



GYHC Series Modular Contactor

- Ultra-quiet
- Ultra-long life, AC-7a electrical life of 100,000 times
- Fully automatic 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, automated production of key processes, and full-process monitoring.

3D Design & Simulation Analysis

Advanced technologies such as 3D printing, simulation analysis, and tolerance analysis are fully used in product research and development

High Quality Material Selection & RoHS Standards

Customized plastic, branded silver dots, high-end craftsmanship, environmentally friendly and safe, RoHS compliant

Rich Models and Specifications

2 usage categories, 4 control voltages, 6 current specifications, and 11 contact types to meet the needs of different market segments

Visualization Window

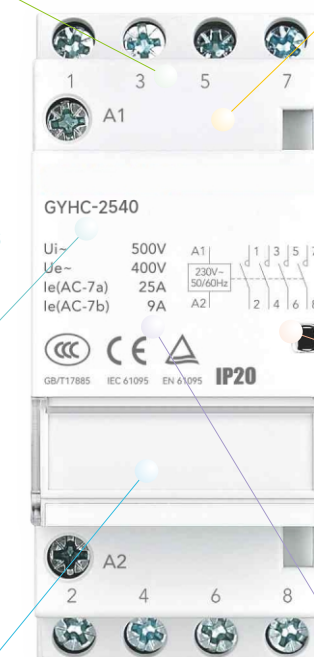
Indication window can indicate the on/off status of the contactor, making the product operation clear at a glance

Transparent Flip Cover Design

New transparent flip cover design for easy customer identification

Laser Marking

Laser marking, never falls off



Product Naming Rules

GY	H	C	-	16	10	AC230
1	2	3		4	5	6
1	Company Code			4	Rated current	
2	Modularization (home use)				16:16A 20:20A 25:25A 32:32A 40:40A 63:63A 100:100A	
3	AC contactor			5	Contact type	
					10:1NO 03:3NC AC24V AC48V 01:1NC 31:3NO+1NC AC110V AC230V 11:1NO+1NC 22:2NO+2NC DC12V (25A) DC24V 20:2NO 40:4NO 02:2NC 04:4NC 30:3NO	
				6	Coil voltage	

Product Features

GYHC modular contactor: 16~100A, 7 current specifications in total
Accessories: AS auxiliary contact module, GYHC-G spacer
Certification: CCC, CE, CB
Compliant with standards: IEC 61095, IEC 60947-1, GB/T 17885, GB/T 14048.1

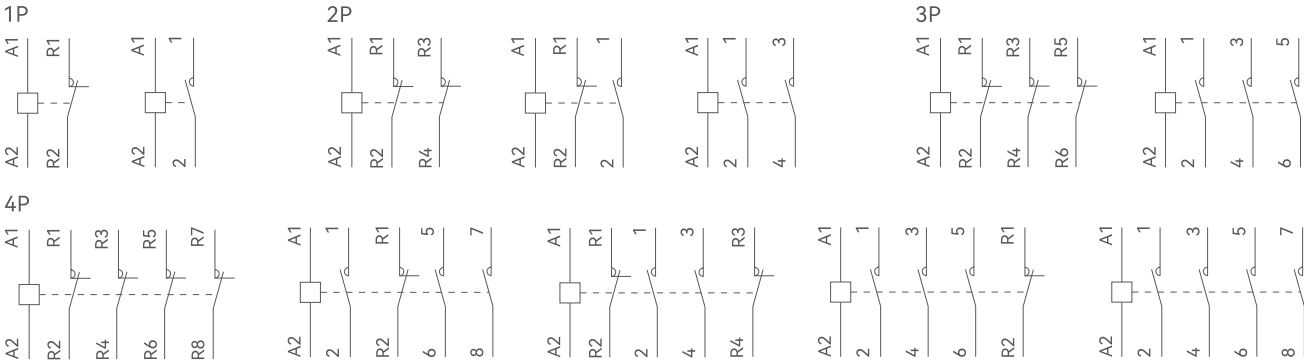
Technical Parameters

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 operating voltage (Ue)		V	250(1P/2P);400(3P/4P)													
Number of 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	3.7	-	4.6	-	5.8	17.3	-	-	9.2	27.6	27.7	43.6	23	69.3
	AC-7b Control motor	kW	0.9	-	1.3	-	1.3	4	-	-	3.7	11	5	15	-	-
Work Environment																
Rated insulation voltage(Ui)		V	500													
Rated impulse withstand voltage(Uimp)		kW	4													
Pollution level			2													
Comply with standards			IEC 61095, IEC 60947-1, GB/T 17885, GB/T 14048.1													
Product Certificate			CCC,CE,CB													
Protection level			IP20													
Ambient temperature	Store	℃	-60~-80													
	Work	℃	-25~+60													
	Permitted for use under U.S.	℃	-40~+60													
Maximum operating altitude	No derating	m	2000													

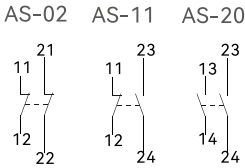
The installation category of the working position is Category III.			No derating		Allows 30° from the normal vertical installation surface													
Contactor model					GYHC-16	GYHC-20	GYHC-25	GYHC-32	GYHC-40	GYHC-63	GYHC-100							
Main circuit wiring																		
Hardwire		mm ²	1.5...6	1.5...6	1.5...6	6...25	6...25	6...25	6...25									
Flexible wire with terminal block		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									
	Flat-blade 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																		
Flexible cord without terminal blocks		mm ²	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5	2*1.5									
Flexible wire with terminal block		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									
	Flat-blade 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 operating voltage		V	250(1P/2P);400(3P/4P)															
Frequency range		Under working current Hz	50、 50/60															
Conventional heating current (Ith)		θ≤40℃ 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															
Rated control limit	Attraction	V	75%~110%Us															
	Release	V	AC 20%~70%Us;DC 10%~70%Us															
Average power consumption	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		
Heat 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		
Action time	Closure "C"	ms	15						17									
	Open "O"	ms	20						20									
Mechanical life		Ten thousand times	1000															
Maximum operating frequency		Operations per hour (≤40℃)	3600															

Contact module type			AS side-mounted auxiliary contact	
Work Environment				
Insulation rated voltage (Ui)		V	690	
Rated impulse withstand voltage (Uimp)		kv	6	
Comply with standards			IEC 60947-5-1, GB/T 14048.5,	
Product Certificate			CCC	
Protection level			IP20	
Ambient temperature	Store	℃	-60~-80	
	Work	℃	-5~+40	
	Permitted for use under U.S.	℃	-40~+60	
Maximum operating altitude	No derating	m	2000	
Wiring	Phillips screwdriver Ph1	mm ²	Lowest 2x1.5	
	Ø 4 Soft or hard wire With or without terminal blocks	mm ²	Lowest 2x2.5	
Contact specifications				
Rated operating current(Ie)	AC-15/DC-13	A	AC:0.95*DC:0.15	
Rated operating voltage	AC-15/DC-13	V	AC:380V/DC:220	
Conventional heating current (Ith)		A	10	
Rated insulation voltage (Ui)	Comply with IEC 60947 and GB14048 standards	V	690	
Rated impulse withstand voltage (Uimp)	Comply with IEC 60947 and GB14048 standards	kV	6	
Short circuit protection	gG fuse	A	10	
Rated making capacity	Comply with IEC 60947 and GB14048 standards	A	AC:140,DC:220	
Insulation resistance		MΩ	> 10	

Wiring Diagram

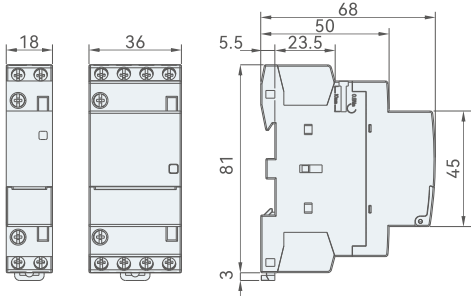


As side-hung

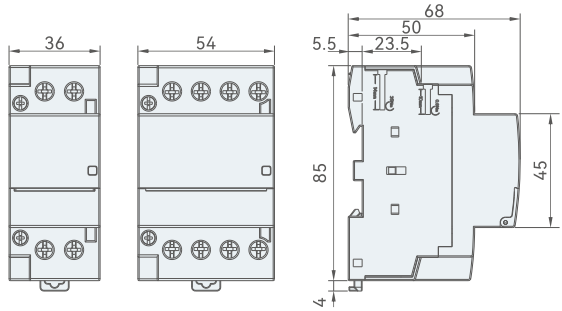


Appearance and Installation Dimensions

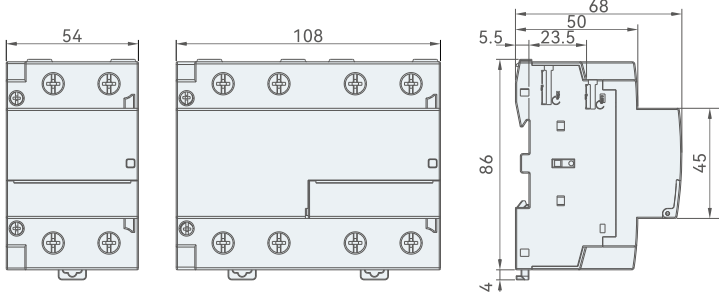
GYHC-16/20/25A



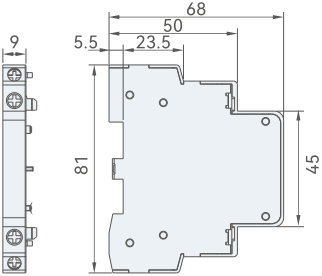
GYHC-32/40/63A



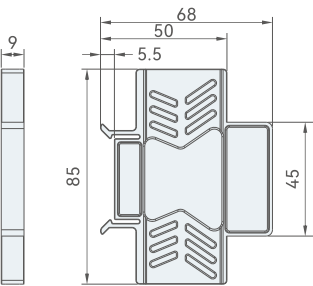
GYHC-100A



AS



KCH8-G





GYHC-2520



GYHC-2540



GYHC-6320



GYHC-6340



GYHC-10020



GYHC-10040

Selection Table

Type	Rated current		Width (mm)	Basic model	Weight
	AC-7a	AC-7b			
1P	25	9	18	GYHC2510*	0.119
	63	20	18	GYHC6310*	0.2315
2P	16	6	18	GYHC1620*	0.1265
	20	7	18	GYHC 2020*	0.1265
	25	9	18	GYHC 2511*	0.1265
	25	9	18	GYHC 2520*	0.1265
	25	9	18	GYHC 2502*	0.1265
	32	12	36	GYHC 3220*	0.241
	40	15	36	GYHC 4020*	0.241
	63	20	36	GYHC 6311*	0.241
	63	20	36	GYHC 6320*	0.241
	63	20	36	GYHC 6302*	0.241
	100	48	54	GYHC 10020*	0.32
	25	9	36	GYHC 2530*	0.211
3P	40	15	54	GYHC 4030*	0.308
	63	20	54	GYHC 6330*	0.308
4P	16	6	36	GYHC 1640*	0.218
	25	9	36	GYHC 2540*	0.218
	25	9	36	GYHC 2531*	0.218
	25	9	36	GYHC 2522*	0.218
	25	9	36	GYHC 2504*	0.218
	40	15	54	GYHC 4040*	0.3175
	40	15	54	GYHC 4022*	0.3175
	63	20	54	GYHC 6340*	0.3175
	63	20	54	GYHC 6331*	0.3175
	63	20	54	GYHC 6322*	0.3175
	63	20	54	GYHC 6304*	0.3175
	100	48	108	GYHC 10040*	0.6315
	100	48	108	GYHC 10022*	0.6315

Note: For GYHC, the “*” in the order code can be represented by the coil voltage code.

Spacers

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

Installation location	Applicable Products	Model	Weight kg
Side Mount	GYHC/GHC6	GYHC-G	0.0173



GYHC series modular contactor/GHC6 series modular contactor

Auxiliary contact modules

Installation location	Applicable Products	Number of contacts per module	Contact form		Model	Weight kg
			NO	NC		
Side Mount	GYHC/GHC6	2	-	2	AS-02	0.0375
			1	1	AS-11	0.0375
			2	0	AS-20	0.0375