

EN 61095, IEC61095



MCH8 contactors are available in two versions:

- Contactors without manually-operated
- Contactors with manually-operated.

The breadth of the iCT contactor range satisfies most application cases. MCH8 contactors can be combined with auxiliary control, protection and indication functions.

Contactors

MCH8 2P



MCH8 4P



- MCH8 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

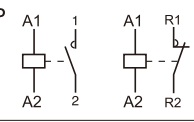
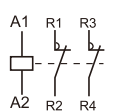
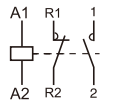
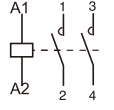
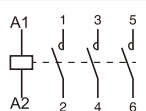
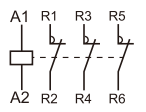
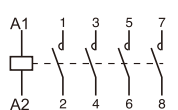
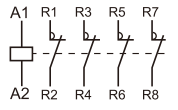
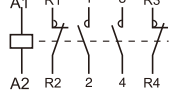
- Used to control a contactor in impulse-type mode or to combine latched or impulse-type control orders

Contactors auxiliaries

		Choice of 50 Hz contactors						
Type		Contactor						
Rating	A	16	20	25	32	40	63	100
Auxiliaries		Yes						
BACTs indication auxiliary		Yes						
BACTc control auxiliary	By yellow clips	Yes						

Catalogue numbers

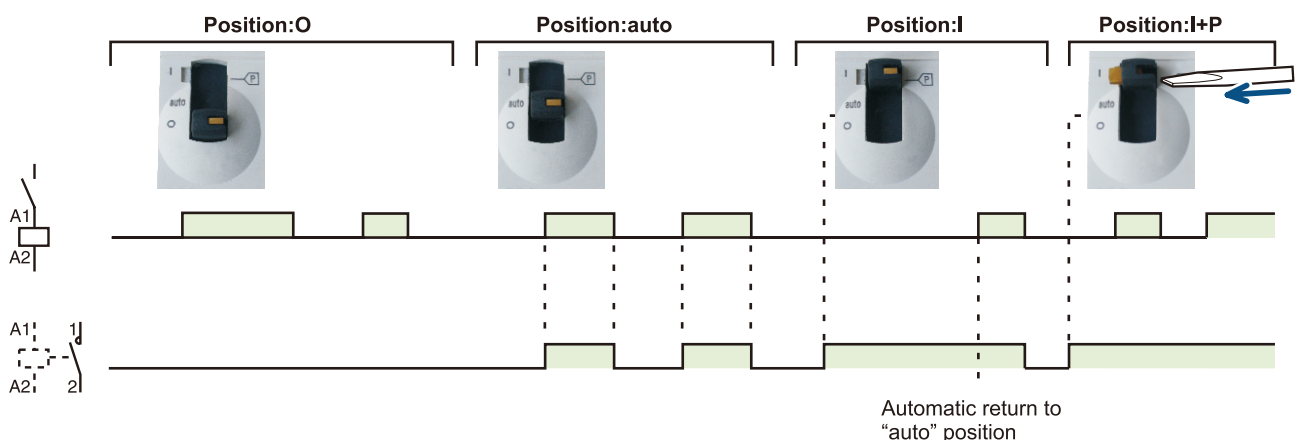
MCH8 contactors-50Hz

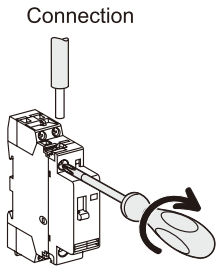
Type				Width in 9 mm modules	
	Rating(In) AC-7a	Rating(In) AC-7b	Control voltage (VAC)(50Hz)	Contact	
1P					
	16A	6A	24	1NO	2
	20A	7A	110	1NC	
	25A	8.5A	230		
2P					
	16A	6A	24	2NO	2
	20A	8.5A	110	1NO+1NC	
	25A	8.5A	230	2NC	
	32A	15A	24	2NO	4
	40A	15A	110	1NO+1NC	
	63A	20A	230	2NC	
	100A	-	24	2NO	6
			110		
			230		
3P					
	16A	6A	24	3NO	4
	20A	8.5A	110	3NC	
	25A	8.5A	230		
	32A	15A	24	3NO	6
	40A	15A	110	3NC	
	63A	20A	230		
4P					
	16A	6A	24	4NO	4
	20A	8.5A	110	4NC	
	25A	8.5A	230	2NO+2NC	
	32A	15A	24	4NO	6
	40A	15A	110	4NC	
	63A	20A	230	2NO+2NC	
	100A	-	24	3NO+1NC	12
			110	4NO	
			230		





Catalogue numbers

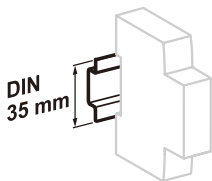
MCH8 manual control contactor 50 Hz					Width in 9 mm modules			
Type	Rating(In) AC-7a	Rating(In) AC-7b	Control voltage (V AC)(50 Hz)	Contact				
	16A	6A	24	2NO	2			
	20A	8.5A	110	1NO+1NC				
	25A	8.5A	230	2NC				
		32A	15A	24	2NO	4		
		40A	15A	110	1NO+1NC			
		63A	20A	230	2NC			
		4P						
			16A	6A	24		4NO	4
			20A	8.5A	110		4NC	
25A	8.5A		230	2NO+2NC 3NO+1NC				
	32A		15A	24	4NO	6		
	40A		15A	110	4NC			
	63A		20A	230	2NO+2NC 3NO+1NC			

Operation(Manual control contactor)

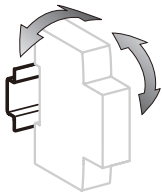




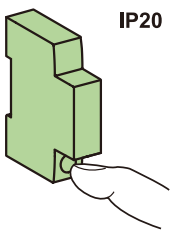
Type	Rating	Length tripping	Circuit	Tightening torque	Copper cables		
					Rigid	Flexible or ferrule	
MCH8	PZ1:4 mm	16-100A	9mm	Control	0.8N.m		
		16 and 25A				1.5to 2.5mm ² 2× 1.5mm ²	1.5to 2.5mm ² 2× 2.5mm ²
MCH8	PZ2:6 mm	40A-63A	14mm	Power	3.5N.m		
		100A				1.5to 6mm ²	1 to 4mm ²
BACTc	PZ1:4mm	-	9mm	-	0.8N.m	1.5to 2.5mm ² 2×1.5mm ²	1.5to 2.5mm ² 2×2.5mm ²



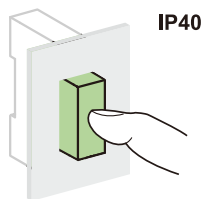
Clip on DIN rail 35 mm.



± 30° vertical.



IP20

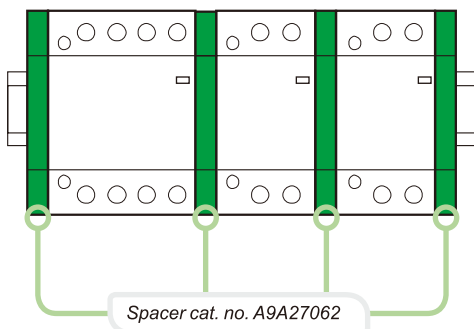


IP40

Technical data

Power circuit		
Voltage rating(Ue)	1P,2P	250V AC
	3P,4P	400V AC
Frequency	50Hz or 60Hz	
Endurance(O-C)		
Electrical	50,000 cycles	
Maximum number of switching operation a day	100	
Additional characteristics		
Insulation voltage(Ui)	500 V AC	
Pollution degree	2	
Rated impulse withstand voltage(Uimp)	2.5kV(4 kV for 12/24/48V AC)	
Degree of protection (IEC 60529)	Device only	IP20
	Device in modular enclosure	IP40
Operating temperature	-5°Cto+60°C ⁽¹⁾	
Storage temperature	-40°Cto+70°C	
Tropicalization(IEC 60068-1)	Treatment 2(relative humidity 95% at 55°C	
ELSV compliance(Extra Low Safety Voltage)for 12/24/48vac 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°Cand 60°C,it is necessary to use a spacer, between each contactor

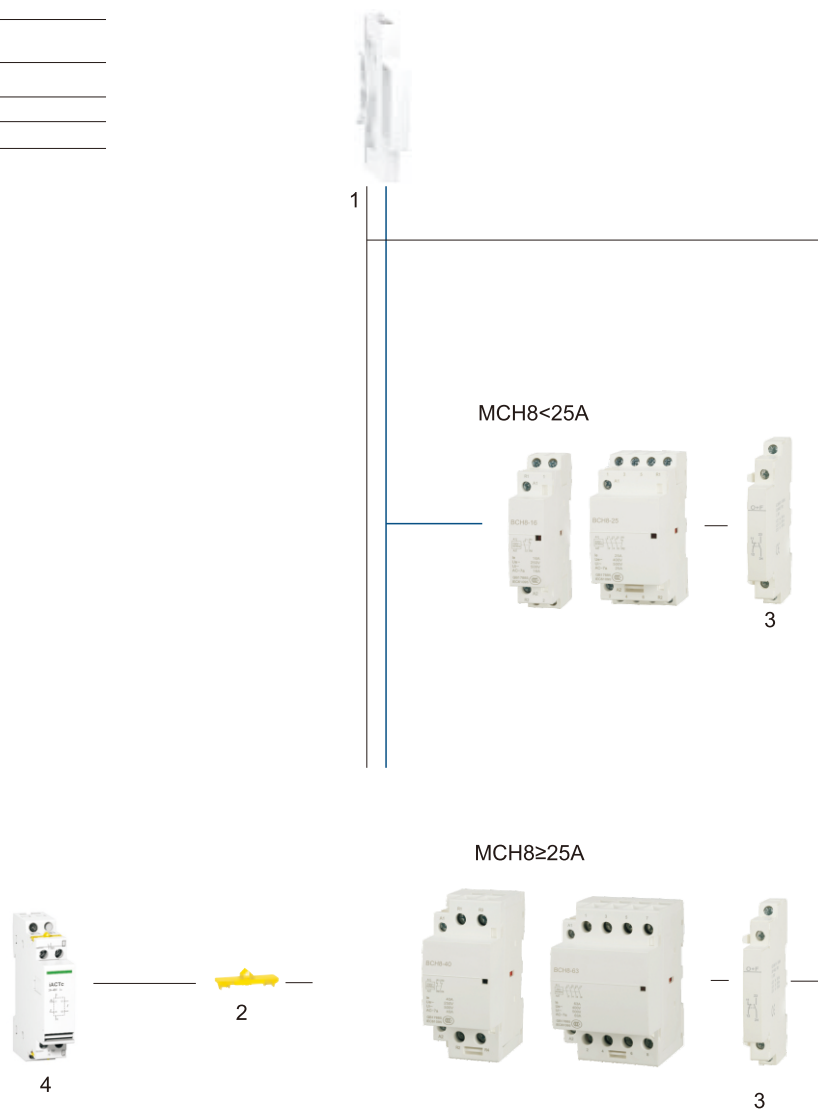


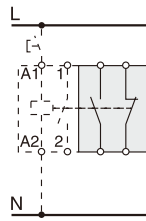
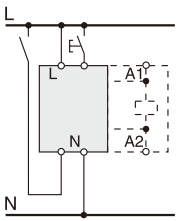
Mounting accessories

- 1 9 mm spacer
- 2 Yellow clips

Auxiliaries

Indication	
3 BACTs	1NO+1NC 2NO
Double control inputs	
4 BACTc	230VAC 24VAC



		Indication	Control
Auxiliaries		BACTs	BACTc
Type		Indication With Open/Close auxiliary contact	Impulse/latched control
Function		<ul style="list-style-type: none"> This auxiliary allows indication of the "open" or "closed" position of the contactor power contacts 	<ul style="list-style-type: none"> This auxiliary, combined with contactors, enables them to be controlled by 2 order types: <ul style="list-style-type: none"> impulse order for local control (input T) latched order for centralised control (input X) the last order received takes priority
Wiring diagrams			
Mounting		<ul style="list-style-type: none"> Mounted to the right of MCH8 	<ul style="list-style-type: none"> Mounted to the left of MCH8 by yellow clips⁽¹⁾
Technical specifications			<ul style="list-style-type: none"> Mains power outages: <ul style="list-style-type: none"> < 1 s: keeps its initial status ≥ 5 s: reset put back into operation by manual operation on input X or T. Minimum impulse duration: 250 ms
Control voltage (Ue)	VAC	24...240	230...240 24...48
	VDC	24...130	-
Operating frequency	Hz	50/60	50/60
Width in 9 mm modules			2
Auxiliary contact (breaking capacity)		<ul style="list-style-type: none"> Minimum: 10mA at 24V DC/AC-COSφ=1 Maximum: <ul style="list-style-type: none"> 5A at 240V AC-COSφ=1 1 A at 130V DC 	-
Number of contacts		1NO+1NC	-
Operating temperature	°C	-5 °C to +50 °C	
Storage temperature	°C	-40 °C to +70 °C	

Consumption

MCH8 contactors-50Hz

Type

	Rating(In)		Control voltage (V AC)(50 Hz)	Consumption		Max. power
	AC-7a	AC-7b		Holding	Inrush	
IP	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
3P	100A	-	220...240	6.5VA	53VA	2.1W
	25A	8.5A	220...240	4.6VA	34VA	1.6W
	40A	15A	220...240	6.5VA	53VA	2.1W
4P	63A	20A	220...240	6.5VA	53VA	2.1W
	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	
		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

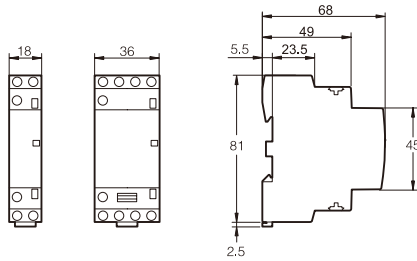
Consumption

MCH8 manual control contactor -50Hz

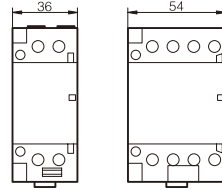
Type

	Rating(In)		Control voltage (V AC)(50 Hz)	Consumption		Max. power
	AC-7a	AC-7b		Holding	Inrush	
2P	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

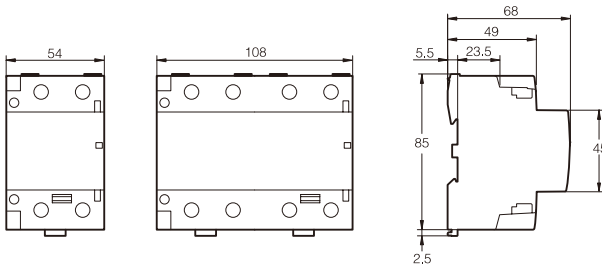
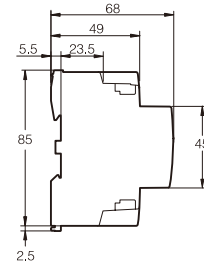
Dimensions(mm)



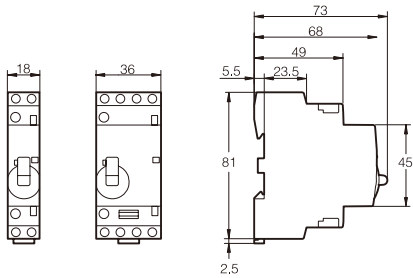
MCH8-16/25A



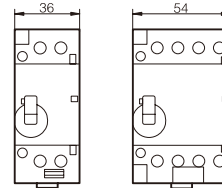
MCH8-40/63A



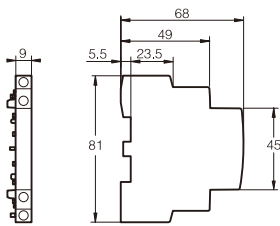
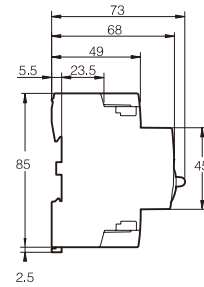
MCH8-100A



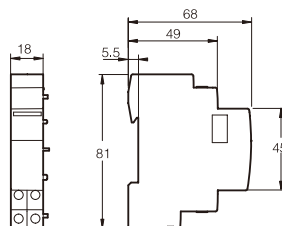
MCH8 manual control contactor 16/25A



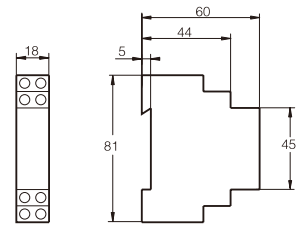
MCH8 manual control contactor 40/63A



BACTs



BACT-24



BACTc