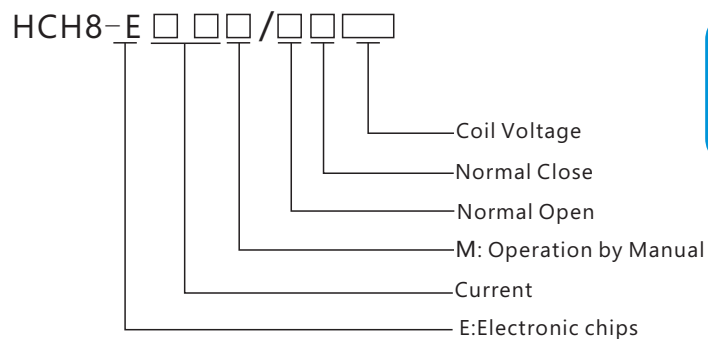


3 DC12V-DC24V Modular contactor



- Use in smart controls system
- Humming free

(eg. HCH8-E25/20 DC12V, It is 25A, 2NO, 12V DC current coil voltage with electronic chips)



DC 2P, 2modules

Contactor Model	Ie		Uc (V DC)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-E16/20	16A	6A	12	
HCH8-E20/20	20A	7A	24	
HCH8-E25/20	25A	9A	10-30	
HCH8-E16/02	16A	6A	12	
HCH8-E20/02	20A	7A	24	
HCH8-E25/02	25A	9A	10-30	
HCH8-E16/11	16A	6A	12	
HCH8-E20/11	20A	7A	24	
HCH8-E25/11	25A	9A	10-30	

HCH8 Modular contactor



DC 2P,2modules

Contactor Model	Ie		Uc (V DC)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-E16M/20	16A	6A	12	
HCH8-E20M/20	20A	7A	24	
HCH8-E25M/20	25A	9A	10-30	
HCH8-E16M/02	16A	6A	12	
HCH8-E20M/02	20A	7A	24	
HCH8-E25M/02	25A	9A	10-30	
HCH8-E16M/11	16A	6A	12	
HCH8-E20M/11	20A	7A	24	
HCH8-E25M/11	25A	9A	10-30	

DC Modular Contactor DC power consumption

Poles	Ie		Uc (V DC)	Power consumption	
	AC-7a	AC-7b		Hold on	Pull in
2P	16A	6A	12	0.43VA	6.73VA
			24	0.6VA	7VA
	20A	7A	12	0.43VA	6.73VA
			24	0.6VA	7VA
	25A	9A	12	0.43VA	6.73VA
			24	0.6VA	7VA

HCH8 Modular contactor

6 Modular contactor auxiliary

6. 1 Auxiliary Contacts

The Auxiliary contacts are indicator contactor contacts status switch OFF or ON

	AC-12		AC-15		DC-13		Ie	Circuit Diagram
	C.V.	C.A.	C.V.	C.A.	C.V.	C.A.		
HCH8-AUC11	240V	5A	230V	2A	DC 130V	1A	5A	
HCH8-AUC20	240V	5A	230V	2A	DC 130V	1A	5A	



6. 2 Spacing piece

Spacers are used to reduce the temperature rise of devices mounted side by side. It is recommended to separate electronic equipment (temperature adjustment devices, programmable timer etc.) from electromechanical equipment (impulse relays, contactors)

	Technical specifications
Spacing piece	(9mm Multiples)



7 Main parameter and technical performance

Power circuit		
Voltage rating(Ue)	1P,2P	250V AC
	3P,4P	400V AC
Frequency		50/60Hz
Endurance (O-C)		2,000,000 cycles
Electrical		100,000 cycles
Maximum number of switching operation a day		100
Insulation voltage (Ui)		500V AC
Pollution degree		2
Rated impulse withstand voltage (Uimp)		2.5kV (4kV for 12/24/48V AC)
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature		-5°C ~ +60°C
Storage temperature		-40°C ~ +70°C
Tropicalization (IEC 60068. 1)		Treatment 2 relative humidity 95% at 55°C

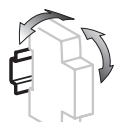
ELSV compliance (Extra Low Safety Voltage) for 12/24/48V AC versions

The product control conforms to the SELV (safety extra low voltage) requirements

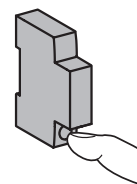
(1) In the case of contactor mounting in a enclosure for which the interior temperature is in range between 50 °C and 60 °C, it is necessary to use a spacer, between each contactor



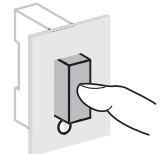
Clip on DIN rail 35 mm



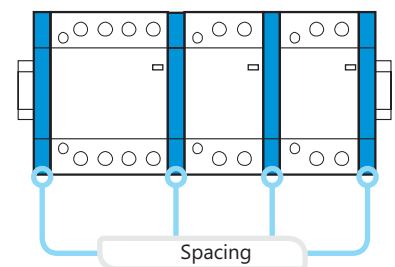
±30°vertical



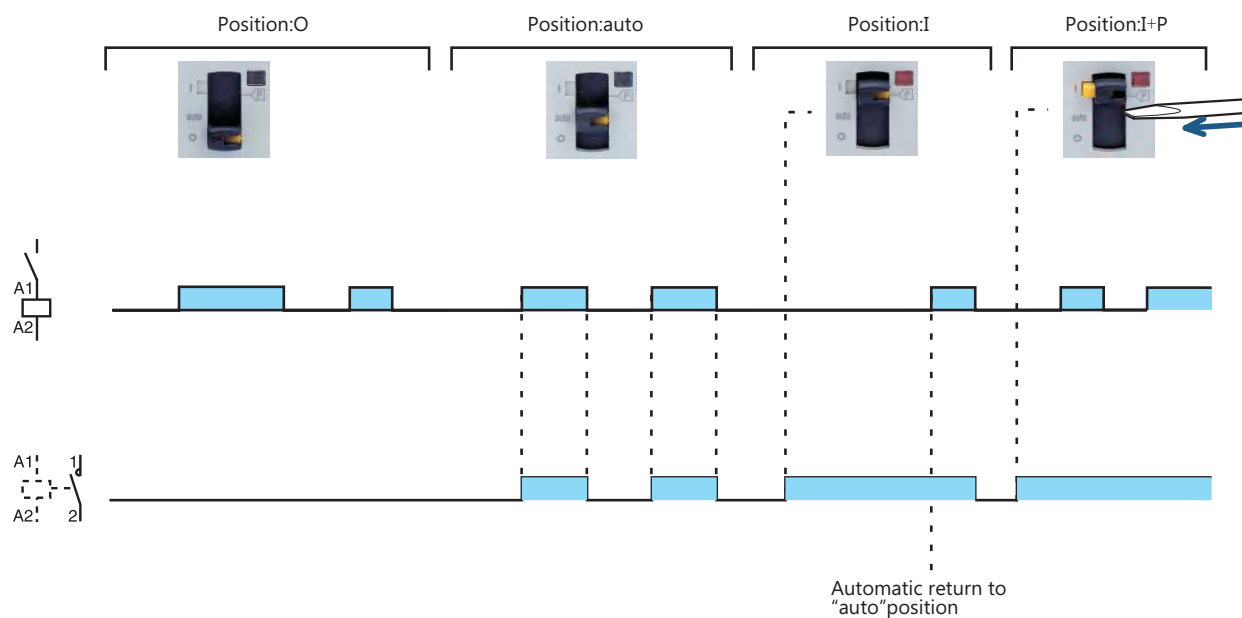
IP20



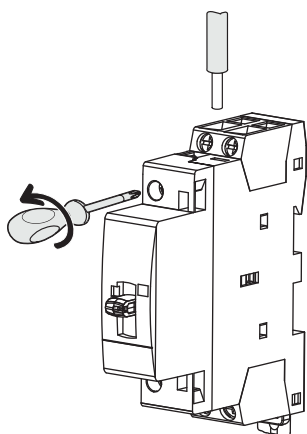
IP40



8 Operation(Manual control contactor)



9 Connection parameter



Type	Rating	Length tripping	Circuit	Tightening torque	Copper cables	
					Rigid	Flexible or ferrule
HCH8	16A-100A	9mm	Control	0.8N.m		
					1.5~2.5mm ² 2×1.5mm ²	1.5~2.5mm ² 2×2.5mm ²
	16 and 25A	14mm	Power	3.5N.m	1.5~6mm ²	1~4mm ²
					6~25mm ² 6×3.5mm ²	6~16mm ² 6~35mm ²
AUC	PZ1:4mm	-	-	0.8N.m	1.5~2.5mm ²	1.5~2.5mm ² 2×2.5mm ²

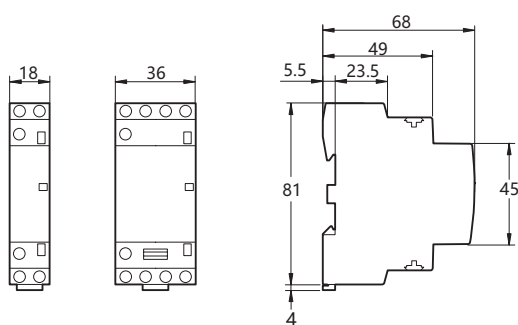
HCH8 Modular contactor

10 Packing information

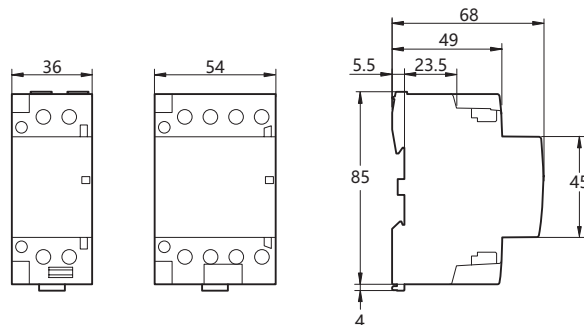
Poles	Rated Current (A)	BOX QTY	CTN QTY	Automatic Contactor		Manual Contactor		CARTON SIZE (mm)
				G.W.(kg)	N.W.(kg)	G.W.(kg)	N.W.(kg)	
AC 1P	16	12	120	15.4	13.8	15.4	13.8	500×260×190
	20	12	120	15.52	13.92	15.52	13.92	500×260×190
	25	12	120	15.52	13.92	15.52	13.92	500×260×190
AC 2P	16	12	120	15.4	13.8	15.4	13.8	500×260×190
	20	12	120	15.52	13.92	15.52	13.92	500×260×190
	25	12	120	15.52	13.92	15.52	13.92	500×260×190
	32	6	60	15.04	13.44	15.04	13.44	500×260×190
	40	6	60	15.04	13.44	15.04	13.44	500×260×190
	63	6	60	15.1	13.5	15.1	13.5	500×260×190
	100	4	40	14.08	12.48	-	-	500×260×190
AC 3P	16	6	60	13.9	12.3	13.9	12.3	500×260×190
	20	6	60	13.9	12.3	13.9	12.3	500×260×190
	25	6	60	13.9	12.3	13.9	12.3	500×260×190
	32	4	40	14.76	13.16	14.76	13.16	500×260×190
	40	4	40	14.76	13.16	14.76	13.16	500×260×190
	63	4	40	14.76	13.16	14.76	13.16	500×260×190
AC 4P	16	6	60	13.9	12.3	13.9	12.3	500×260×190
	20	6	60	13.9	12.3	13.9	12.3	500×260×190
	25	6	60	13.9	12.3	13.9	12.3	500×260×190
	32	4	40	14.76	13.16	14.76	13.16	500×260×190
	40	4	40	14.76	13.16	14.76	13.16	500×260×190
	63	4	40	14.76	13.16	14.76	13.16	500×260×190
	100	2	30	20.2	18.6	-	-	500×260×190
DC 2P	16	12	120	15.52	13.92	15.52	13.92	500×260×190
	20	12	120	15.52	13.92	15.52	13.92	500×260×190
	25	12	120	15.52	13.92	15.52	13.92	500×260×190
AC/DC 2P	32	6	60	15.19	13.59	15.19	13.59	500×260×190
	40	6	60	15.19	13.59	15.19	13.59	500×260×190
	63	6	60	15.19	13.59	15.19	13.59	500×260×190
AC/DC 4P	16	6	60	14.05	12.45	14.05	12.45	500×260×190
	20	6	60	14.05	12.45	14.05	12.45	500×260×190
	25	6	60	14.05	12.45	14.05	12.45	500×260×190
	32	4	40	14.86	13.26	14.86	13.26	500×260×190
	40	4	40	14.86	13.26	14.86	13.26	500×260×190
	63	4	40	14.86	13.26	14.86	13.26	500×260×190
AC/DC 4P (Duplex Winding)	32	4	40	15.2	13.6	15.2	13.6	500×260×190
	40	4	40	15.2	13.6	15.2	13.6	500×260×190
	63	4	40	15.2	13.6	15.2	13.6	500×260×190

Type	BOX QTY	CTN QTY	G.W.(kg)	N.W.(kg)	CARTON SIZE (mm)
Auxiliary Contacts	12	120	5.56	3.96	500×260×190
Spacing piece	12	120	6.2	4.8	500×260×190

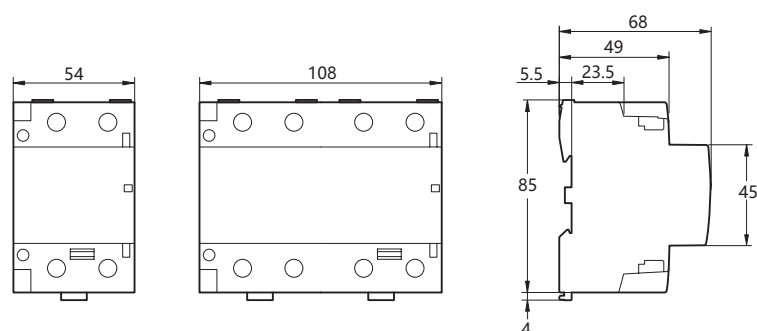
11 Product dimensions (mm)



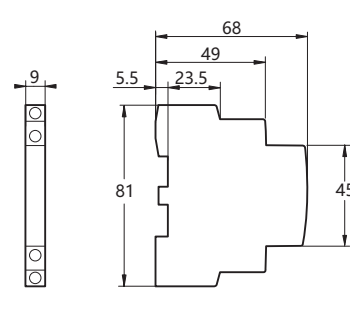
HCH8-16/20/25A



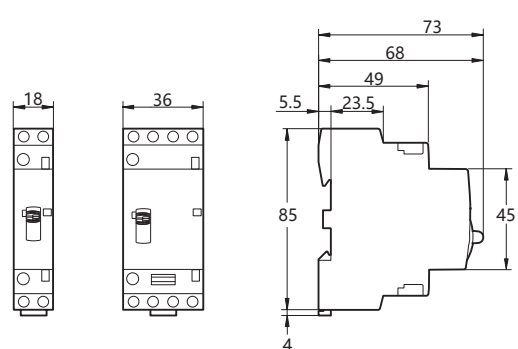
HCH8 32/40/63A



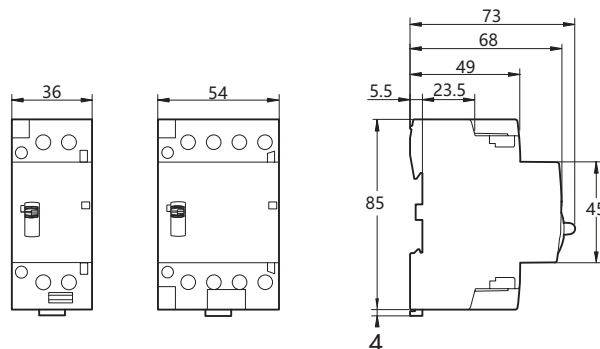
HCH8 100A



AUC



HCH8 Manual Contactor 16/20/25A



HCH8 Manual Contactor 32/40/63A