	1	GLC116MT01ZN*	0.585
		-	3	1	-	GLC116MT003ZN*	0.585
		4	-	-	-	GLC116MT004ZN*	0.585
		2	2	-	-	GLC116MT008ZN*	0.585

Note: The "*" in the order code for GLC1M can be represented by the coil voltage code.



LA-KN Auxiliary Contact Block

LA-KN

Installation Position	Contactor Type	Number of contacts per module	Contact form		Type	Weight kg
			NO	NC		kg
Top	GLC1-06~16M GLJ1	2	-	2	LA-KN02	0.033
			1	1	LA-KN11	0.033
			2	-	LA-KN20	0.033
		4	-	4	LA-KN04	0.044
			1	3	LA-KN13	0.044
			2	2	LA-KN22	0.044
			3	1	LA-KN31	0.045
			4	-	LA-KN40	0.045

GEYA® 格亚电气



GLJ1 series
Contactor-Type Relay

High Reliability

Suitable for High-Shock and High-Vibration Environments

Multiple Contact Types

Product Naming Rules

GL	J	1	-	2	2	T	24V
1	2	3		4	5	6	7

1 Corporate Code

2 AC Contactor

3 Design Serial Number

4 Contactor Type
0: 无
1: 1NO
2: 2NO
3: 3NO
4: 4NO

5 Contactor Type
0: 无
1: 1NC
2: 2NC
3: 3NC
4: 4NC

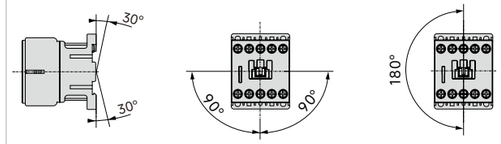
6 Connection mode
Omit: Screw clamping connection mode
T: Spring terminal connection (DC control only)
Y: Solder pins for printed circuit boards

7 Control Voltage
AC: 24V/36V/48V/110V/220V/380V/400V/415V
DC: 24V/48V/110V/220V

Product Feature

GLJ1 contactor relay: totally 5 specifications
Accessories: LA-KN top auxiliary contact
Certification:CE
Standards:IEC 60947-1 General provisions and IEC 60947-5-1

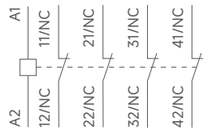
Technical Parameters

Contactor model			GLJ1
Work environment			
Rated insulation voltage (Ui)		V	690
Rated impulse withstand voltage (Uimp)		kV	6
Pollution class			2
Standardize			IEC 60947-1, IEC 60947-5-1, GB/T 14048.1, GB/T 14048.5
Certification			CCC
Product protection grade			IP20
Ambient temperature	Storage	°C	-50~+80
	work	°C	-40~+70
	Allowed to work under Us	°C	-40~+70
Vibration resistance	Contactor break		8gn
	Contactor closing		10gn
Maximum working altitude	No reduction capacity	m	2000
Working position The installation category is Class III	No reduction capacity		Allow 30° to normal vertical mounting surface 
Flame retardant rating	Comply with IEC 60695-2-1 standard	°C	Housing and base V0 rating

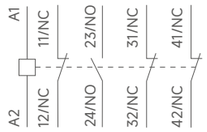
Contactor model			GLJ1
Main loop and control circuit wiring（Screw clamp the terminal）			
Soft wire Without terminal		mm^2	1×0.75-2×4
Soft wire With terminal		mm^2	1×0.34-1×1.5+1×2.5
Hard wire Without terminal		mm^2	1×1.5-2×4
Tool	Phillips screwdriver		Ph2
	Slotted point screwdriver		6
Tightening torque		N.m	1.2
Main loop and control circuit wiring（Spring terminal）			
Soft wire Without terminal		mm^2	1×0.75-1×2.5
Soft wire With terminal		mm^2	1×0.75-1×2.5
Hard wire Without terminal		mm^2	1×0.75-1×2.5
Tool	Flat-head screwdriver		3
Main loop and control circuit wiring（Solder pins for printed circuit boards）			
Positioning device with power supply and control circuit			4mm×35μm
Contact characteristic			
Rated control circuit voltage (Ue)		V	690
Frequency range	Working current	Hz	50、50/60
Conventional thermal current(Ith)	θ≤40°C	A	10
Minimum switching capacity	Umin	V	17
	Imin	A	5
overcurrent	1s	A	80
short-circuit protection	gG fuse	A	10
Rated switching capacity	Comply with IEC60947 standard	A	110
Ac control circuit characteristics			
Rated control circuit voltage (Us)	50Hz、50/60Hz	V	AC24V、AC36V、AC48V、AC110V、AC220V、AC380V、AC400V、AC415V
	DC	V	DC24V、DC48V、DC110V、DC220V
Allowable control circuit voltage (Us)	Operation	V	85%~110%Us
	Drop-out	V	AC 20%~70%Us;DC 10%~70%Us
Coil power	AC starting	VA	40
	AC release	VA	7
	DC starting	W	3~4
	DC release	W	3~4
thermal loss		W	1.3
Actuation time	Close"C"	ms	10~20
	Open"O"	ms	5~15
Mechanical life	Ten thousand times		900
Maximum operating frequency	Number of operations per hour (≤40°C)		3600

Wiring Diagram

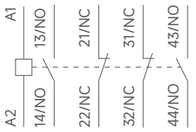
GLJ1-04



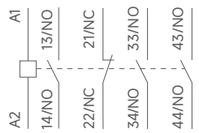
GLJ1-13



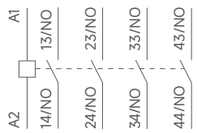
GLJ1-22



GLJ1-31

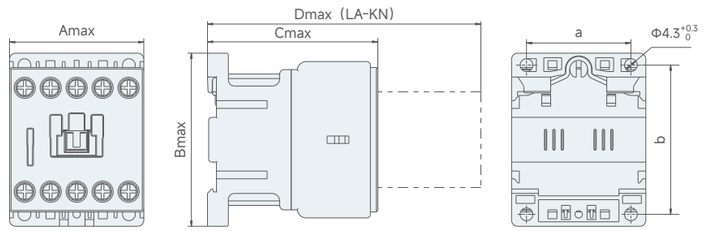


GLJ1-40



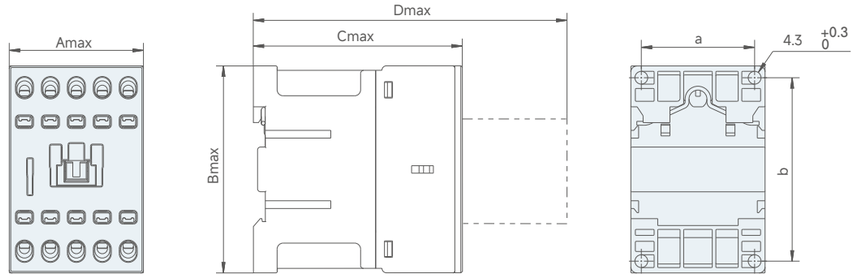
Overall and installation dimensions(mm)

GLJ1



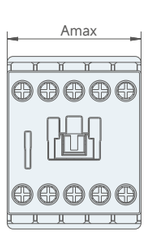
Model(mm)	Amax	Bmax	Cmax	Dmax	a	b
GLJ1	45.5	58.5	57.5	92	35	50
GLJ1Z	45.5	58.5	70	104	35	50

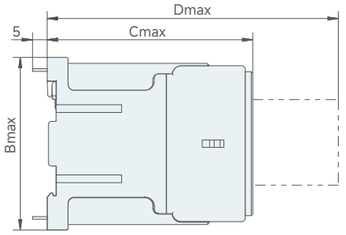
GLJ1TZ

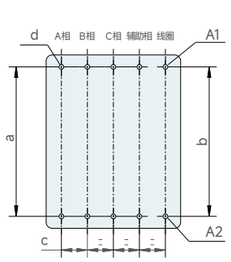


Model(mm)	Amax	Bmax	Cmax	Dmax	a	b
GLJ1TZ	45.5	69.5	70	104	38	61.5

GLJ1YZ







Model(mm)	Amax	Bmax	Cmax	Dmax	a	b	c	d
GLJ1YZ	45.5	58.5	70	104	50	50	8.7	1.6



GLJ1-22Z



GLJ1-22

Selection Table

Select the contactor according to the type of use. Mount it on a 35mm guide rail or use 4 screws to secure it.

Screw clamping connection mode

Control circuit Power dissipation	contact		Model	Weight
VA	NO	NC		kg
4.5	-	4	GLJ104*	0.197
	1	3	GLJ113*	0.197
	2	2	GLJ122*	0.197
	3	1	GLJ131*	0.197
	4	-	GLJ140*	0.197
	-	4	GLJ104Z*	0.275
	1	3	GLJ113Z*	0.275
	2	2	GLJ122Z*	0.275
	3	1	GLJ131Z*	0.275
	4	-	GLJ140Z*	0.275

Spring terminal connection mode

Control circuit Power dissipation	contact		Model	Weight
VA	NO	NC		kg
4.5	-	4	GLJ104TZ*	0.325
	1	3	GLJ113TZ*	0.325
	2	2	GLJ122TZ*	0.325
	3	1	GLJ131TZ*	0.325
	4	-	GLJ140TZ*	0.325

Solder pins for printed circuit boards

Control circuit Power dissipation	contact		Model	Weight
VA	NO	NC		kg
4.5	-	4	GLJ104YZ*	0.285
	1	3	GLJ113YZ*	0.285
	2	2	GLJ122YZ*	0.285
	3	1	GLJ131YZ*	0.285
	4	-	GLJ140YZ*	0.285

Control voltage code

Coil Voltage Us(V)	24	36	48	110	220	380	400	415
AC(50Hz)	B5	C5	E5	F5	M5	Q5	V5	N7
AC(50/60Hz)	B7	C7	E7	F7	M7	Q7	V7	N7
DC	BD	-	FD	FD	MD	-	-	-

GEYA® 格亚电气



GYHC series
Modular contactor

Ultra-Quiet Operation

Exceptional Long Service Life – 100,000 electrical endurance cycles (AC-7a)

Fully Automated Assembly and Testing Production Line

Professional design

Professional function analysis, tolerance analysis and simulation analysis ensure the rationality, reliability and consistency of product design.

Cutting-edge equipment

60% automated production line, key processes automated production, full process monitoring.

3D Design & Simulation Analysis

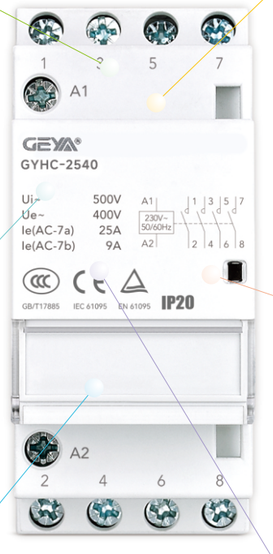
Advanced technologies such as 3D design and 3D printing are used for product development

Finest material selection & Standard

Custom plastic, brand silver point, elite craft
RoHS compliant

Rich model specifications

The GYHC series modular contactors have 2 use categories, 4 control voltages, 6-segment current specifications and 11 contact types to meet the needs of different market segments



Visualization window

The instruction window can indicate the on-off state of the contactor, make product action clear at a glance.

Transparent flip cover design

New transparent flip cover design for easy customer identification

Laser Marking

Laser marking, never fall off

Product Naming Rules

GY	H	C	-	16	10	AC230
1	2	3		4	5	6

1 Corporate Code

2 AC Contactor

3 Design Serial Number

5 Rated Current
16:16A 20:20A 25:25A
32:32A 40:40A 63:63A
100:100A

6 Contactor Type
10:1NO 03:3NC
01:1NC 31:3NO+1NC
11:1NO+1NC 22:2NO+2NC
20:2NO 40:4NO
02:2NC 04:4NC
30:3NO

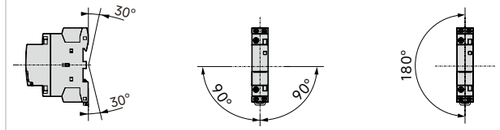
7 Control Voltage
AC24V AC48V
AC110V AC230V
DC12V（25A） DC24V

Product Feature

GYHC modular contactor: 16~100A,totally 7 current specifications
Accessories: AS side auxiliary contact, Distance piece
Certification:CE(TUV)、CB(TUV)
Standards:IEC 61095 and IEC 60947-1

Technical Parameters

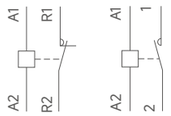
Contactor model			GYHC-16	GYHC-20	GYHC-25	GYHC-32	GYHC-40	GYHC-63	GYHC-100
Type			1P/2P/3P/4P						
Rated operating current(Ie)	AC-1(AC-7a)	A	16	20	25	32	40	63	100
	AC-3(AC-7b)	A	6	7	9	12	15	20	48
Rated control circuit voltage (Ue)		V	250(1P/2P);400(3P/4P)						
Poles			1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P
Rated operating power(Pe)	AC-7a Control heater	kW	3.5	-	4.4	-	5.5	16.8	-	-	8.8	26.9	13.8	42	22	67.2
	AC-7b control motor	kW	1.3	-	1.5	-	2.0	4.0	-	-	3.7	11	5.0	15	-	-
Work environment																
Rated insulation voltage(Ui)		V	500													
Rated impulse withstand voltage(Uimp)		kW	4													
Pollution class			2													
Standardize			IEC 61095, IEC 60947-1, GB/T 17885, GB/T 14048.1													
Certification			CE,CB													
Product protection grade			IP20													
Ambient temperature	Storage	℃	-60~-80													
	work	℃	-25~+60													
	Allowed to work under Us	℃	-40~+60													
Maximum working altitude	No reduction capacity	m	2000													

Contactor model			GYHC-16	GYHC-20	GYHC-25	GYHC-32	GYHC-40	GYHC-63	GYHC-100
Working position The installation category is Class III	No reduction capacity		Allow 30° to normal vertical mounting surface 						
Main circuit terminal wiring capability									
Hard wire		mm^2	1.5…6	1.5…6	1.5…6	6…25	6…25	6…25	6…25
Soft wire With terminal		mm^2	1…4	1…4	1…4	6…16	6…16	6…16	6…16
Tool	Phillips screwdriver		PH1	PH1	PH1	PH2	PH2	PH2	PH2
	Slotted point screwdriver		Φ4	Φ4	Φ4	Φ6	Φ6	Φ6	Φ6
Tightening torque		N.m	0.8	0.8	0.8	3.5	3.5	3.5	3.5
Control circuit connection									
Soft wire Without terminal		mm^2	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5
Soft wire With terminal		mm^2	2*2.5	2*2.5	2*2.5	2*2.5	2*2.5	2*2.5	2*2.5
Tool	Phillips screwdriver		PH1	PH1	PH1	PH1	PH1	PH1	PH1
	Slotted point screwdriver		Φ4	Φ4	Φ4	Φ4	Φ4	Φ4	Φ4
Tightening torque		N.m	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Main contact characteristics									
Rated operating current(Ie)	AC-1(AC-7a)	A	16	20	25	32	40	63	100
	AC-3(AC-7b)	A	6	7	9	12	15	20	48
Rated control circuit voltage (Ue)		V	250(1P/2P);400(3P/4P)						
Frequency range	Working current	Hz	50、50/60						
Conventional thermal current(Ith)	θ≤40°C	A	25			63			100
Electrical life	AC-7a	Ten thousand times	10						
AC control circuit characteristics									
Rated control circuit voltage (Us)	50/60Hz	V	24、48、110、230						
	DC	V	12、24						
Allowable control circuit voltage (Us)	Operation	V	75%~110%Us						
	Drop-out	V	AC 20%~70%Us;DC 10%~70%Us						
Coil power	50Hz starting CosΦ=0.75	VA	15	45	15	45	15	45	45	53	45	53	45	53	53	106
	50Hz release CosΦ=0.3	VA	4	6	4	6	4	6	6	6.5	6	6.5	6	6.5	6.5	13
thermal loss	50Hz	w	1.2	1.6	1.2	1.6	1.2	1.6	1.6	2.1	1.6	2.1	1.6	2.1	2.1	4.2
Actuation time	Close"C"	ms	15					17								
	Open"O"	ms	20					20								
Mechanical life	Ten thousand times		600						
Maximum operating frequency	Number of operations per hour (≤40°C)		3600						

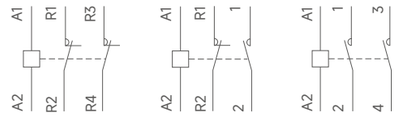
Contact module type			AS Side auxiliary contacts
Working environment			
Rated insulation voltage (Ui)		V	690
Rated impulse withstand voltage (Uimp)		kv	6
Standardize			IEC 60947-5-1, GB/T 14048.5,
Certification			CCC
Product protection grade			IP20
Ambient temperature	Storage	℃	-60~-80
	work	℃	-5~+40
	Allowed to work under Us	℃	-40~+60
Maximum working altitude	No reduction capacity	m	**2000**
Wiring	Phillips screwdriver PH2 and ∅6 Soft or hard wire, with or without terminal	mm^2	lowest：2*1.5； lowest：2×2.5；
Contact characteristic			
Rated operating current(Ie)	AC-15/DC-13	A	AC:0.95*DC:0.15
Rated control circuit voltage (Ue)	AC-15/DC-13	V	AC:380V/DC:220
Conventional thermal current(Ith)		A	10
Rated insulation voltage (Ui)	Comply with IEC60947 standard	V	690
Rated impulse withstand voltage (Uimp)	Comply with IEC60947 standard	kV	6
short-circuit protection	gG fuse	A	10
Rated switching capacity	Comply with IEC60947 standard	A	AC:140,DC:220
Insulation resistance		MΩ	> 10

Wiring Diagram

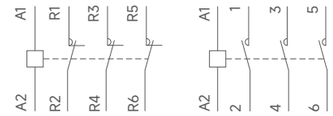
1P



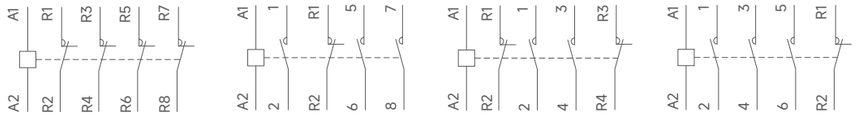
2P



3P

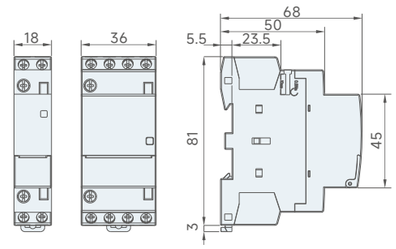


4P

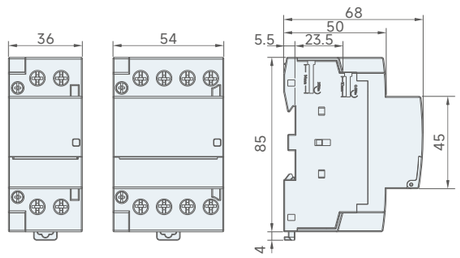


Overall and installation dimensions(mm)

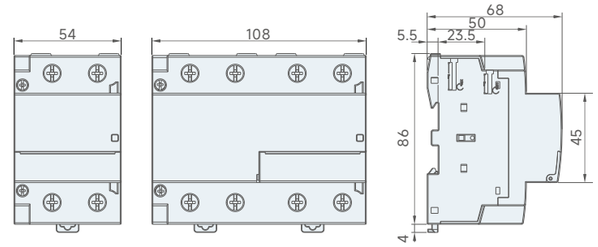
GYHC-16/20/25A



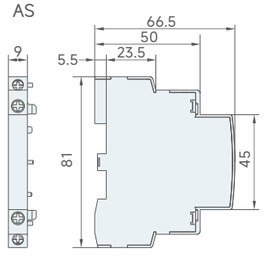
GYHC-32/40/63A



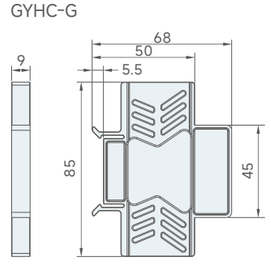
GYHC-100A



AS



GYHC-G





GYHC-2520



GYHC-2540



GYHC-6320



GYHC-6340



GYHC-10020



GYHC-10040

Selection Table

Model	Rated current		Width (mm)	Model	Weight
	AC-7a	AC-7b			kg
1P	25	9	18	GYHC2510*	0.119
	63	20	18	GYHC6310*	0.2315
2P	16	6	18	GYHC1620*	0.1265
	20	7	18	GYHC2020*	0.1265
	25	9	18	GYHC2511*	0.1265
	25	9	18	GYHC2520*	0.1265
	25	9	18	GYHC2502*	0.1265
	32	12	36	GYHC3220*	0.241
	40	15	36	GYHC4020*	0.241
	63	20	36	GYHC6311*	0.241
	63	20	36	GYHC6320*	0.241
	63	20	36	GYHC6302*	0.241
	100	48	54	GYHC10020*	0.32
	25	9	36	GYHC2530*	0.211
3P	40	15	54	GYHC4030*	0.308
	63	20	54	GYHC6330*	0.308
4P	16	6	36	GYHC1640*	0.218
	25	9	36	GYHC2540*	0.218
	25	9	36	GYHC2531*	0.218
	25	9	36	GYHC2522*	0.218
	25	9	36	GYHC2504*	0.218
	40	15	54	GYHC4040*	0.3175
	40	15	54	GYHC4022*	0.3175
	63	20	54	GYHC6340*	0.3175
	63	20	54	GYHC6331*	0.3175
	63	20	54	GYHC6322*	0.3175
	63	20	54	GYHC6304*	0.3175
	100	48	108	GYHC10040*	0.6315
	100	48	108	GYHC10022*	0.6315

Note: The "*" in the order code for GYHC can be represented by the coil voltage code.



Distance piece



AS Auxiliary Contact Module

Distance piece

Used to install on both sides of the contactor to facilitate heat dissipation of the contactor.

Installation Position	Contactor Type	Type	Weight kg
Side	GYHC/GHC6	GYHC-G	0.0173

AS Auxiliary Contact Module

Installation Position	Contactor Type	Number of contacts per module	Contact form		Type	Weight kg
			NO	NC		
Side	GYHC/GHC6	2	-	2	AS-02	0.0375
			1	1	AS-11	0.0375
			2	0	AS-20	0.0375

GEYA® 格亚电气



GHC6 series
Modular contactor

Ultra-Quiet Operation

Exceptional Long Service Life – 100,000 electrical endurance cycles (AC-7a)

Fully Automated Assembly and Testing Production Line

Product Naming Rules

GH	C	6	-	16	10	AC230
1	2	3		4	5	6

1 Corporate Code

2 AC Contactor

3 Modularization (house)

4 Rated Current
16:16A 20:20A 25:25A
32:32A 40:40A 63:63A
100:100A

5 Contactor Type

10:1NO	03:3NC
01:1NC	31:3NO+1NC
11:1NO+1NC	22:2NO+2NC
20:2NO	40:4NO
02:2NC	04:4NC
30:3NO	

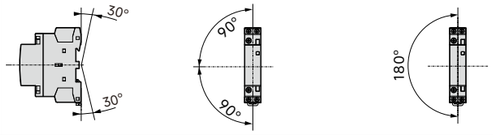
6 Control Voltage
AC24V AC48V
AC110V AC230V
DC12V(25A) DC24V

Product Feature

GHC6 modular contactor: 16~100A,totally 7 current specifications
Accessories: AS side auxiliary contact, Distance piece
Certification: CE(TUV)、CB(TUV)
Standards: IEC 61095 and IEC 60947-1

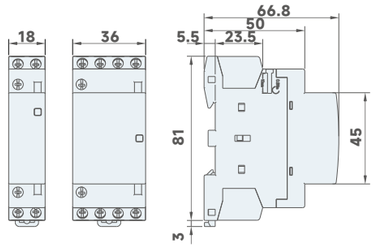
Technical Parameters

Contactor model			GHC6-16		GHC6-20		GHC6-25		GHC6-32		GHC6-40		GHC6-63		GHC6-100	
Type			1P/2P/3P/4P													
Rated operating current(Ie)	AC-1(AC-7a)	A	16		20		25		32		40		63		100	
	AC-3(AC-7b)	A	6		7		9		12		15		20		48	
Rated control circuit voltage (Ue)		V	250(1P/2P);400(3P/4P)													
Poles			1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P	1P/2P	3P/4P
Rated operating power(Pe)	AC-7a Control heater	kW	3.5	-	4.4	-	5.5	16.8	-	-	8.8	26.9	13.8	43	22	67.2
	AC-7b Control motor	kW	1.3	-	1.5	-	2.0	4.0	-	-	3.7	11	5.0	15	-	-
Work environment																
Rated insulation voltage (Ui)		V	500													
Rated impulse withstand voltage (Uimp)		kW	4													
Pollution class			2													
Standardize			IEC 61095, IEC 60947-1, GB/T 17885, GB/T 14048.1													
Certification			CCC,CE,CB													
Product protection grade			IP20													
Ambient temperature	Storage	°C	-60~-80													
	work	°C	-25~+60													
	Allowed to work under Us	°C	-40~+60													
Maximum working altitude	No reduction capacity	m	2000													

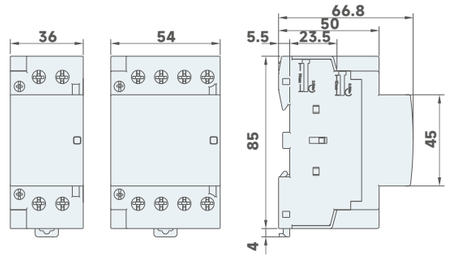
Contactor model			GHC6-16	GHC6-20	GHC6-25	GHC6-32	GHC6-40	GHC6-63	GHC6-100
Working position The installation category is Class III	No reduction capacity		Allow 30° to normal vertical mounting surface 						
Main circuit terminal wiring capability									
Hard wire		mm^2	1.5…6	1.5…6	1.5…6	6…25	6…25	6…25	6…25
Soft wire With terminal		mm^2	1…4	1…4	1…4	6…16	6…16	6…16	6…16
Tool	Phillips screwdriver		PH1	PH1	PH1	PH2	PH2	PH2	PH2
	Slotted point screwdriver		Φ4	Φ4	Φ4	Φ6	Φ6	Φ6	Φ6
Tightening torque		N.m	0.8	0.8	0.8	3.5	3.5	3.5	3.5
Control circuit connection									
Soft wire Without terminal		mm^2	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5
Soft wire With terminal		mm^2	2*2.5	2*2.5	2*2.5	2*2.5	2*2.5	2*2.5	2*2.5
Tool	Phillips screwdriver		PH1	PH1	PH1	PH1	PH1	PH1	PH1
	Slotted point screwdriver		Φ4	Φ4	Φ4	Φ4	Φ4	Φ4	Φ4
Tightening torque		N.m	0.8	0.8	0.8	0.8	0.8	0.8	0.8
Main contact characteristics									
Rated operating current(Ie)	AC-1(AC-7a)	A	16	20	25	32	40	63	100
	AC-3(AC-7b)	A	6	7	9	12	15	20	48
Rated control circuit voltage (Ue)			250(1P/2P);400(3P/4P)						
Frequency range	Working current	Hz	50、50/60						
	θ≤40°C	A	25			63			100
	AC-7a	Ten thousand times	10						
AC control circuit characteristics									
Rated control circuit voltage (Us)	50/60Hz	V	24、48、110、230						
	DC	V	12、24						
Allowable control circuit voltage (Us)	Operation	V	75%~110%Us						
	Drop-out	V	AC 20%~70%Us;DC 10%~70%Us						
Coil power	50Hz starting CosΦ=0.75	VA	15	45	15	45	15	45	45	53	45	53	45	53	53	106
	50Hz release CosΦ=0.3	VA	4	6	4	6	4	6	6	6.5	6	6.5	6	6.5	6.5	13
Thermal loss	50Hz	w	1.2	1.6	1.2	1.6	1.2	1.6	1.6	2.1	1.6	2.1	1.6	2.1	2.1	4.2
Actuation time	Close"C"	ms	15						17							
	Open"O"	ms	20						20							
Mechanical life	Ten thousand times		600													
Maximum operating frequency	Number of operations per hour (≤40°C)		3600													

Overall and installation dimensions(mm)

GHC6-16/20/25

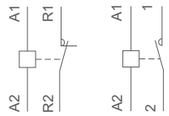


GHC6-32/40/63

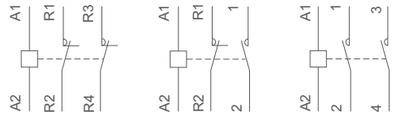


Wiring Diagram

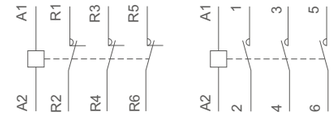
1P



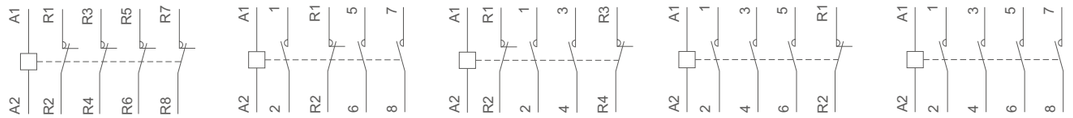
2P



3P



4P





GHC6-25/20



GHC6-25/40

Selection Table

Model	Rated current		Width	Model	Weight
	AC-7a	AC-7b	(mm)		kg
1P	25	9	18	GHC62510*	0.120
	63	20	18	GHC66310*	0.232
2P	16	6	18	GHC61620*	0.127
	20	7	18	GHC62020*	0.127
	25	9	18	GHC62511*	0.127
	25	9	18	GHC62520*	0.127
	25	9	18	GHC62502*	0.127
	32	12	36	GHC63220*	0.242
	40	15	36	GHC64020*	0.242
	63	20	36	GHC66311*	0.242
	63	20	36	GHC66320*	0.242
	63	20	36	GHC66302*	0.242
	100	48	54	GHC610020*	0.320
3P	25	9	36	GHC62530*	0.212
	40	15	54	GHC64030*	0.310
	63	20	54	GHC66330*	0.310



GHC6-63/20



GHC6-63/20

Model	Rated current		Width (mm)	Model	Weight
	AC-7a	AC-7b			kg
4P	16	6	36	GHC61640*	0.220
	25	9	36	GHC62540*	0.220
	25	9	36	GHC62531*	0.220
	25	9	36	GHC62522*	0.220
	25	9	36	GHC62504*	0.220
	40	15	54	GHC64040*	0.318
	40	15	54	GHC64022*	0.318
	63	20	54	GHC66340*	0.318
	63	20	54	GHC66331*	0.318
	63	20	54	GHC66322*	0.318
	63	20	54	GHC66304*	0.318
	100	48	108	GHC610040*	0.632
	100	48	108	GHC610022*	0.632

Note: The "*" in the order code for GHC6 can be represented by the coil voltage code.