

EN 61095, IEC61095, GB17885

WCT Contactors Description:

The WCT Series Module Contactors are used to control single and three-phase loads up to 63A and operated by AC voltage. The contactors can be used in household applications as well as in industrial environments. WCT contactors can be combined with auxiliary control, protection and indication functions.

WCT Contactor have two type:

- without handle operate type
- with handle operate type

Contactors

WCT 2P



WCT 4P



- WCT contactors can be used to remote control applications in alternative networks:
 - lighting, heating, ventilation, roller blinds, sanitary hot water
 - mechanical ventilation systems, etc
 - load-shedding of non-priority circuits

Contactors



Indication BACTs

- This auxiliary allows indication or control of the "open" or "closed" position of the contactor power contacts



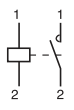
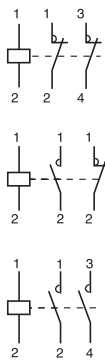
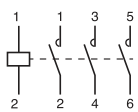
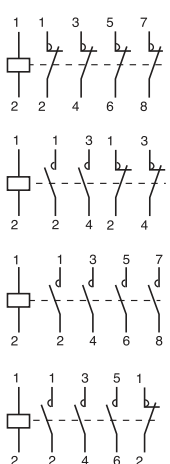
Dual control BACTc

- Used to control a contactor in impulse-type mode or to combine latched or impulse-type control orders

Contactors auxiliaries

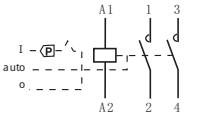
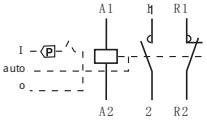
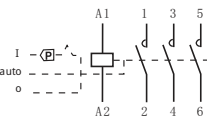
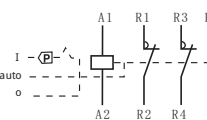
Type	Contactor
Rating	A 16 20 25 32 40 63 100
Auxiliaries	Yes
BACTs indication auxiliary	Yes
BACTc control auxiliary	By yellow clips Yes

SPECIFICATION

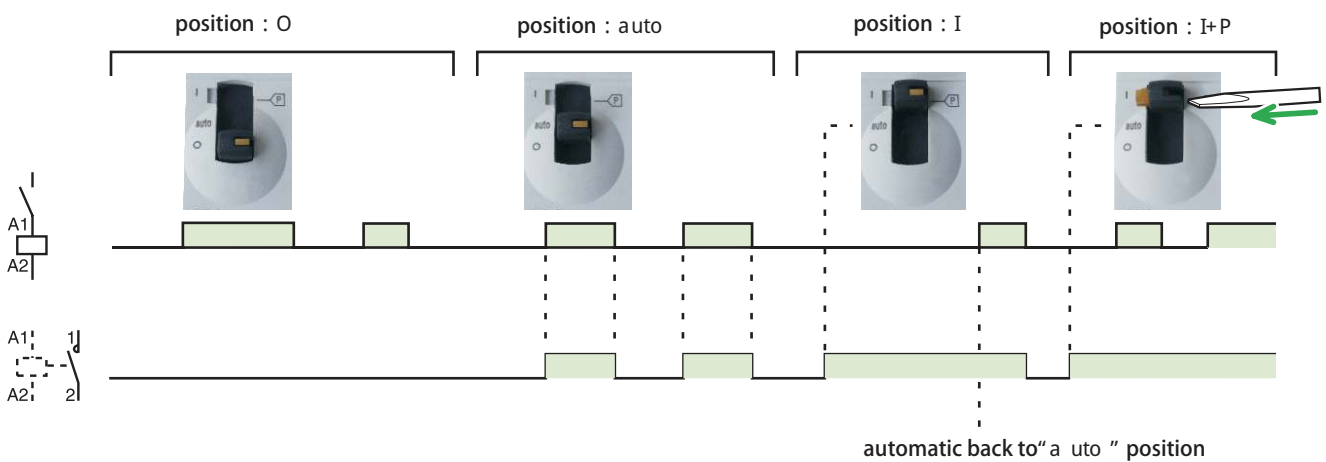
WCT Automatic Contactor - 50Hz					
Item	Rated Current In		Operated Voltage (VAC)(50Hz)	Contact No.	width (multiple 9mm)
	AC7a	AC7b			
1P 	25A	8.5A	230...240	1NO	2
2P 	16A	6A	230...240	2NO	2
			230...240	1NO+1NC	2
	25A	8.5A	24	2NO	2
			230...240	2NO	2
			230...240	2NC	2
	40A	15A	220...240	2NO	4
	63A	20A	220...240	2NO	4
	100A	-	220...240	2NO	6
3P 	25A	8.5A	220...240	3NO	4
	40A	15A	220...240	3NO	6
	63A	20A	220...240	3NO	6
4P 	16A	6A	220...240	2NO+2NC	4
	25A	8.5A	24	4NO	4
			220...240	4NO	4
			24	4NC	4
			220...240	4NC	4
			220...240	2NO+2NC	4
	40A	15A	220...240	4NO	6
			220...240	4NC	6
	63A	20A	220...240	4NO	6
			220...240	4NC	6
			220...240	2NO+2NC	6
			220...240	3NO+1NC	6
	100A	-	220...240	4NO	12

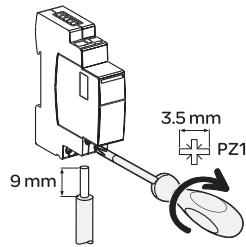
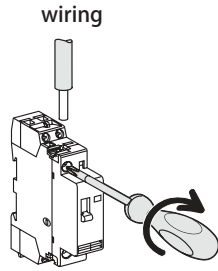
SPECIFICATION

WCT Handle Operation Contactor 50Hz

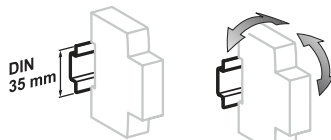
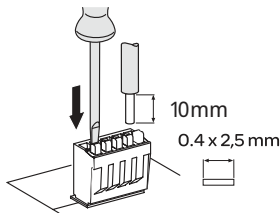
Item	Rated Current(In)		Operated Voltage (VAC)(50Hz)	Contact No.	Width (multiple 9mm)
	AC7a	AC7b			
	25A	8.5A	230...240	2NO	2
	40A	15A	220...240	2NO	4
	63A	20A	220...241	2NO	4
	25A	8.5A	220...240	4NO	4
	40A	15A	220...240	4NO	6
	63A	20A	220...241	4NO	6
	25A	8.5A	220...240	4NO	4
	40A	15A	220...240	4NO	6
	63A	20A	220...241	4NO	6
	25A	8.5A	220...240	4NO	4
	40A	15A	220...240	4NO	6
	63A	20A	220...241	4NO	6

Handle (Handle Operate Contactor)

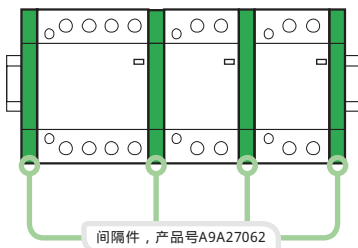
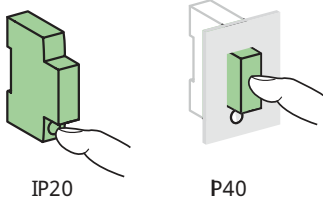




Ti24 Connection



Mounted on 35mm standard din-rail ± 30° vertical



Item	Rated Current	Striping Length	Circuit	Torque	copper wire	
					hard wire	soft wire or terminal
WCT	PZ1:4mm	16- 100A	control circuit	0.8Nm	1.5 □2.5mm: 2 × .15mm ²	1.5 □2.5mm: 2 × 25mm ²
		16, 25A			1.5 × 6mm ²	1 □4mm ²
	PZ2:6mm	40A- 63A 100A	power circuit	3.5Nm	6 × 2.5mm ² 6 × 3.5mm ²	6 □16mm ² 6~35mm ²
WCTs,WCTc	PZ1:4mm	-	-	0.8Nm	1.5 × 25mm ² 2 × .15mm ²	1.5 × 25mm ² 2 × 25mm ²

Type	Wiring Terminal	Rated Torque	copper wire		
			hard wire	soft wire	Hoop terminal
ACT24	power(N/P)	1 Nm	0.5 □10mm ² : 2× 0.5 □ 2× 2.5mm ²	0.5 □6mm ² : 2× 0.5 □ 2× 2.5mm ²	0.5 □4mm ² : 2× 0.5 □ 2× 2.5mm ²
	input(Y1/Y2)				

Type	Wiring Terminal	item no.	copper wire	
			hard wire	soft wire
Ti24 connector	Spring compression terminal	A9XC2412	1× 0.5 □1.5mm ²	1× 0.5 □1.5mm ²

Technical Parameter

Main Circuit		
Rated Voltage(Ue)	1P,2P	250V CA
	3P,4P	400V CA
Frequency	50Hz	
Life(O- C)		
Electrical life	100,000 times	
Max. number of switching operations per day	100	
Additional Feature		
Rated Insulating voltage Ui	500 V AC	
Pollution level	2	
Rated impulse withstand voltage (Uimp)	2.5kV(4kV@ 12/24/48VAC)	
Protection level (IEC 0629)	contactor	IP20
	in switch board	IP40
Working Temperature	- 5 °C □60 °C ⁽¹⁾	
Storage temperature	- 40 °C □70 °C	
Moisture resistance (IEC 60068.1)	Class2 (relative humidity is 95% at 55 °C)	
ELSV (Ultra Low Safety Voltage) in accordance with 12/24/48VAC version		
Product control meets SELV (Safety Extra Low Voltage) requirements		

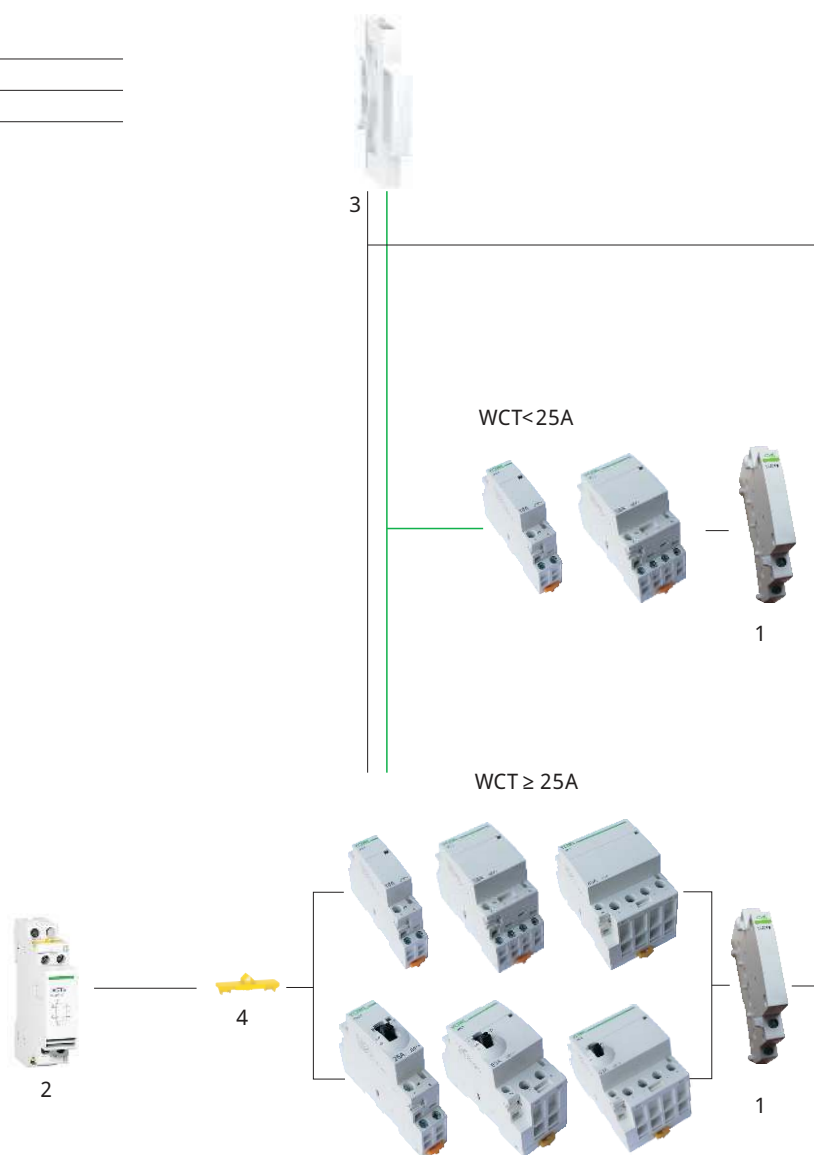
(1) When the contactor is installed in the distribution box, spacers must be assembled on both sides to facilitate heat dissipation. The spacer product number is A9A27062.



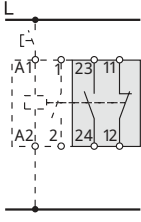
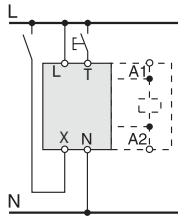
Electrical Accessories

Signal type		
1	CTs W	1NO+ 1NC
Control type		
2	CTc W	230V CA
		24V CA

Accessory Mounting

3	9mm spacer
4	yellow clip



	Signal type	Control type
Accessory	WCTs	WCTs
Type	Signal Contact	Pulse/continuous signal control
		
Function	<ul style="list-style-type: none"> Used to indicate "on" or "off" of the contactor's main contact 	<ul style="list-style-type: none"> The contactor that connects this accessory allows it to be controlled by two types of commands; <ul style="list-style-type: none"> Pulse command for local control (input T) Continuous signal command for centralized control (input X) The last received command has priority
Wiring Diagram		
Mounting	<ul style="list-style-type: none"> Installed on the right side of the WCT 	<ul style="list-style-type: none"> Installed on the left side of the WCT with a yellow clip
Usage	-	<ul style="list-style-type: none"> After the power supply circuit is disconnected: <ul style="list-style-type: none"> <1s: keep the initial state ≥5s: reset Hand action for X or T restart Minimum pulse duration: 250ms
Item No.	A9C15914	A9C18308 A9C18309
Technical Parameter		
Control voltage(Ue) VAC	24...240	230...240 24...48
VDC	24...130	-
Working Frequency Hz	50	50
Width(multiple 9mm)	1	2
Auxiliary contact (breaking capacity)	<ul style="list-style-type: none"> Min. : 10mA at 24VDC/AC-COSΦ=1 Max. : <ul style="list-style-type: none"> 5A at 240VDC-COSΦ=1 1A at 130VDC 	-
number of Contact	1NO+1NC	-
Working temperature ℃	- 5 ℃ # 50 ℃	
Store temperature ℃	- 40 ℃ # 70 ℃	

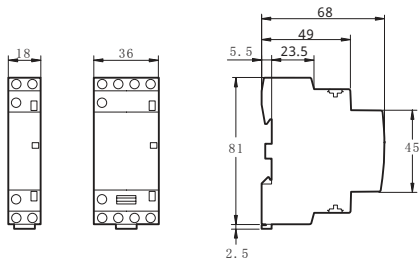
Power Consumption

WCT Contactor - 50Hz						
Spec						
IP	Rated current(In)		Control voltage (VAC)(50Hz)	Power hold	Consumption	
	AC7a	AC7b			pull-in	Max. power
	25A	8.5A	230...240	2.7VA	9.2VA	1.2W
2P						
	16A	6A	230...240	2.7VA	9.2VA	1.2W
			230...240	2.7VA	9.2VA	1.2W
	25A	8.5A	24	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
			230...240	2.7VA	9.2VA	1.2W
	40A	15A	220...240	4.6VA	34VA	1.6W
	63A	20A	220...240	4.6VA	34VA	1.6W
	100A	-	220...240	6.5VA	53VA	2.1W
3P						
	25A	8.5A	220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	6.5VA	53VA	2.1W
	63A	20A	220...240	6.5VA	53VA	2.1W
4P						
	16A	6A	220...240	4.6VA	34VA	1.6W
	25A	8.5A	24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
			24	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
			220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
	63A	20A	220...240	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
			220...240	6.5VA	53VA	2.1W
	100A	-	220...240	13VA	106VA	4.2W

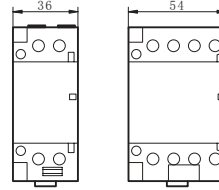
Power Consumption

WCT Manually Operated Contactor - 50Hz						
Spec						
2P	Rated current(In)		Control voltage (VAC)(50Hz)	Power hold	consumption	
	AC7a	AC7b			pull-in	Max. power
	25A	8.5A	230...240	2.7VA	9.2VA	1.2W
	40A	15A	220...240	4.6VA	34VA	1.6W
	63A	20A	220...240	4.6VA	34VA	1.6W
4P						
	25A	8.5A	220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	6.5VA	53VA	2.1W
	63A	20A	220...240	6.5VA	53VA	2.1W

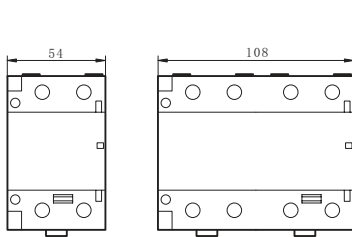
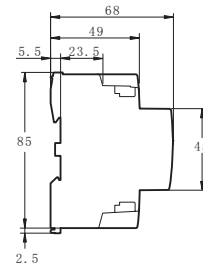
Dimension(mm)



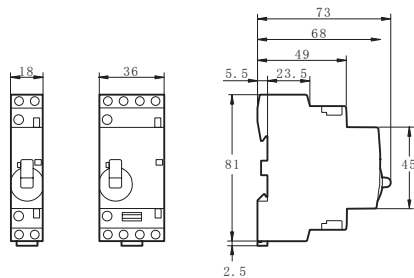
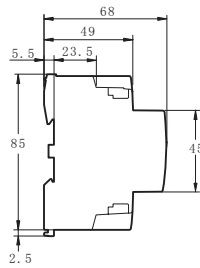
WCT16/25A



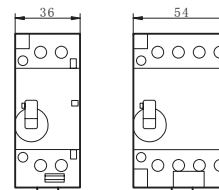
WCT 40/63A



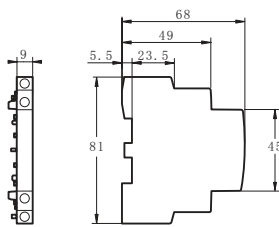
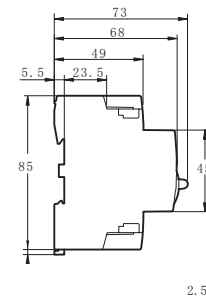
WCT 100A



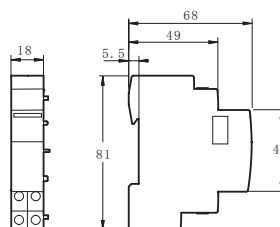
WCT Handle Operating Contactor 25A



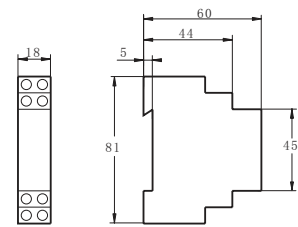
WCT Handle Operating Contactor 40/63A



WCTs



WCT24



WCTc