

HCH8 Modular contactor

High degree of Electrical life

The HCH8 modular contactor has been tested to withstand 100,000 times full load switch ON or OFF under AC-a load Utilization category

Noiseless and hum free

The HCH8 contactor eliminates the obvious impact sound of the traditional contactor at the moment of pull-in, and eliminates contactor in the low-frequency hum noise of operating
Applicable to most electric areas of commercial building . In particular, the modular contactor AC / DC series achieves free noise and creates a quiet environment for you

Energy Saving

The HCH8 contactor has an optimized electromagnetic system, which greatly reduces the holding power of contactor

Compact design

The width of HCH8 contactors is much smaller than traditional AC Contactors, which saves users more installation space and can be conveniently installed in ordinary distribution boxes

Auxiliary function

The HCH8 contactor can be extended with auxiliary contacts on the right side of the product, which is more suitable for signal feedback requirements in an intelligent control environment



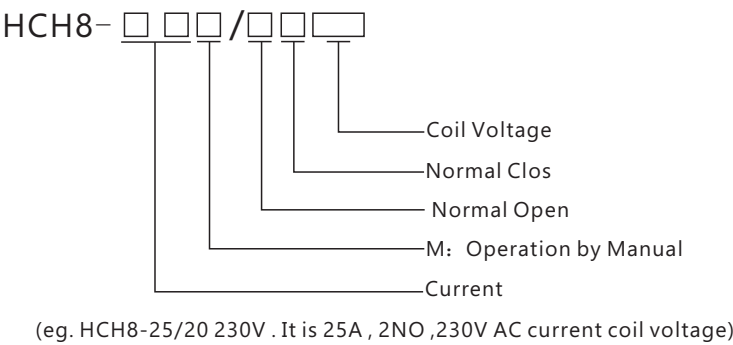
HCH8 Modular contactor

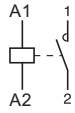
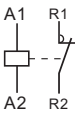
1 Applicable scope

The HCH8 modular contactor (hereinafter referred to as contactor) is mainly suitable for AC 50Hz (or 60Hz), rated working voltage to 400V and rated current operation in the circuit up to 100A, it can control the low-inductance and low-inductance load of household appliances and similar purposes; it can also be used to control the load of household motors. The power should be reduced accordingly.

The HCH8 contactors according to standard IEC/EN61095 and are used mainly in buildings for switching and controlling lighting, heating, ventilation and pumps. They are part of the complete range of Din rail products and can be integrated easily in dedicated panels.

2 AC24V-AC240V Modular contactor



Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16/10	16A	6A	24	
HCH8-20/10	20A	7A	110	
HCH8-25/10	25A	9A	240	
HCH8-16/01	16A	6A	24	
HCH8-20/01	20A	7A	110	
HCH8-25/01	25A	9A	240	



AC 2P,1modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16/20	16A	6A	24	
HCH8-20/20	20A	7A	110	
HCH8-25/20	25A	9A	240	
HCH8-16/11	16A	6A	24	
HCH8-20/11	20A	7A	110	
HCH8-25/11	25A	9A	240	
HCH8-16/02	16A	6A	24	
HCH8-20/02	20A	7A	110	
HCH8-25/02	25A	9A	240	



AC 2P,2modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-32/20	32A	12A	24	
HCH8-40/20	40A	18A	110	
HCH8-63/20	63A	25A	240	
HCH8-32/11	32A	12A	24	
HCH8-40/11	40A	18A	110	
HCH8-63/11	63A	25A	240	
HCH8-32/02	32A	12A	24	
HCH8-40/02	40A	18A	110	
HCH8-63/02	63A	25A	240	



AC 2P,3modules

Contactor Model	Ie	Uc (V AC)(50Hz)	Circuit Diagram
	AC-1		
HCH8-100/20	100A	24 110 240	
HCH8-100/11	100A	24 110 240	
HCH8-100/02	100A	24 110 240	

HCH8 Modular contactor



AC 3P,2modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16/30	16A	6A	24	
HCH8-20/30	20A	7A	110	
HCH8-25/30	25A	9A	240	
HCH8-16/03	16A	6A	24	
HCH8-20/03	20A	7A	110	
HCH8-25/03	25A	9A	240	



AC 3P,3modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-32/30	32A	12A	24	
HCH8-40/30	40A	18A	110	
HCH8-63/30	63A	25A	240	
HCH8-32/03	32A	12A	24	
HCH8-40/03	40A	18A	110	
HCH8-63/03	63A	25A	240	



AC 4P,2modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16/40	16A	6A	24	
HCH8-20/40	20A	7A	110	
HCH8-25/40	25A	9A	240	
HCH8-16/04	16A	6A	24	
HCH8-20/04	20A	7A	110	
HCH8-25/04	25A	9A	240	
HCH8-16/22	16A	6A	24	
HCH8-20/22	20A	7A	110	
HCH8-25/22	25A	9A	240	
HCH8-16/31	16A	6A	24	
HCH8-20/31	20A	7A	110	
HCH8-25/31	25A	9A	240	

AC 4P,3modules



Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-32/40	32A	12A	24 110 240	
HCH8-40/40	40A	18A		
HCH8-63/40	63A	25A		
HCH8-32/04	32A	12A	24 110 240	
HCH8-40/04	40A	18A		
HCH8-63/04	63A	25A		
HCH8-32/22	32A	12A	24 110 240	
HCH8-40/22	40A	18A		
HCH8-63/22	63A	25A		
HCH8-32/31	32A	12A	24 110 240	
HCH8-40/31	40A	18A		
HCH8-63/31	63A	25A		

AC 4P,6modules



Contactor Model	Ie	Uc (V AC)(50Hz)	Circuit Diagram
	AC-1		
HCH8-100/40	100A	24 110 240	
HCH8-100/04	100A	24 110 240	
HCH8-100/22	100A	24 110 240	
HCH8-100/31	100A	24 110 240	

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AC 1P,1modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16M/10	16A	6A	24	
HCH8-20M/10	20A	7A	110	
HCH8-25M/10	25A	9A	240	
HCH8-16M/01	16A	6A	24	
HCH8-20M/01	20A	7A	110	
HCH8-25M/01	25A	9A	240	



AC 2P,1modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16M/20	16A	6A	24	
HCH8-20M/20	20A	7A	110	
HCH8-25M/20	25A	9A	240	
HCH8-16M/11	16A	6A	24	
HCH8-20M/11	20A	7A	110	
HCH8-25M/11	25A	9A	240	
HCH8-16M/02	16A	6A	24	
HCH8-20M/02	20A	7A	110	
HCH8-25M/02	25A	9A	240	



AC 2P,2modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-32M/20	32A	12A	24	
HCH8-40M/20	40A	18A	110	
HCH8-63M/20	63A	25A	240	
HCH8-32M/11	32A	12A	24	
HCH8-40M/11	40A	18A	110	
HCH8-63M/11	63A	25A	240	
HCH8-32M/02	32A	12A	24	
HCH8-40M/02	40A	18A	110	
HCH8-63M/02	63A	25A	240	



AC 3P,2modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16M/30	16A	6A	24	
HCH8-20M/30	20A	7A	110	
HCH8-25M/30	25A	9A	240	
HCH8-16M/03	16A	6A	24	
HCH8-20M/03	20A	7A	110	
HCH8-25M/03	25A	9A	240	

AC 3P,3modules



Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-32M/30	32A	12A	24	
HCH8-40M/30	40A	18A	110	
HCH8-63M/30	63A	25A	240	
HCH8-32M/03	32A	12A	24	
HCH8-40M/03	40A	18A	110	
HCH8-63M/03	63A	25A	240	

AC 4P,2modules



Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-16M/40	16A	6A	24	
HCH8-20M/40	20A	7A	110	
HCH8-25M/40	25A	9A	240	
HCH8-16M/04	16A	6A	24	
HCH8-20M/04	20A	7A	110	
HCH8-25M/04	25A	9A	240	
HCH8-16M/22	16A	6A	24	
HCH8-20M/22	20A	7A	110	
HCH8-25M/22	25A	9A	240	
HCH8-16M/31	16A	6A	24	
HCH8-20M/31	20A	7A	110	
HCH8-25M/31	25A	9A	240	

HCH8 Modular contactor



AC 4P,3modules

Contactor Model	Ie		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a	AC-7b		
HCH8-32M/40	32A	12A	24	
HCH8-40M/40	40A	18A	110	
HCH8-63M/40	63A	25A	240	
HCH8-32M/04	32A	12A	24	
HCH8-40M/04	40A	18A	110	
HCH8-63M/04	63A	25A	240	
HCH8-32M/22	32A	12A	24	
HCH8-40M/22	40A	18A	110	
HCH8-63M/22	63A	25A	240	
HCH8-32M/31	32A	12A	24	
HCH8-40M/31	40A	18A	110	
HCH8-63M/31	63A	25A	240	

AC Modular contactor power consumption

Poles	Ie		Uc (V AC)(50Hz)	Power consumption		Max Power
	AC-7a	AC-7b		Hold on	Pull in	
1P	16A	6A	230	2.7VA	9.2VA	1.2W
	20A	7A	230	2.7VA	9.2VA	1.2W
	25A	9A	230	2.7VA	9.2VA	1.2W
2P	16A	6A	230	2.7VA	9.2VA	1.2W
	20A	7A	230	2.7VA	9.2VA	1.2W
	25A	9A	24	3.8VA	15VA	1.3W
			230	2.7VA	9.2VA	1.2W
	32A	12A	230	4.6VA	34VA	1.6W
	40A	18A	230	4.6VA	34VA	1.6W
	63A	25A	230	4.6VA	34VA	1.6W
	100A	-	230	6.5VA	53VA	2.1W
3P	16A	6A	230	4.6VA	34VA	1.6W
	20A	7A	230	4.6VA	34VA	1.6W
	25A	9A	230	4.6VA	34VA	1.6W
	32A	12A	230	6.5VA	53VA	2.1W
	40A	18A	230	6.5VA	53VA	2.1W
	63A	25A	230	6.5VA	53VA	2.1W
4P	16A	6A	230	4.6VA	34VA	1.6W
	20A	7A	230	4.6VA	34VA	1.6W
	25A	9A	24	4.6VA	34VA	1.6W
			230	4.6VA	34VA	1.6W
	32A	12A	230	6.5VA	53VA	2.1W
	40A	18A	230	6.5VA	53VA	2.1W
	63A	25A	230	6.5VA	53VA	2.1W
	100A	-	230	13VA	106VA	4.2W