

Motor Control and Protection Components

UEC1-16G...63G
Modular Contactors



INTRODUCTION



Sunban Industrial Park

Hongfa, (Shanghai Stock Exchange: 600885), founded in 1984, has been adhering to the enterprise spirit of “persevere for progress, strive for excellence”, and has built a complete industry system with complete categories and supporting facilities. At present, Hongfa has more than 30 subsidiaries and has established three districts of R & D and production bases. Its products cover various categories, such as medium and low voltage products, relays, high and low voltage switchgear, capacitors, precision parts and automation equipment.

Xiamen Hongfa Electrical Safety & Controls Co., Ltd. is a wholly-owned subsidiary of Hongfa, which specializes in R & D, design and manufacture medium and low voltage products. Its distribution apparatus, terminal apparatus, control apparatus and other products are widely used in real estate, electric power, new energy, industry, HVAC, transportation, information and other fields.

In the United States, Europe, Southeast Asia and other regions, Hongfa has established localized marketing and service networks with global market operation and technical service. Relying on professional and rigorous technical support, fast response and all-round service, safe and reliable product quality and high cost performance, Hongfa has reached business cooperation relationship with many global top 500 enterprises and other well-known enterprises, such as Enel, GE, Honeywell, Carrier, Trane, Johnson Controls, Danfoss, State Grid, China Southern Power Grid, CRRC, China Mobile, China Unicom, etc.



Donglin Industrial Park



Haicang Industrial Park



Zhongjiang Industrial Park



Zhangzhou Industrial Park



Zhoushan Industrial Park



Xi'an Factory

In terms of technology R & D and manufacturing, taking the national enterprise technology center as the platform, Hongfa has set up postdoctoral research workstation, academician and expert workstation. Now it has developed into a leading scientific research and production base in the industry. From product development, mold manufacturing, parts manufacturing, automated product assembly and online testing, Hongfa has successfully built an integrated whole industry chain of medium and low voltage products. In terms of product testing, Hongfa testing center has passed the certification of VDE, UL, CNAS and other international organizations, and has complete testing and analysis equipment for low-voltage products, such as 50kA ultimate short circuit test, 8kA electrical life test, 80kA characteristic test, mechanical simulation and testing system, electro-magnetic simulation and testing system.

Hongfa always adheres to the policy of "focused on the market, winning through quality", and has a completed quality assurance system. Its products have passed UL / CUL, VDE, CQC, CCC and other international safety certification. In the process of quality management, Hongfa actively implements the advanced quality concept, constantly improves the quality management system, continuously promotes the product process quality control and testing, strengthens the supply chain management, and is committed to providing each customer with high-quality products and creating greater value.

Advanced technology and strict quality control have created Hongfa's brand strength. Hongfa is willing to work hand in hand with global customers to share the convenience and well-being brought by science and technology.

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UEC1 Series

UEC1-16G...63G Modular Contactors

Product Overview

UEC1-16GC...63GC and UEC1-16GY...63GY modular contactors are specially designed for AC application. It can be used in both 50Hz and 60Hz electrical circuits with rated insulation voltage 440V, rated operational current 16A...63A at rated operational voltage 250V/400V, AC-1/AC-7a utilization category. These contactors are mainly used in buildings for switching and controlling lighting, heating, ventilation and pumps. Easily integrated with DIN rail thus suitable for quick installation in dedicated panels.

Product Features

- Optimized structure to be compatible with other modular contactors.
- Diversity of auxiliary blocks, which can be combined freely.
- Reliable performance even in harsh environment.

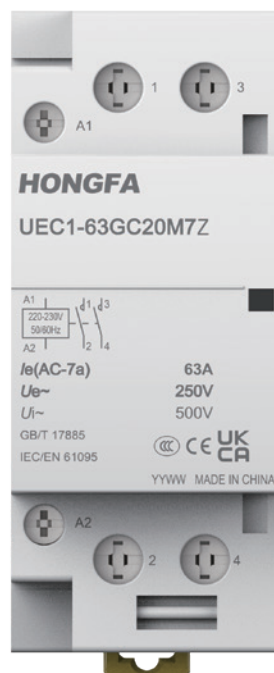
Design Features

- Optimize the contact design(All silver alloy sheet) and the technology to combine with contact bridge and contact board largely improving the electrical resistance performance.
- Consistent design approach, expressing the Hongfa brand.
- All UEC1 models can be mounted by 35mm DIN rail.

Typical Applications

These contactors are mainly used in buildings for switching and controlling lighting, heating, ventilation and pumps.

Product Appearance



Approval Certificate

	CCC	GB/T 14048.4, GB/T 17885, GB/T 14048.5
	CE	IEC/EN 60947-4-1, IEC/EN 61095, IEC/EN 60947-5-1
	UKCA	BS EN IEC 60947-4-1, BS EN 61095, BS EN 60947-5-1

Ordering Information

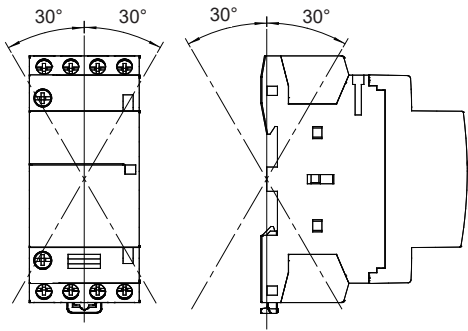
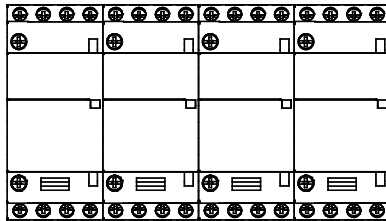
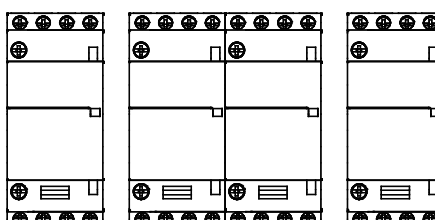
UEC1-G Contactors

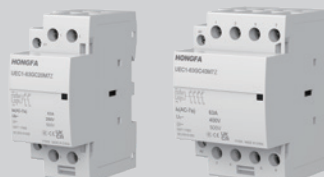
	UEC	1	-	25	GC	40	M7	Z
Contactor series								
Design series number								
Rated operational current at rated operational voltage 250/400V under AC-1/AC-7a utilization category								
16: 16A 40: 40A 20: 20A 63: 63A 25: 25A								
Product structure								
GC: Modular contactor (electromagnetic operation)								
GY: Modular contactor (electromagnetic + manual operation)								
Number of main NO / NC contacts								
10: 1NO 20: 2NO 03: 3NC 22: 2NO+2NC 01: 1NC 02: 2NC 40: 4NO 31: 3NO+1NC 11: 1NO+1NC 30: 3NO 04: 4NC								
Coil control voltage (AC supply - 50/60Hz)								
B7: 24V F7: 110V M7: 220-230V								
* Other coil versions on request								
Enhanced code								
Z: Enhanced version								

CA1GS Auxiliary Contact Blocks

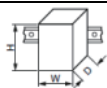
	CA	1	G	S	11
Auxiliary contact block					
Design series number					
For use on contactors					
G: Modular Contactors					
Mounting type					
S: Side mounting					
Number of auxiliary NO / NC contacts					
11: 1NO+1NC 20: 2NO					

Technical Data

Model		UEC1-16GC...25GC UEC1-16GY...25GY	UEC1-40GC...63GC UEC1-40GY...63GY
Parameters			
Operating environment			
Rated insulation voltage U_i (V)		AC-1:440,AC-7a/AC-7b:500	
Rated impulse withstand voltage U_{imp} (kV)		4	
Conforming to standards		GB/T 14048.4, GB/T 17885, IEC/EN 60947-4-1, IEC/EN 61095, BS EN IEC 60947-4-1, BS EN 61095	
Certifications		CCC, CE, UKCA	
Degree of protection		IP20	
Ambient air temperature (°C)	Storage	-40...+70	
	Operation	-25...+60	
Max. operating altitude(No derating)(m)		2000	
Pollution degree		3	
Mounting category		III	
Mounting type		35mm DIN rail	
Flame resistance		Current-carrying part: 850°C	
Operating position		Vertical mounting($\pm 30^\circ$) 	
		 Ambient air temperature $\leq 40^\circ\text{C}$	
		 $40^\circ\text{C} < \text{Ambient air temperature} \leq 60^\circ\text{C}$	

						
Model		UEC1 -16G C	UEC1 -20G C	UEC1 -25G C	UEC1 -40G C	UEC1 -63G C
Parameters						
Main circuit poles		1P/2P/ 3P/4P			1P/2P/ 3P/4P	
I _e (A) AC-1/AC -7a		16	20	25	40	63
I _e (A) AC -7b		6	7	8.5	15	25
Conventional thermal current I _{th} (A)		16	20	25	40	63
Rated operational power (kW) (AC1/AC-7a)	1P/2P: 250V	2.8	4	5.4	8.4	13
	3P/4P: 400V	4.5	7	9.5	12	20
Rated operational power (kW) (AC-7b)	1P/2P: 250V	1	1.2	1.5	2.4	3.8
	3P/4P: 400V	1.6	2	2.4	3.8	6
Electrical durability (10 ³ cycles) AC-7a		100	100	100	100	100
Max. electrical operating frequency (cycle s/h) AC-7a		600			360	
Mechanical durability (10 ⁶ cycles)		1			1	
Max. mechanical operating frequency (cycles/h)		1200			600	
Auxiliary contact blocks		CA1 GS11, CA1 GS20				
Outline dimension W x H x D (mm)		1P/2P:18 ×81×68 3P/4P: 36 ×81×68			1P/2P:36 ×85×68 3P/4P: 54 ×85×68	
Net weight (kg)		1P/2P:0.12 3P/4P:0.21			1P/2P:0.23 3P/4P:0.33	

Technical Data

						
Model		UEC1 -16GY	UEC1 -20GY	UEC1 -25GY	UEC1 -40GY	UEC1 -63GY
Parameters						
Main circuit poles		1P/2P/ 3P/4P			1P/2P/ 3P/4P	
I _e (A) AC-1/AC -7a		16	20	25	40	63
I _e (A) AC -7b		6	7	8.5	15	25
Conventional thermal current I _{th} (A)		16	20	25	40	63
Rated operational power (kW) (AC1/AC-7a)	1P/2P: 250V	2.8	4	5.4	8.4	13
	3P/4P: 400V	4.5	7	9.5	12	20
Rated operational power (kW) (AC-7b)	1P/2P: 250V	1	1.2	1.5	2.4	3.8
	3P/4P: 400V	1.6	2	2.4	3.8	6
Electrical durability (10 ³ cycles) AC-7a		100	100	100	100	100
Max. electrical operating frequency (cycle s/h) AC-7a		600			360	
Mechanical durability (10 ⁶ cycles)		1			1	
Max. mechanical operating frequency (cycles/h)		1200			600	
Auxiliary contact blocks		CA1GS11, CA1GS20				
Outline dimension  W x H x D (mm)		1P/2P:18 ×81×73 3P/4P: 36 ×81×73			1P/2P:36 ×85×73 3P/4P: 54 ×85×73	
Net weight (kg)		1P/2P:0.12 3P/4P:0.21			1P/2P:0.23 3P/4P:0.33	

Parameters		Model	UEC1-16GC...25GC						UEC1-40GC...63GC					
		UEC1-16GY...25GY						UEC1-40GY...63GY						
Coil control circuit, a.c. supply														
Poles			1P/2P			3P/4P			1P/2P			3P/4P		
Rated control voltage U _s (V) 50Hz/60Hz			24	110	220-230	24	110	220-230	24	110	220-230	24	110	220-230
Control voltage range	Operating voltage		0.85U _s ...1.1U _s											
	Drop-out voltage		0.2U _s ...0.75U _s											
Average consumption at 25°C 50Hz U _{smax}	Inrush (VA)		11	15	13	31	25	34	31	25	34	44	50	50
	Sealed (VA)		3.2	4.5	3.0	5.3	4.6	5.0	5.3	4.6	5.0	6.5	6.5	7.1
Operating time (ms) Between coil energization and	main NO contact closing		8...15						10...14					
	main NC contact opening		7...14						9...13					
Operating time (ms) Between coil de-energization and	main NO contact opening		9...18						5...11					
	main NC contact closing		10...19						8...12					

Parameters		Model	UEC1-16GC...25GC	UEC1-40GC...63GC
		UEC1-16GY...25GY	UEC1-40GY...63GY	
Power circuit connections				
Solid cable without cable end 	1 conductor (mm²)	1.5...6	6...25	
Flexible cable without cable end 	1 conductor (mm²)	1.5...6	6...25	
Flexible cable with cable end 	1 conductor (mm²)	1...4	6...16	
Screwdriver	Phillips screwdriver	N°2	N°2	
	Φ Slotted screwdriver	Φ 6	Φ 6	
Tightening torque (Nm)		1.2	3.5	
Coil circuit connections				
Solid cable without cable end 	1 conductor (mm²)	1.5...2.5		
	2 conductors (mm²)	1.5		
Flexible cable without cable end 	1 conductor (mm²)	1.5...2.5		
	2 conductors (mm²)	1.5		
Flexible cable with cable end 	1 conductor (mm²)	1...2.5		
Screwdriver	Phillips screwdriver	N°2		
	Φ Slotted screwdriver	Φ 6		
Tightening torque (Nm)		0.8		

Accessories - auxiliary contact blocks



Side mounting auxiliary contact block
CA1GS11/CA1GS20

Parameters		Model	CA1GS11/CA1GS20						
Standards			GB/T 14048.5, IEC 60947-5-1, EN 60947-5-1, BS EN 60947-5-1						
Certifications			CE, UKCA						
Degree of protection			IP20						
Ambient air temperature (°C)	Storage		-40...+70						
	Operation		-25...+60						
Max. operating altitude (No derating) (m)			2000						
Solid cable without cable end 	1 conductor (mm²)		1.5...2.5						
	2 conductors (mm²)		1.5						
Flexible cable without cable end 	1 conductor (mm²)		1.5...2.5						
	2 conductors (mm²)		1.5						
Flexible cable with cable end 	1 conductor (mm²)		1...25						
Screwdriver	Phillips screwdriver		N°2						
	Ø Slotted screwdriver		Ø6						
Tightening torque (Nm)			0.8						
Max. rated operating voltage U _e (V)			250						
Max. insulation voltage U _i (V)			440						
Min. switching capacity	U _{min} (V)		24						
	I _{min} (mA)		10						
A300 AC-15	Conventional enclosed thermal current I _{the} (A)		10						
	Rated operational voltage U _e (V)		120	240	-	-	-	-	-
	Rated operational current (A)		6	3	-	-	-	-	-
	Make apparent power VA rating (VA)		7200						
	Break apparent power VA rating (VA)		720						
Q300 DC-13	Conventional enclosed thermal current I _{the} (A)		2.5						
	Rated operational voltage U _e (V)		125	250	-	-	-	-	-
	Rated operational current (A)		0.55	0.27	-	-	-	-	-
	Make apparent power VA rating (VA)		69						
	Break apparent power VA rating (VA)		69						
For use on contactors			UEC1-16GC...63GC and UEC1-16GY...63GY						

Dimensions

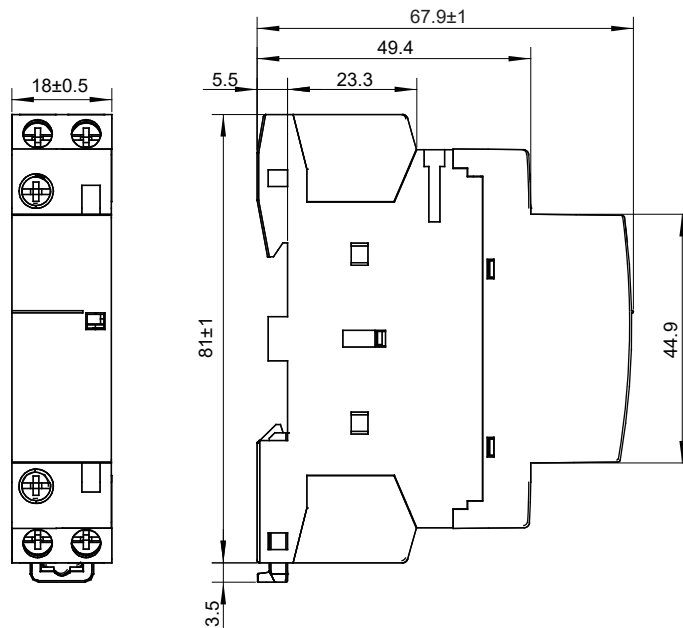


Figure 1 UEC1-16GC/20GC/25GC 2P Dimensions

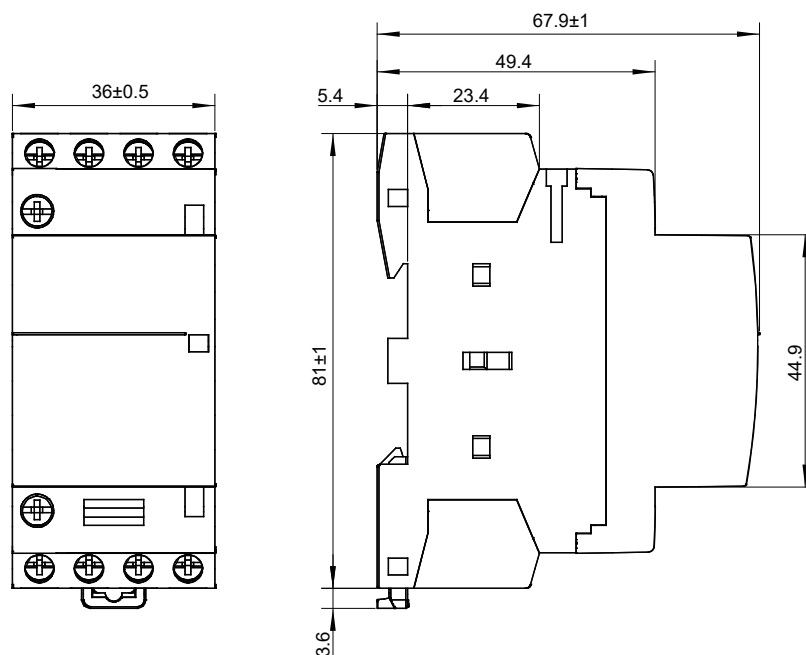


Figure 2 UEC1-16GC/20GC/25GC 4P Dimensions

Note: The unit is mm. The tolerance for other external dimensions: ± 1.5 , unless otherwise specified

Dimensions

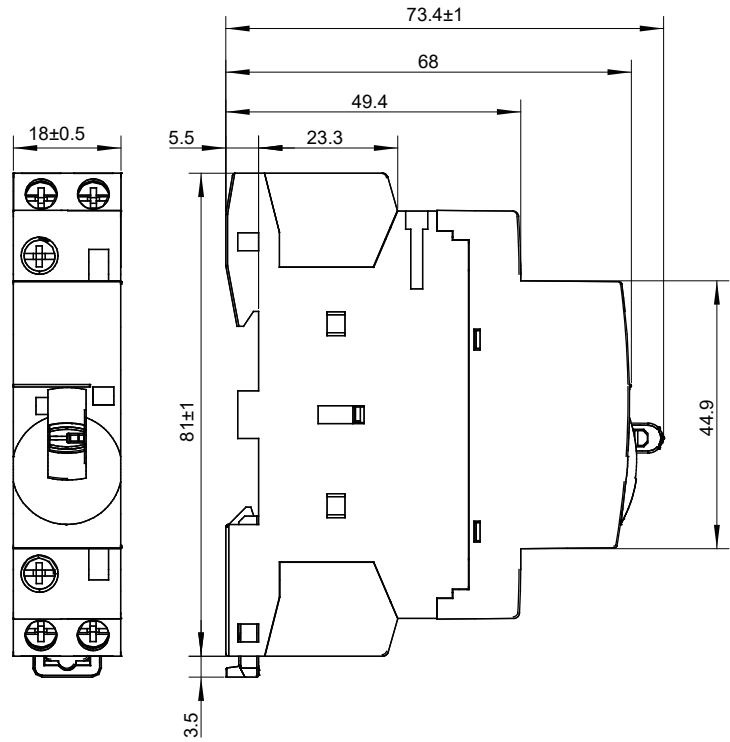


Figure 3 UEC1-16GY/20GY/25GY 2P Dimensions

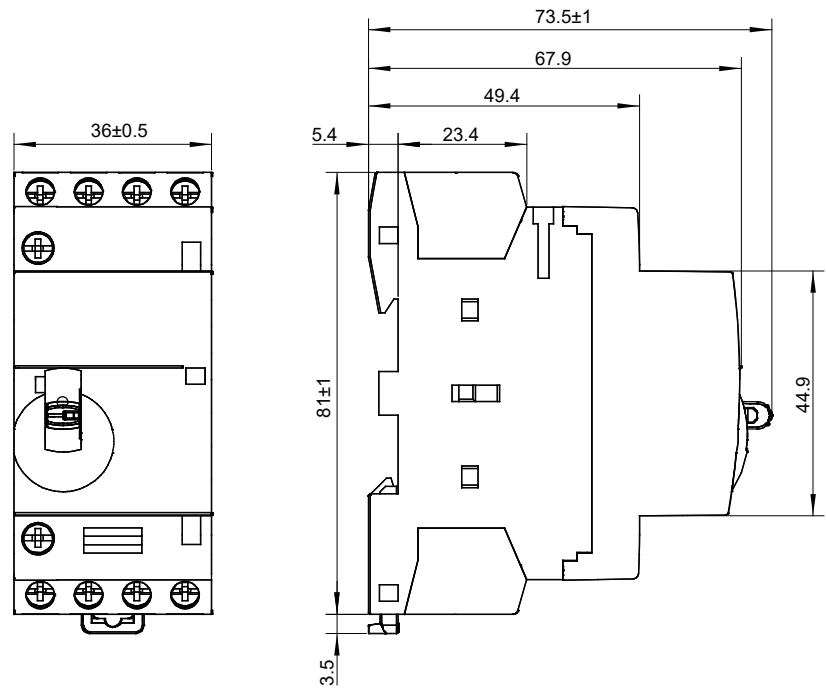


Figure 4 UEC1-16GY/20GY/25GY 4P Dimensions

Note:The unit is mm. The tolerance for other external dimensions: ± 1.5 , unless otherwise specified

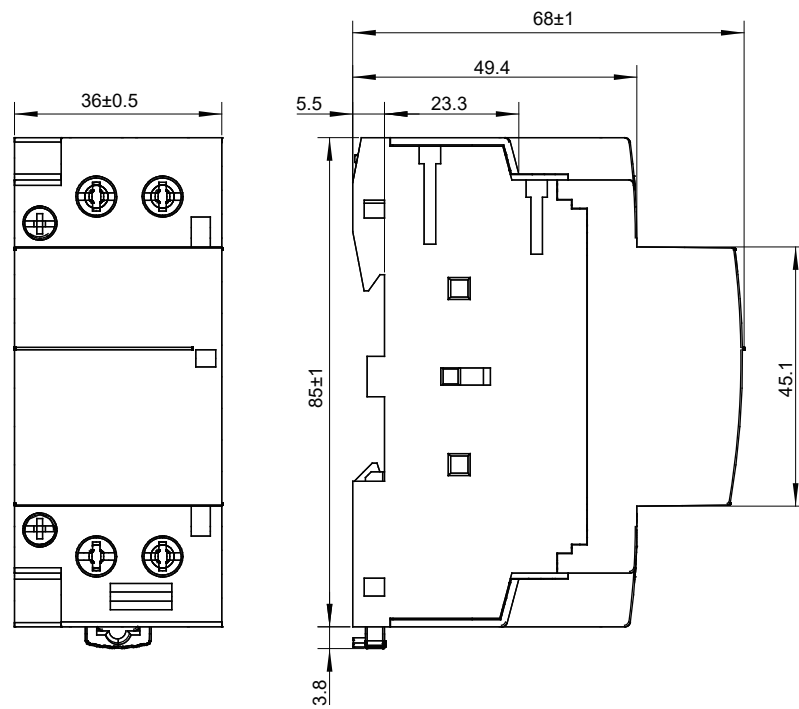


Figure 5 UEC1-40GC/63GC 2P Dimensions

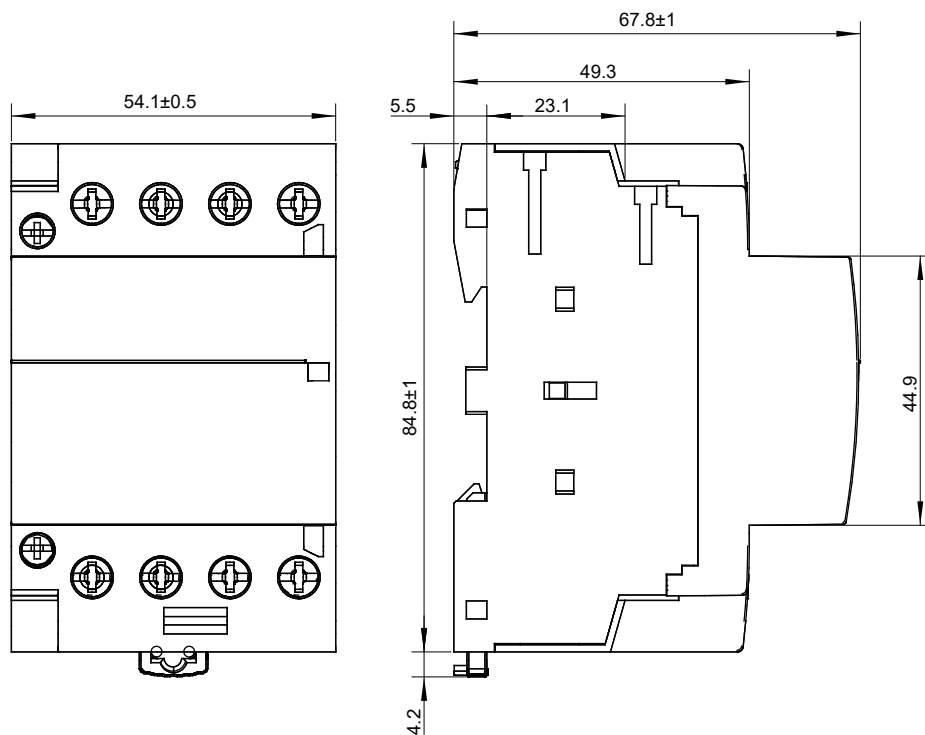


Figure 6 UEC1-40GC/63GC 4P Dimensions

Dimensions

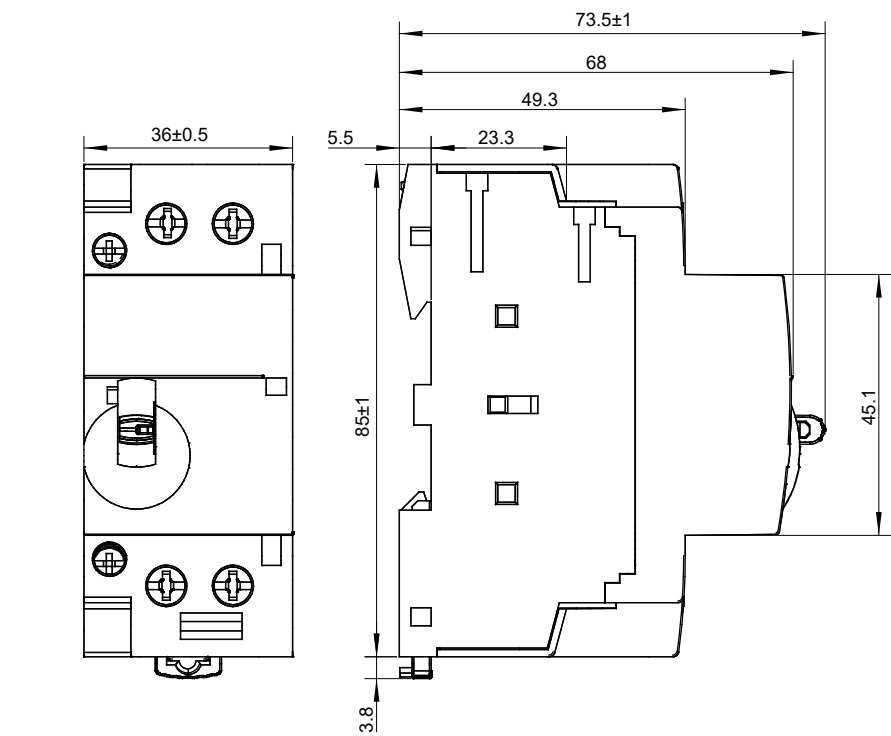


Figure 7 UEC1-40GY/63GY 2P Dimensions

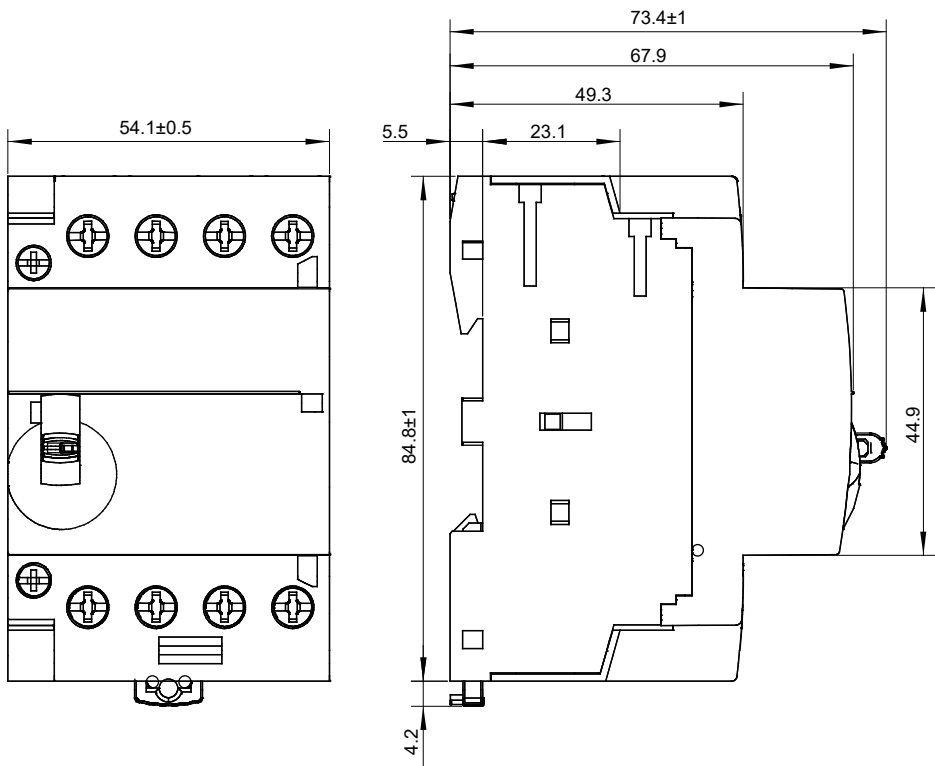


Figure 8 UEC1-40GY/63GY 4P Dimensions

Note:The unit is mm. The tolerance for other external dimensions: ± 1.5 , unless otherwise specified

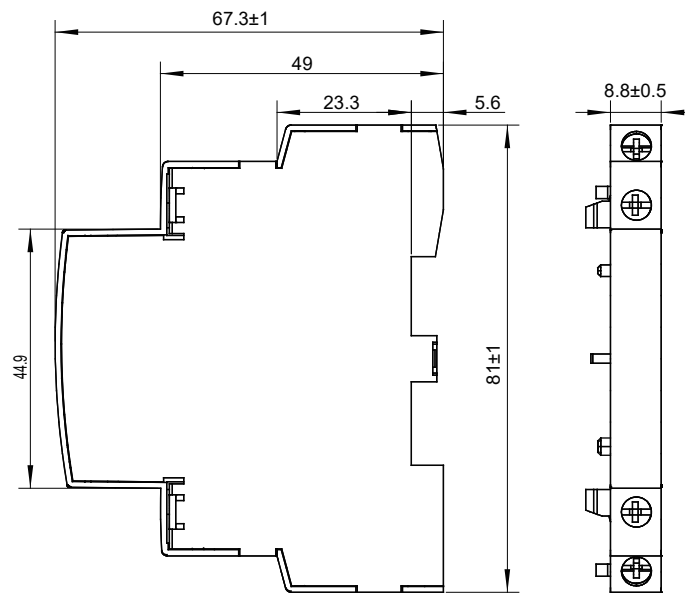


Figure 9 CA1GS11 and CA1GS20 Dimension

Circuit Diagram

Model	Circuit Diagram	Model	Circuit Diagram
UEC1-16GC10 ... UEC1-63GC10		UEC1-16GC01 ... UEC1-63GC01	
UEC1-16GC20 ... UEC1-63GC20		UEC1-16GC02 ... UEC1-63GC02	
UEC1-16GC11 ... UEC1-63GC11		UEC1-16GC30 ... UEC1-63GC30	
UEC1-16GC03 ... UEC1-63GC03		UEC1-16GC40 ... UEC1-63GC40	
UEC1-16GC04 ... UEC1-63GC04		UEC1-16GC22 ... UEC1-63GC22	
UEC1-16GC31 ... UEC1-63GC31			

Circuit Diagram

Model	Circuit Diagram	Model	Circuit Diagram
UEC1-16GY10 ... UEC1-63GY10		UEC1-16GY01 ... UEC1-63GY01	
UEC1-16GY20 ... UEC1-63GY20		UEC1-16GY02 ... UEC1-63GY02	
UEC1-16GY11 ... UEC1-63GY11		UEC1-16GY30 ... UEC1-63GY30	
UEC1-16GY03 ... UEC1-63GY03		UEC1-16GY40 ... UEC1-63GY40	
UEC1-16GY04 ... UEC1-63GY04		UEC1-16GY22 ... UEC1-63GY22	
UEC1-16GY31 ... UEC1-63GY31		CA1GS11	
CA1GS20			

Reference Selection Table

UEC1-16GC...63GC and UEC1-16GY...63GY contactors

Rated operational current AC-1/AC-7a 250V/400V	Rated operational current AC-7b 250V/400V	Number of main NO / NC contacts		Coil control voltage ⁽²⁾ 50Hz/60Hz	Reference ⁽¹⁾	Modular	Net weight (1 pc)
							
A	A			V		18mm	kg
16	6	1	0	24	UEC1-16GC10B7Z	1	0.11
				110	UEC1-16GC10F7Z		
				220-230	UEC1-16GC10M7Z		
		0	1	24	UEC1-16GC01B7Z		
				110	UEC1-16GC01F7Z		
				220-230	UEC1-16GC01M7Z		
		2	0	24	UEC1-16GC20B7Z	1	0.12
				110	UEC1-16GC20F7Z		
				220-230	UEC1-16GC20M7Z		
		0	2	24	UEC1-16GC202B7Z		
				110	UEC1-16GC02F7Z		
				220-230	UEC1-16GC02M7Z		
		1	1	24	UEC1-16GC11B7Z	1	0.12
				110	UEC1-16GC11F7Z		
				220-230	UEC1-16GC11M7Z		
		3	0	24	UEC1-16GC30B7Z	2	0.20
				110	UEC1-16GC30F7Z		
				220-230	UEC1-16GC30M7Z		
		0	3	24	UEC1-16GC03B7Z		
				110	UEC1-16GC03F7Z		
				220-230	UEC1-16GC03M7Z		
		4	0	24	UEC1-16GC40B7Z	2	0.21
				110	UEC1-16GC40F7Z		
				220-230	UEC1-16GC40M7Z		
		0	4	24	UEC1-16GC04B7Z		
				110	UEC1-16GC04F7Z		
				220-230	UEC1-16GC04M7Z		
		2	2	24	UEC1-16GC22B7Z	2	0.21
				110	UEC1-16GC22F7Z		
				220-230	UEC1-16GC22M7Z		
		3	1	24	UEC1-16GC31B7Z		
				110	UEC1-16GC31F7Z		
				220-230	UEC1-16GC31M7Z		

UEC1-16GC...63GC and UEC1-16GY...63GY contactors (continued)

Rated operational current AC-1/AC-7a 250V/400V	Rated operational current AC-7b 250V/400V	Number of main NO / NC contacts		Coil control voltage ⁽²⁾ 50Hz/60Hz	Reference ⁽¹⁾	Modular	Net weight (1pc)
							
A	A			V		18mm	kg
20	7	1	0	24	UEC1-20GC10B7Z	1	0.11
				110	UEC1-20GC10F7Z		
				220-230	UEC1-20GC10M7Z		
		0	1	24	UEC1-20GC01B7Z		
				110	UEC1-20GC01F7Z		
				220-230	UEC1-20GC01M7Z		
		2	0	24	UEC1-20GC20B7Z	1	0.12
				110	UEC1-20GC20F7Z		
				220-230	UEC1-20GC20M7Z		
		0	2	24	UEC1-20GC202B7Z		
				110	UEC1-20GC02F7Z		
				220-230	UEC1-20GC02M7Z		
		1	1	24	UEC1-20GC11B7Z	1	0.12
				110	UEC1-20GC11F7Z		
				220-230	UEC1-20GC11M7Z		
		3	0	24	UEC1-20GC30B7Z	2	0.20
				110	UEC1-20GC30F7Z		
				220-230	UEC1-20GC30M7Z		
		0	3	24	UEC1-20GC03B7Z		
				110	UEC1-20GC03F7Z		
				220-230	UEC1-20GC03M7Z		
		4	0	24	UEC1-20GC40B7Z	2	0.21
				110	UEC1-20GC40F7Z		
				220-230	UEC1-20GC40M7Z		
		0	4	24	UEC1-20GC04B7Z		
				110	UEC1-20GC04F7Z		
				220-230	UEC1-20GC04M7Z		
		2	2	24	UEC1-20GC22B7Z	2	0.21
				110	UEC1-20GC22F7Z		
				220-230	UEC1-20GC22M7Z		
		3	1	24	UEC1-20GC31B7Z		
				110	UEC1-20GC31F7Z		
				220-230	UEC1-20GC31M7Z		

Reference Selection Table

UEC1-16GC...63GC and UEC1-16GY...63GY contactors (continued)

Rated operational current AC-1/AC-7a 250V/400V	Rated operational current AC-7b 250V/400V	Number of main NO / NC contacts		Coil control voltage ⁽²⁾ 50Hz/60Hz	Reference ⁽¹⁾	Modular	Net weight (1pc)
							
A	A			V		18mm	kg
25	8.5	1	0	24	UEC1-25GC10B7Z	1	0.11
				110	UEC1-25GC10F7Z		
				220-230	UEC1-25GC10M7Z		
		0	1	24	UEC1-25GC01B7Z		
				110	UEC1-25GC01F7Z		
				220-230	UEC1-25GC01M7Z		
		2	0	24	UEC1-25GC20B7Z	1	0.12
				110	UEC1-25GC20F7Z		
				220-230	UEC1-25GC20M7Z		
		0	2	24	UEC1-25GC202B7Z		
				110	UEC1-25GC202F7Z		
				220-230	UEC1-25GC202M7Z		
		1	1	24	UEC1-25GC11B7Z	1	0.20
				110	UEC1-25GC11F7Z		
				220-230	UEC1-25GC11M7Z		
		3	0	24	UEC1-25GC30B7Z	2	0.21
				110	UEC1-25GC30F7Z		
				220-230	UEC1-25GC30M7Z		
		0	3	24	UEC1-25GC03B7Z		
				110	UEC1-25GC03F7Z		
				220-230	UEC1-25GC03M7Z		
		4	0	24	UEC1-25GC40B7Z	2	0.21
				110	UEC1-25GC40F7Z		
				220-230	UEC1-25GC40M7Z		
		0	4	24	UEC1-25GC04B7Z		
				110	UEC1-25GC04F7Z		
				220-230	UEC1-25GC04M7Z		
		2	2	24	UEC1-25GC22B7Z	2	0.21
				110	UEC1-25GC22F7Z		
				220-230	UEC1-25GC22M7Z		
		3	1	24	UEC1-25GC31B7Z		
				110	UEC1-25GC31F7Z		
				220-230	UEC1-25GC31M7Z		

UEC1-16GC...63GC and UEC1-16GY...63GY contactors (continued)

Rated operational current AC-1/AC-7a 250V/400V	Rated operational current AC-7b 250V/400V	Number of main NO / NC contacts		Coil control voltage ⁽²⁾ 50Hz/60Hz	Reference ⁽¹⁾	Modular	Net weight (1pc)
							
A	A			V		18mm	kg
40	15	1	0	24	UEC1-40GC10B7Z	2	0.22
				110	UEC1-40GC10F7Z		
				220-230	UEC1-40GC10M7Z		
		0	1	24	UEC1-40GC01B7Z		
				110	UEC1-40GC01F7Z		
				220-230	UEC1-40GC01M7Z		
		2	0	24	UEC1-40GC20B7Z	2	0.23
				110	UEC1-40GC20F7Z		
				220-230	UEC1-40GC20M7Z		
		0	2	24	UEC1-40GC202B7Z		
				110	UEC1-40GC02F7Z		
				220-230	UEC1-40GC02M7Z		
		1	1	24	UEC1-40GC11B7Z	2	0.32
				110	UEC1-40GC11F7Z		
				220-230	UEC1-40GC11M7Z		
		3	0	24	UEC1-40GC30B7Z	3	0.33
				110	UEC1-40GC30F7Z		
				220-230	UEC1-40GC30M7Z		
		0	3	24	UEC1-40GC03B7Z		
				110	UEC1-40GC03F7Z		
				220-230	UEC1-40GC03M7Z		
		4	0	24	UEC1-40GC40B7Z	3	0.33
				110	UEC1-40GC40F7Z		
				220-230	UEC1-40GC40M7Z		
		0	4	24	UEC1-40GC04B7Z		
				110	UEC1-40GC04F7Z		
				220-230	UEC1-40GC04M7Z		
		2	2	24	UEC1-40GC22B7Z	3	0.33
				110	UEC1-40GC22F7Z		
				220-230	UEC1-40GC22M7Z		
		3	1	24	UEC1-40GC31B7Z		
				110	UEC1-40GC31F7Z		
				220-230	UEC1-40GC31M7Z		

Reference Selection Table

UEC1-16GC...63GC and UEC1-16GY...63GY contactors (continued)

Rated operational current AC-1/AC-7a 250V/400V	Rated operational current AC-7b 250V/400V	Number of main NO / NC contacts		Coil control voltage ⁽²⁾ 50Hz/60Hz	Reference ⁽¹⁾	Modular	Net weight (1 pc)
							
A	A			V		18mm	kg
63	25	1	0	24	UEC1-63GC10B7Z	2	0.22
				110	UEC1-63GC10F7Z		
				220-230	UEC1-63GC10M7Z		
		0	1	24	UEC1-63GC01B7Z		
				110	UEC1-63GC01F7Z		
				220-230	UEC1-63GC01M7Z		
		2	0	24	UEC1-63GC20B7Z	2	0.23
				110	UEC1-63GC20F7Z		
				220-230	UEC1-63GC20M7Z		
		0	2	24	UEC1-63GC202B7Z		
				110	UEC1-63GC02F7Z		
				220-230	UEC1-63GC02M7Z		
		1	1	24	UEC1-63GC11B7Z	2	0.32
				110	UEC1-63GC11F7Z		
				220-230	UEC1-63GC11M7Z		
		3	0	24	UEC1-63GC30B7Z	3	0.33
				110	UEC1-63GC30F7Z		
				220-230	UEC1-63GC30M7Z		
		0	3	24	UEC1-63GC03B7Z		
				110	UEC1-63GC03F7Z		
				220-230	UEC1-63GC03M7Z		
		4	0	24	UEC1-63GC40B7Z	3	0.33
				110	UEC1-63GC40F7Z		
				220-230	UEC1-63GC40M7Z		
		0	4	24	UEC1-63GC04B7Z		
				110	UEC1-63GC04F7Z		
				220-230	UEC1-63GC04M7Z		
		2	2	24	UEC1-63GC22B7Z	3	0.33
				110	UEC1-63GC22F7Z		
				220-230	UEC1-63GC22M7Z		
		3	1	24	UEC1-63GC31B7Z		
				110	UEC1-63GC31F7Z		
				220-230	UEC1-63GC31M7Z		

UEC1-16GC...63GC and UEC1-16GY...63GY contactors (continued)

Coil control voltage (V) (50Hz/60Hz)	24	110	220-230
Coil control voltage code	B7	F7	M7

Note :

(1) "GC" (stand for electromagnetic operation) can be changed to "GY" (stand for electromagnetic + manual operation) reference in the table above. For detail information about reference, please refer Page 6.

(2) Coil control voltage code as followed (other coil versions on request).

Reference Selection Table

CA1GS auxiliary contact blocks

Mounting type		Switching capacity	Auxiliary contacts ⁽¹⁾		Reference	Modular	Net weight (1pc)
							
Side mounting		A300	2	0	CA1GS20	18mm	kg
		Q300	1	1	CA1GS11	0.5	0.035

Note :

⁽¹⁾ ALL the above auxiliary contacts are all instantaneous auxiliary contacts.

Information for Use

Altitude dependent compensation factor

-The rarefied atmosphere at high altitude reduces the dielectric strength of the air and hence the rated operational voltage of the contactor. It also reduces the cooling effect of the air and hence the rated operational current of the contactor (unless the temperature drops at the same time).

-At an altitude of less than 2000m, no significant effect on the performance of the product. When the altitude is above

Altitude(m)	Rated operational voltage	Rated operational current
≤2500	0.90	0.92
≤3000	0.80	0.90
≤3500	0.70	0.88
≤4000	0.60	0.86

Technical parameter explanation

-Parameters contained in this catalogue such as electrical durability and mechanical durability are based on standard samples' test results, and the actual use may differ from these due to the difference of environment, operating frequency, devices etc.

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Printed in April 2023