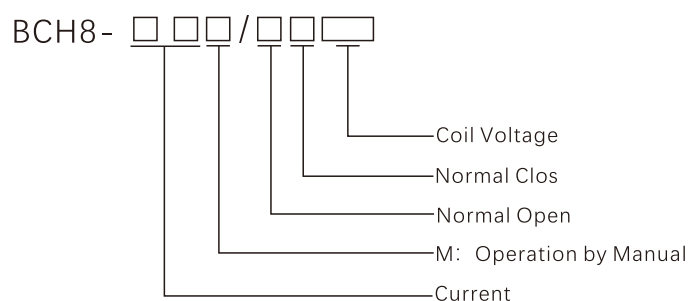


Applicable scope

The BCH8 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 125A, 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 BCH8 contactors according to standard IEC/EN61095 , IEC60947-4-1 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.

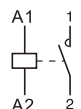
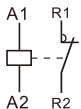
Modular contactor



(eg. BCH8-25/20 230V . It is 25A , 2NO ,230V AC current coil voltage)

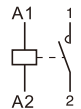
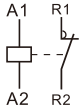


AC 1P,1modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16/10	16A	6A	24	
BCH8-20/10	20A	7A	110	
BCH8-25/10	25A	9A	230	
BCH8-16/01	16A	6A	24	
BCH8-20/01	20A	7A	110	
BCH8-25/01	25A	9A	230	



AC 1P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32/10	32A	12A	24	
BCH8-40/10	40A	18A	110	
BCH8-63/10	63A	25A	230	
BCH8-32/01	32A	12A	24	
BCH8-40/01	40A	18A	110	
BCH8-63/01	63A	25A	230	



AC 2P,1modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16/20	16A	6A	24	
BCH8-20/20	20A	7A	110	
BCH8-25/20	25A	9A	230	
BCH8-16/11	16A	6A	24	
BCH8-20/11	20A	7A	110	
BCH8-25/11	25A	9A	230	
BCH8-16/02	16A	6A	24	
BCH8-20/02	20A	7A	110	
BCH8-25/02	25A	9A	230	



AC 2P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32/20	32A	12A	24	
BCH8-40/20	40A	18A	110	
BCH8-63/20	63A	25A	230	
BCH8-32/11	32A	12A	24	
BCH8-40/11	40A	18A	110	
BCH8-63/11	63A	25A	230	
BCH8-32/02	32A	12A	24	
BCH8-40/02	40A	18A	110	
BCH8-63/02	63A	25A	230	

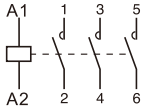
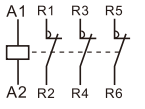
AC 2P,3modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-1	AC-3		
BCH8-80/20	80A	32A	24	
BCH8-100/20	100A	40A	110	
BCH8-125/20	125A	50A	230	
BCH8-80/11	80A	32A	24	
BCH8-100/11	100A	40A	110	
BCH8-125/11	125A	50A	230	
BCH8-80/02	80A	32A	24	
BCH8-100/02	100A	40A	110	
BCH8-125/02	125A	50A	230	



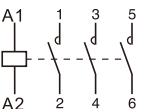
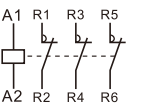
AC 3P,2modules



Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16/30	16A	6A	24	
BCH8-20/30	20A	7A	110	
BCH8-25/30	25A	9A	230	
BCH8-16/03	16A	6A	380	
BCH8-20/03	20A	7A	110	
BCH8-25/03	25A	9A	230	
			380	

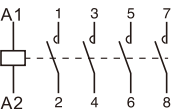
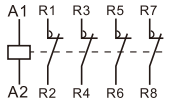
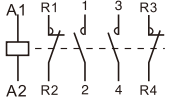
AC 3P,3modules



Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32/30	32A	12A	24	
BCH8-40/30	40A	18A	110	
BCH8-63/30	63A	25A	230	
BCH8-32/03	32A	12A	380	
BCH8-40/03	40A	18A	110	
BCH8-63/03	63A	25A	230	
			380	

AC 4P,2modules



Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16/40	16A	6A	24	
BCH8-20/40	20A	7A	110	
BCH8-25/40	25A	9A	230	
BCH8-16/04	16A	6A	380	
BCH8-20/04	20A	7A	110	
BCH8-25/04	25A	9A	230	
BCH8-16/22	16A	6A	380	
BCH8-20/22	20A	7A	110	
BCH8-25/22	25A	9A	230	
BCH8-16/31	16A	6A	380	
BCH8-20/31	20A	7A	110	
BCH8-25/31	25A	9A	230	
			380	



AC 4P,3modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32/40	32A	12A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled 1, 2, 3, 4, 5, 6, 7, 8. The contacts are arranged in two rows: 1, 3, 5, 7 on top and 2, 4, 6, 8 on the bottom.
BCH8-40/40	40A	18A	110	
BCH8-63/40	63A	25A	230	
BCH8-63/40	63A	25A	380	
BCH8-32/04	32A	12A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled R1, R2, R3, R4, R5, R6, R7, R8. The contacts are arranged in two rows: R1, R3, R5, R7 on top and R2, R4, R6, R8 on the bottom.
BCH8-40/04	40A	18A	110	
BCH8-63/04	63A	25A	230	
BCH8-63/04	63A	25A	380	
BCH8-32/22	32A	12A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled 1, 2, 3, 4, 5, 6, 7, 8. The contacts are arranged in two rows: 1, 3, 5, 7 on top and 2, 4, 6, 8 on the bottom.
BCH8-40/22	40A	18A	110	
BCH8-63/22	63A	25A	230	
BCH8-63/22	63A	25A	380	
BCH8-32/31	32A	12A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled 1, 2, 3, 4, 5, 6, 7, 8. The contacts are arranged in two rows: 1, 3, 5, 7 on top and 2, 4, 6, 8 on the bottom.
BCH8-40/31	40A	18A	110	
BCH8-63/31	63A	25A	230	
BCH8-63/31	63A	25A	380	

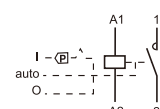
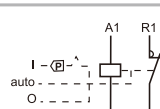


AC 4P,6modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-1	AC-3		
BCH8-80/40	80A	32A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled 1, 2, 3, 4, 5, 6, 7, 8. The contacts are arranged in two rows: 1, 3, 5, 7 on top and 2, 4, 6, 8 on the bottom.
BCH8-100/40	100A	40A	110	
BCH8-125/40	125A	50A	240	
BCH8-125/40	125A	50A	240	
BCH8-80/04	80A	32A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled R1, R2, R3, R4, R5, R6, R7, R8. The contacts are arranged in two rows: R1, R3, R5, R7 on top and R2, R4, R6, R8 on the bottom.
BCH8-100/04	100A	40A	110	
BCH8-125/04	125A	50A	240	
BCH8-125/04	125A	50A	240	
BCH8-80/22	80A	32A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled 1, 2, 3, 4, 5, 6, 7, 8. The contacts are arranged in two rows: 1, 3, 5, 7 on top and 2, 4, 6, 8 on the bottom.
BCH8-100/22	100A	40A	110	
BCH8-125/22	125A	50A	240	
BCH8-125/22	125A	50A	240	
BCH8-80/31	80A	32A	24	The diagram shows a main switch with terminals A1 and A2. It controls three sets of contacts labeled 1, 2, 3, 4, 5, 6, 7, 8. The contacts are arranged in two rows: 1, 3, 5, 7 on top and 2, 4, 6, 8 on the bottom.
BCH8-100/31	100A	40A	110	
BCH8-125/31	125A	50A	240	
BCH8-125/31	125A	50A	240	

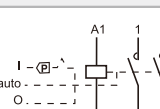
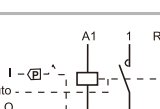
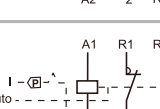
AC 1P, 1modules



Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16M/10	16A	6A	24	
BCH8-20M/10	20A	7A	110	
BCH8-25M/10	25A	9A	230	
BCH8-16M/01	16A	6A	24	
BCH8-20M/01	20A	7A	110	
BCH8-25M/01	25A	9A	230	

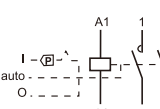
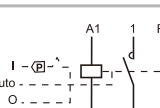
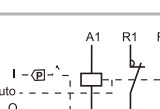
AC 2P, 1modules



Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16M/20	16A	6A	24	
BCH8-20M/20	20A	7A	110	
BCH8-25M/20	25A	9A	230	
BCH8-16M/11	16A	6A	24	
BCH8-20M/11	20A	7A	110	
BCH8-25M/11	25A	9A	230	
BCH8-16M/02	16A	6A	24	
BCH8-20M/02	20A	7A	110	
BCH8-25M/02	25A	9A	230	

AC 2P, 2modules



Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32M/20	32A	12A	24	
BCH8-40M/20	40A	18A	110	
BCH8-63M/20	63A	25A	230	
BCH8-32M/11	32A	12A	24	
BCH8-40M/11	40A	18A	110	
BCH8-63M/11	63A	25A	230	
BCH8-32M/02	32A	12A	24	
BCH8-40M/02	40A	18A	110	
BCH8-63M/02	63A	25A	230	



AC 3P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16M/30	16A	6A	24	
BCH8-20M/30	20A	7A	110	
BCH8-25M/30	25A	9A	230	
BCH8-16M/03	16A	6A	380	
BCH8-20M/03	20A	7A	110	
BCH8-25M/03	25A	9A	230	
BCH8-25M/03	25A	9A	380	



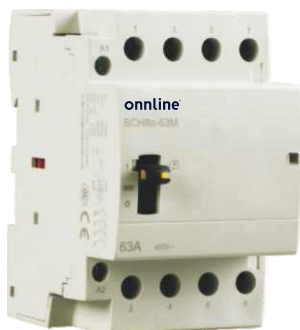
AC 3P,3modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32M/30	32A	12A	24	
BCH8-40M/30	40A	18A	110	
BCH8-63M/30	63A	25A	230	
BCH8-32M/03	32A	12A	380	
BCH8-40M/03	40A	18A	110	
BCH8-63M/03	63A	25A	230	
BCH8-63M/03	63A	25A	380	

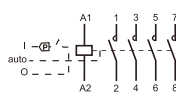
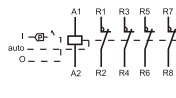
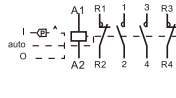
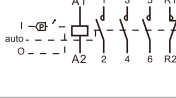


AC 4P,2modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-16M/40	16A	6A	24	
BCH8-20M/40	20A	7A	110	
BCH8-25M/40	25A	9A	230	
BCH8-16M/04	16A	6A	380	
BCH8-20M/04	20A	7A	110	
BCH8-25M/04	25A	9A	230	
BCH8-16M/22	16A	6A	380	
BCH8-20M/22	20A	7A	110	
BCH8-25M/22	25A	9A	230	
BCH8-16M/31	16A	6A	380	
BCH8-20M/31	20A	7A	110	
BCH8-25M/31	25A	9A	230	
BCH8-25M/31	25A	9A	380	



AC 4P,3modules

Contactor Model	Ie Rating		Uc (V AC)(50Hz)	Circuit Diagram
	AC-7a AC-1	AC-7b AC-3		
BCH8-32M/40	32A	12A	24	
BCH8-40M/40	40A	18A	110	
BCH8-63M/40	63A	25A	230	
BCH8-32M/04	32A	12A	380	
BCH8-40M/04	40A	18A	110	
BCH8-63M/04	63A	25A	230	
BCH8-32M/22	32A	12A	380	
BCH8-40M/22	40A	18A	110	
BCH8-63M/22	63A	25A	230	
BCH8-32M/31	32A	12A	380	
BCH8-40M/31	40A	18A	110	
BCH8-63M/31	63A	25A	230	

AC Modular contactor power consumption

Poles	Ie Rating		Uc (VAC)(50Hz)	Power consumption		Max Power
	AC-7a	AC-7b		Hold on	Pull in	
1P	16A	6A	230	2.8VA	11.5VA	1.2W
	20A	7A	230	2.8VA	11.5VA	1.2W
	25A	9A	230	2.8VA	11.5VA	1.2W
2P	16A	6A	230	2.8VA	11.5VA	1.2W
	20A	7A	230	2.8VA	11.5VA	1.2W
	25A	9A	24	3.0VA	11.5VA	1.3W
			230	2.8VA	11.5VA	1.2W
	32A	12A	230	4.1VA	31VA	1.6W
	40A	18A	230	4.1VA	31VA	1.6W
	63A	25A	230	4.1VA	31VA	1.6W
3P	100A	-	230	4.1VA	31VA	2.1W
	16A	6A	230	4.1VA	31VA	1.6W
	20A	7A	230	4.1VA	31VA	1.6W
	25A	9A	230	4.1VA	31VA	1.6W
	32A	12A	230	7VA	48VA	2.1W
	40A	18A	230	7VA	48VA	2.1W
	63A	25A	230	7VA	48VA	2.1W
4P						
	16A	6A	230	4.1VA	31VA	1.6W
	20A	7A	230	4.1VA	31VA	1.6W
	25A	9A	24	4.8VA	33VA	1.6W
			230	4.1VA	31VA	1.6W
	32A	12A	230	7VA	48VA	2.1W
	40A	18A	230	7VA	48VA	2.1W
	63A	25A	230	7VA	48VA	2.1W
	100A	-	230	13VA	106VA	4.2W