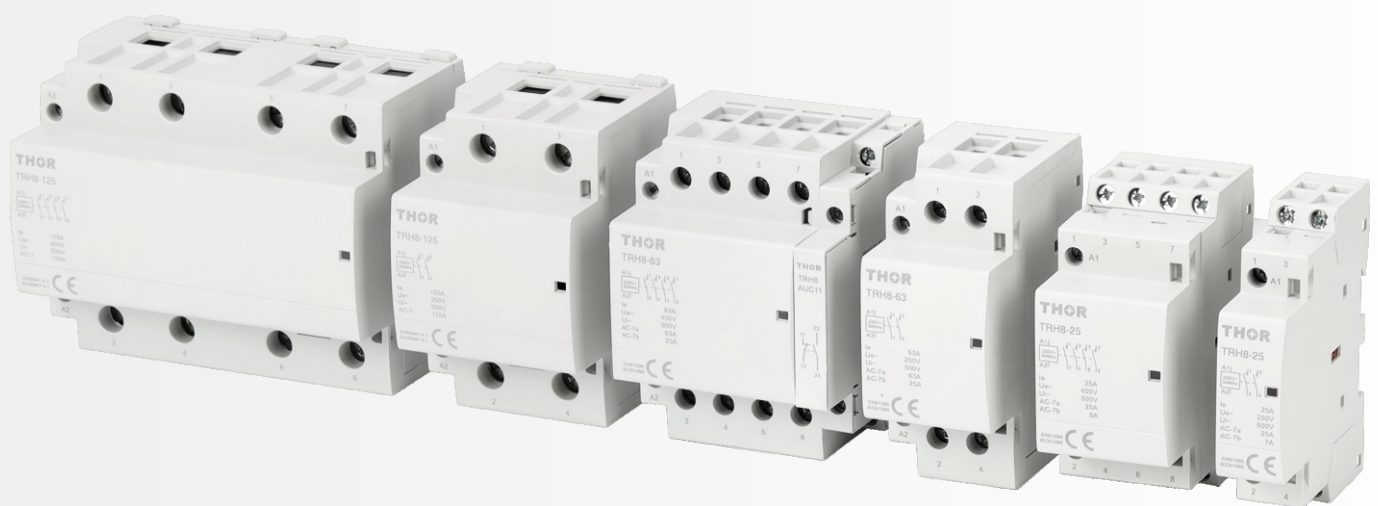


**THOR**

PROTECTOR OF LIGHTNING PROTECTION  
- SINCE 2006 -

# Catalogue TRH8 series contactors



# Enterprise Certificates

As a manufacturer of surge protective devices that pursues high quality, THOR invests a considerable proportion of its annual revenue in innovation, research and development, and international certification to meet the needs of customers in different fields, obtaining more and more certificates to ensure that our SPDs can be distributed in every corner of the world.

# Content

## Automatic household contactor TRH8 series

— Product introduction and parameters	P01
— AC contactorr	P02-06
— Auxiliary hoe	P07

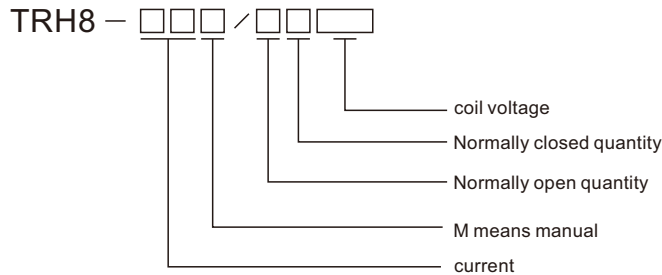


## TRH8 series contactors

The TRHB series contactors (hereinafter referred to as contactors) are mainly suitable for circuits with AC 50Hz (or 60Hz), rated working voltage up to 400V, and rated working current up to 125A, controlling low inductance and micro inductive loads for household appliances and similar purposes; It can also be used to control the load of household electric motors, and the control power should be correspondingly reduced.

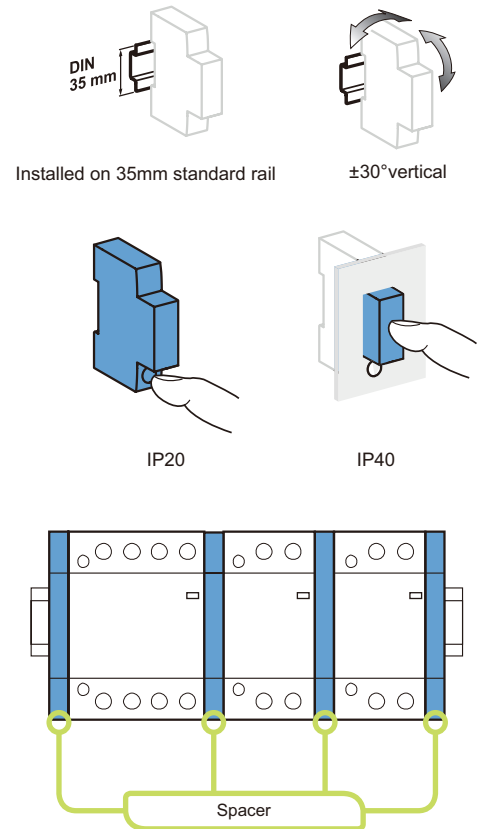
The product is applied in households, hotels, apartments and other places to achieve automation functions, and is applied in large-scale production of household appliances. Contactors comply with GB/T 17885, GB/T14048.4, IEC/EN61095, IEC/EN60947-4-1 standards. The attachment complies with GB/T14048.5 and IEC/EN 60947-5-1 standards.

### Model & Meaning



### Technical Data

Parameter/Type		TRHB
Voltage rating(Ue)	1P,2P	250V AC
	3P,4P	400V AC
Frequency		50/60Hz
Electrical life		100000
Maximum number of switching operation a day		100
Insulation voltage(Ui)		500V ac
Pollution Degree		2
Rated impulse withstand voltage(Uimp)		2.5kV(4kV@12/24/48VAC)
Degree of protection(IEC 60529)		IP20
		IP40
Storage temperature		-40°C~+70°C(1)
Tropicalization (IEC 60068-1)		Treatment 2(relative humidity 95% at 55°C)
ELSV compliance (Extra Low Safety Voltage) for 12/24/48 VAC versions		
The product control conforms to the SELV (safety extra low volatge) requirements		
Operating temperature		-5°C~+60°C ( 1 )

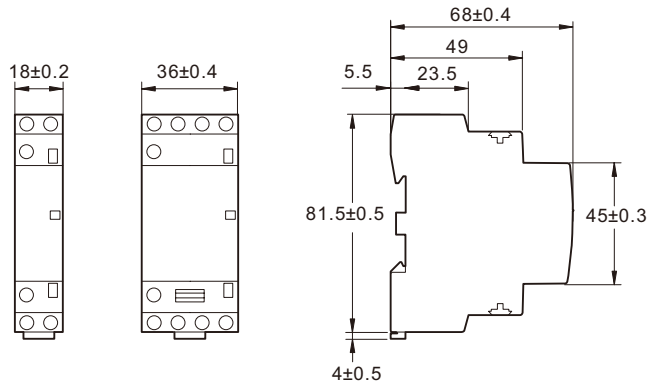


AC 2P,1modules



Type code	Rated current(I <sub>n</sub> )		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-16/20	16A	6A	24 110 230	
TRH8-20/20	20A	7A		
TRH8-25/20	25A	9A		
TRH8-16/11	16A	6A	24 110 230	
TRH8-20/11	20A	7A		
TRH8-25/11	25A	9A		
TRH8-16/02	16A	6A	24 110 230	
TRH8-20/02	20A	7A		
TRH8-25/02	25A	9A		

Product Size (mm)



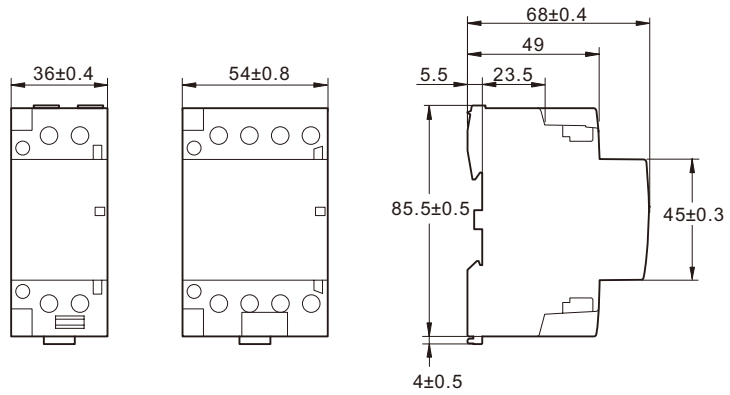
AC contactor

AC 2P,2modules



Type code	Rated current(I <sub>n</sub> )		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-32/20	32A	12A	24 110 230	
TRH8-40/20	40A	18A		
TRH8-63/20	63A	25A		
TRH8-32/11	32A	12A	24 110 230	
TRH8-40/11	40A	18A		
TRH8-63/11	63A	25A		
TRH8-32/02	32A	12A	24 110 230	
TRH8-40/02	40A	18A		
TRH8-63/02	63A	25A		

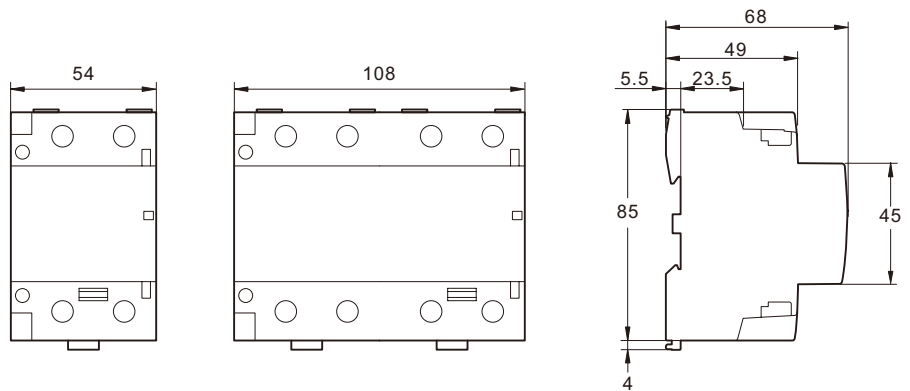
Product Size (mm)



AC 2P,3modules

Type code	Rated current(In)		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-80/20	80A	32A	24 110 230	
TRH8-100/20	100A	40A		
TRH8-125/20	125A	50A		
TRH8-80/11	80A	32A	24 110 230	
TRH8-100/11	100A	40A		
TRH8-125/11	125A	50A		
TRH8-80/02	80A	32A	24 110 230	
TRH8-100/02	100A	40A		
TRH8-125/02	125A	50A		

Product Size (mm)



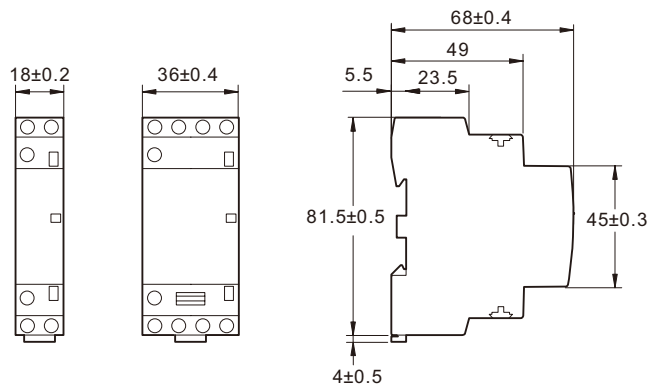




### AC 3P,2modules

Type code	Rated current(I <sub>n</sub> )		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-16/30	16A	6A	24 110 230 380	
TRH8-20/30	20A	7A		
TRH8-25/30	25A	9A		
TRH8-16/03	16A	6A	24 110 230 380	
TRH8-20/03	20A	7A		
TRH8-25/03	25A	9A		

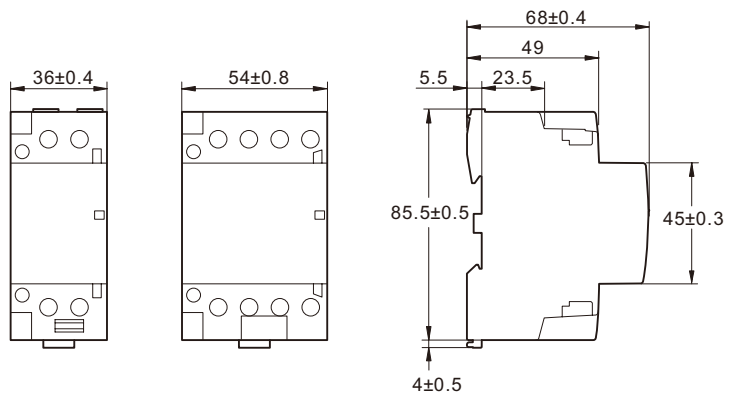
### Product Size (mm)



### AC 3P,3modules

Type code	Rated current(I <sub>n</sub> )		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-32/30	32A	12A	24 110 230 380	
TRH8-40/30	40A	18A		
TRH8-63/30	63A	25A		
TRH8-32/03	32A	12A	24 110 230 380	
TRH8-40/03	40A	18A		
TRH8-63/03	63A	25A		

### Product Size (mm)

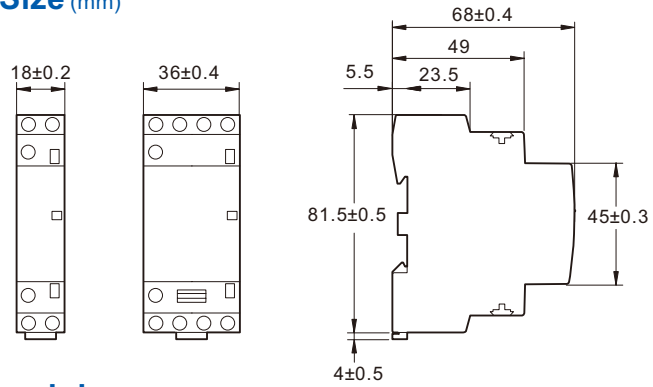


AC 4P,2modules



Type code	Rated current(In)		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-16/40	16A	6A	24 110 230 380	
TRH8-20/40	20A	7A		
TRH8-25/40	25A	9A		
TRH8-16/04	16A	6A	24 110 230 380	
TRH8-20/04	20A	7A		
TRH8-25/04	25A	9A		
TRH8-16/22	16A	6A	24 110 230 380	
TRH8-20/22	20A	7A		
TRH8-25/22	25A	9A		
TRH8-16/31	16A	6A	24 110 230 380	
TRH8-20/31	20A	7A		
TRH8-25/31	25A	9A		

Product Size (mm)



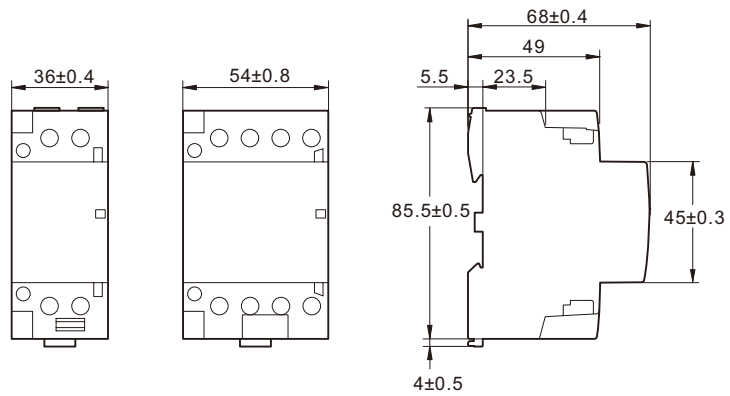
AC 4P,3modules



Type code	Rated current(In)		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-32/40	32A	12A	24 110 230 380	
TRH8-40/40	40A	18A		
TRH8-63/40	63A	25A		
TRH8-32/04	32A	12A	24 110 230 380	
TRH8-40/04	40A	18A		
TRH8-63/04	63A	25A		
TRH8-32/22	32A	12A	24 110 230 380	
TRH8-40/22	40A	18A		
TRH8-64/22	63A	25A		
TRH8-32/31	32A	12A	24 110 230 380	
TRH8-40/31	40A	18A		
TRH8-63/31	63A	25A		



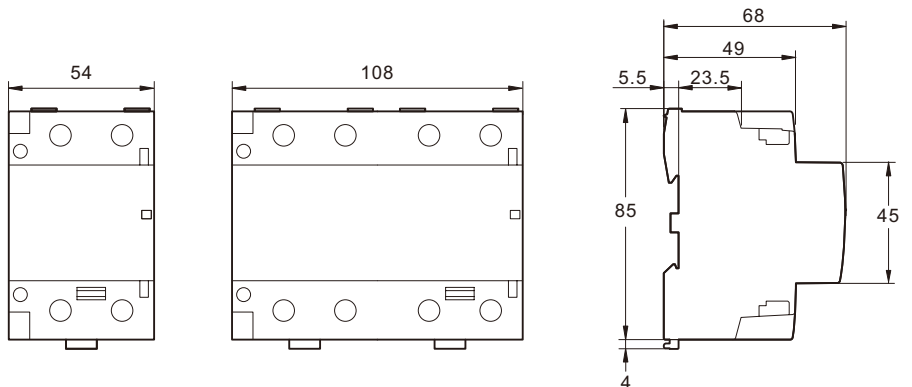
Product Size (mm)



AC 4P,6modules

Type code	Rated current(I <sub>n</sub> )		Control voltage (V AC)(50Hz)	Circuit diagram
	AC-7a AC-1	AC-7b AC-3		
TRH8-80/40	80A	32A	24 110 230 380	
TRH8-100/40	100A	40A		
TRH8-125/40	125A	50A		
TRH8-80/04	80A	32A	24 110 230 380	
TRH8-100/04	100A	40A		
TRH8-125/04	125A	50A		
TRH8-80/22	80A	32A	24 110 230 380	
TRH8-100/22	100A	40A		
TRH8-125/22	125A	50A		
TRH8-80/31	80A	32A	24 110 230 380	
TRH8-100/31	100A	40A		
TRH8-125/31	125A	50A		



Product Size (mm)



## Auxiliary accessories

### Auxiliary contact

This attachment is used to indicate the status of the contactor contacts as "open" or "closed"

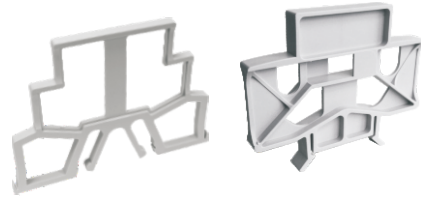
	AC-12		AC-12		AC-12		Control voltage (V AC/DC)(50Hz)	Circuit diagram
	voltage	current	voltage	current	voltage	current		
TRH8-AUC11	240V	5A	230V	2A	DC130V	1A	5A	
TRH8-AUC20	240V	5A	230V	2A	DC130V	1A	5A	



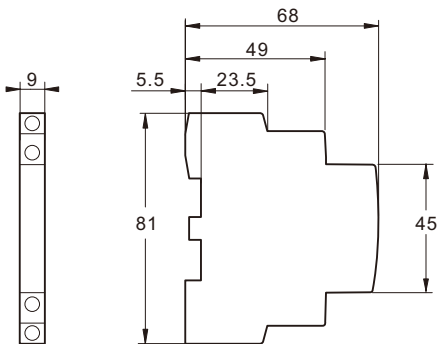
### Spacer

Spacers are used to reduce the temperature rise of devices installed side by side. It is recommended to separate electronic devices (temperature regulating devices, programmable clocks, etc.) from electromechanical devices (pulse relays, contactors)

	Spec
Spacer	3mm
	9mm



### Product Size (mm)





Cherish resources  
Be kind to the environment



# THOR

## Zhejiang THOR Electric Co.,Ltd

ADD: Qianyangdong Industrial Zone Yueqing  
Zhejiang Province,China Post code:325604

TEL: +86-577-6267 7705

Main Web: [www.thorele.com](http://www.thorele.com)

Sub Web 1 : [www.thorspd.com](http://www.thorspd.com)

Sub Web 2 : [www.thorsurge.com](http://www.thorsurge.com)

