

Znfo 正火股份

专注 工控领域36年

2023版

ZCH8t家用接触器



浙江正火电气股份有限公司

ZHEJIANG ZNFO ELECTRIC CO., LTD.

正火简介 Company Profile Of Znfo

正火股份是一家以工业控制电器为主导产品，以电力自动化等为辅，集制造、贸易、科研于一体的产销企业。

正火股份在上海和温州建有两大生产基地，拥有上海正火电气有限公司，浙江正火电气股份有限公司，大连二开开关有限公司等10多家控参股企业，50多家协作企业。

作为一家专业针对工控开关元件创新研发、生产为一体的供应商，产品广泛应用于起重、电力、工控等行业的重点工程，以最高的品质、安全性最强的解决方案和完善的售后服务来赢得广大用户一致好评的口碑。

公司发扬“同心、敬业、创新、争光”的企业精神，以“产业科技化、产品定制化、管理数字化，”为发展理念，以敏锐的目光，昂扬的姿态，面向世界，挑战新时代新未来。

As a production and marketing enterprise integrating manufacturing, trading and scientific research, ZNFO takes industrial control appliances as the leading products and electric automation products as the auxiliary products.

ZNFO has two production bases, respectively in Shanghai and Wenzhou, and owns more than 10 controlling and share holding enterprises and more than 50 cooperative enterprises, including Shanghai CHZHCT Electric Co., Ltd., Zhejiang ZNFO Electric Co., Ltd. and Dalian Toperkai Switch Co., Ltd.

As a supplier specializing in innovative R&D and production of industrial control switch components, with products widely used in key projects in the fields of lifting, electric power, industrial control, etc., ZNFO has won unanimous praise from users by virtue of the highest quality, the most secure solutions and the perfect after-sales services.

In the spirit of “Unity, Dedication, Innovation, Glory” and with the development idea of “Industrial Technicalization, Products Customization, Management Digitization”, ZNFO faces the world and challenges the new era and future with keen eyes and spirited attitude.

发展历史 Development History

创客阶段

2017-2027年

Maker stage
(2017-2027)

2018年浙江正火电气有限公司晋升为浙江正火电气股份有限公司，荣获安全生产标准化企业。
2019年荣获浙江省科技型中小企业、AAA级信用企业、荣获多项产品计算机软件著作权及专利证书。
2020年创新 " 正火超越者 " 系列产品10项、专利2项。
2021-2022年创新 "正火绿创" 系列20项，专利2项。
2022年-2027年计划创新100项以上、创客500位员工。

In 2018, Zhejiang CHZHCT Electric Co., Ltd. was promoted as Zhejiang ZNFO Electric Co., Ltd. and was awarded the Safe Production Standardization Enterprise.
In 2019, the Company was awarded Zhejiang Provincial Small and Medium-Sized Sci-tech Enterprise and AAA Credit Enterprise, with many products awarded the copyright of computer software and the patent certificate.
In 2020, the Company made innovations of 10 series products of "ZNFO Transcender" and was awarded 2 patents.
From 2021 to 2022, the Company made innovations of 20 series products of "ZNFO Green Innovation" and was awarded 2 patents.
From 2022 to 2027, the Company aims to make innovations of more than 100 items and increase employees by 500 persons.

提升阶段

2007-2017年

Promotion stage
(2007-2017)

2011年温州正火电气有限公司晋升为 "浙江正火电气有限公司"，投产行程开关、限位开关、起重开关、输送机综合智能保护装置系统等产品。
2012年荣获 "电气行业十大创新企业"。
2013年荣获 "中国电气行业十大评选——十大知名品牌"，聚焦两大平台建设——自主创客平台和赋能创客平台。
2016年推出 " 正火特制 " 高端工控产品，同年并通过 "ISO9001/14001/18001" 质量、环境、职业健康安全管理体系认证。
2017年荣获 " 正火特制 " 7项3C证书、"辅助开关" 2项专利。

In 2011, Wenzhou CHZHCT Electric Co., Ltd. was promoted as Zhejiang CHZHCT Electric Co., Ltd., with travel switches, limit switches, crane switches and comprehensive intelligent protection device systems for conveyors, etc. put into operation.
In 2012, the Company was rated as one of the "Top Ten Innovative Enterprises in Electrical Industry".
In 2013, the Company was listed in "Top Ten Awards of China's Electric Industry - Top Ten Famous Brands", and focused on the construction of the independent maker platform and the empowerment maker platform.
In 2016, the Company launched the high-end industrial control products of "TAND" series, and passed the certification of "ISO9001/14001/18001" Quality, Environment and Occupation Health Safety Management Systems.
In 2017, the Company won seven 3C certificates for "TAND" products and 2 patents for "auxiliary switches".

发展阶段

1997-2007年

Development stage
(1997-2007)

2002年 "乐清新光冲件配套厂" 更名为 "乐清市正大银触头厂"。
2003年通过ISO9001质量体系认证，同年获得市质量技术监督局颁发的质量保证能力认可证书。
2005年投产高低压线圈、凸轮触头总成、辅助开关及全套配件。
2006年 "乐清正大" 申报更名为 "温州正火电气有限公司"，并在上海成立 "上海正火电气有限公司"。
通过ISO9001转版认证、部分产品通过CE、CCC、ROSH认证。

In 2002, "Yueqing Xingguang Supporting Stamping Parts Factory" was renamed as "Yueqing Zhengda Silver Contact Tips Factory".
In 2003, the Company passed the certification of ISO9001 Quality System, and was awarded the quality assurance ability accreditation certificate issued by the Municipal Bureau of Quality and Technical Supervision.
In 2005, the Company put high-voltage and low-voltage coils, cam contact assemblies, auxiliary switches and complete sets of accessories into production.
In 2006, "Yueqing Zhengda" declared that it was renamed as "Wenzhou CHZHCT Electric Co., Ltd." and established "Shanghai CHZHCT Electric Co., Ltd." in Shanghai.
In the same year, the Company passed the certification of the updated ISO9001 system, and some products of the Company passed CE, CCC and ROHS certifications.

创业阶段

1987-1997年

Entrepreneurial stage
(1987-1997)

1987年创立 "柳市低压电气配件厂"，本着 "精益求精" 的精神，依靠质量和信誉求得生存。
1990年更名为 "乐清市新光冲件配套厂"。
1995年投资10万元引进冲压件、挤压机等设备，发展奠定了 "正火" 基业。

Founded in 1987, in the spirit of "Keeping Improving", "Liushi Low-voltage Electrical Accessories Factory" sought survival with quality and reputation.
In 1990, the Company was renamed as "Yueqing Xingguang Supporting Stamping Parts Factory".
In 1995, the Company invested 100,000 yuan to introduce stamping parts, extruders and other kinds of equipment, which laid the foundation of "ZNFO".



ZCH8t家用接触器

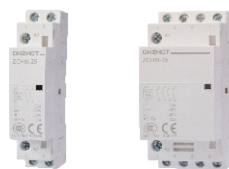


ZCH8t接触器范围的广度足以满足绝大多数应用场合。
ZCH8t接触器可扩展辅助控制、保护和指示功能。

ZCH8t 接触器有两种类型：

- 不带手动操作的接触器
- 带手动操作的接触器

ZCH8t 2P



ZCH8t 4P



- ZCH8t接触器可用于远程控制：
 - 照明，加热，通风，卷帘，公共热水
 - 机械通风系统等

接触器



指示附件
BACTs

- 此附件用于指示接触器主触点“开”或“关”的状态



双重信号控制附件
BACTc

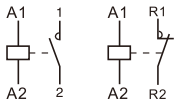
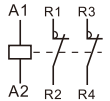
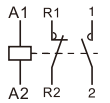
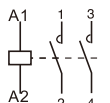
- 可接受两种类型的命令，从而实现对接触器的控制

接触器附件

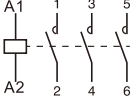
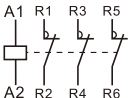
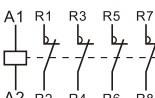
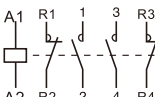
产品选型

	50Hz接触器的选型												
类型	接触器							手动操作接触器					
额定电流 A	16	20	25	32	40	63	100	16	20	25	32	40	63
附件	可安装附件的接触器												
BACTs指示附件	●												
BACTc控制附件 通过黄色的卡夹	●												
BACT24控制附件 通过黄色的卡夹	● (接触器230V–50Hz)												

产品型号

ZCH8t接触器-50Hz					
类型	额定电流(In)		控制电压 (V AC)(50Hz)	触点	宽度 (9mm的倍数)
	AC-7a	AC-7b			
1P 	16A	6A	24	1NO	2
	20A	7A	110	1NC	
	25A	9A	230		
2P					
	16A	6A	24	2NO	2
	20A	7A	110	1NO+1NC	
	25A	9A	230	2NC	
	32A	12A	24	2NO	4
	40A	18A	110	1NO+1NC	
	63A	25A	230	2NC	
	100A	-	24	2NO	6
			110		
			230		

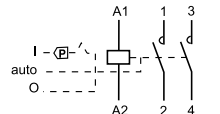
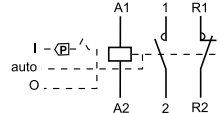
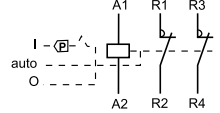
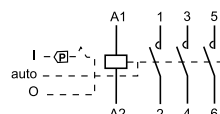
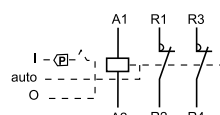
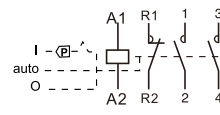
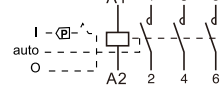
产品型号

ZCH8t接触器-50Hz					
类型	额定电流(In)		控制电压 (V AC)(50Hz)	触点	宽度 (9mm的倍数)
	AC-7a	AC-7b			
3P					
	16A	6A	24 110 230	3NO	4
	20A	7A		3NC	
	25A	9A			
	32A	12A	24 110 230	3NO	6
	40A	18A		3NC	
	63A	25A			
4P					
	16A	6A	24 110 230	4NO 4NC 2NO+2NC 3NO+1NC	4
	20A	7A			
	25A	9A			
	32A	12A	24 110 230	4NO 4NC 2NO+2NC 3NO+1NC	6
	40A	18A			
	63A	25A			
	100A	-	24 110 230	4NO	12

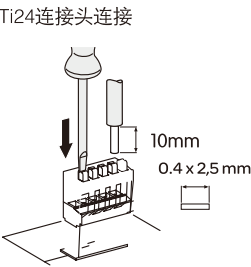
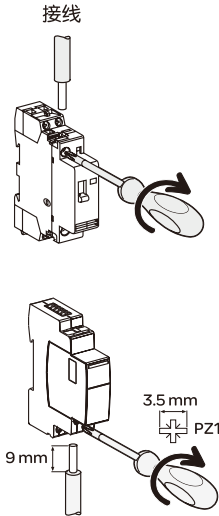
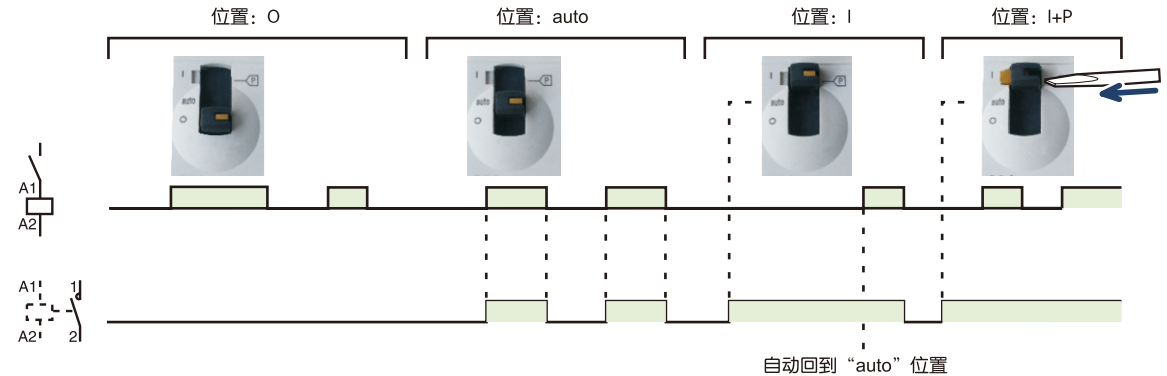
产品型号

ZCH8t手动操作接触器50Hz

类型

	额定电流(In)		控制电压 (V AC)(50Hz)	触点	宽度 (9mm的倍数)	
	AC-7a	AC-7b				
  	16A	6A	24	2NO	2	
	20A	7A	110	1NO+1NC		
	25A	9A	230	2NC		
		32A	12A	24	2NO	4
	40A	18A	110	1NO+1NC		
	63A	25A	230	2NC		
	4P					
	   	16A	6A	24	4NO	4
		20A	7A	110	4NC	
25A		9A	230	2NO+2NC		
		32A	12A	24	4NO	6
40A		18A	110	4NC		
63A		25A	230	2NO+2NC		
					3NO+1NC	

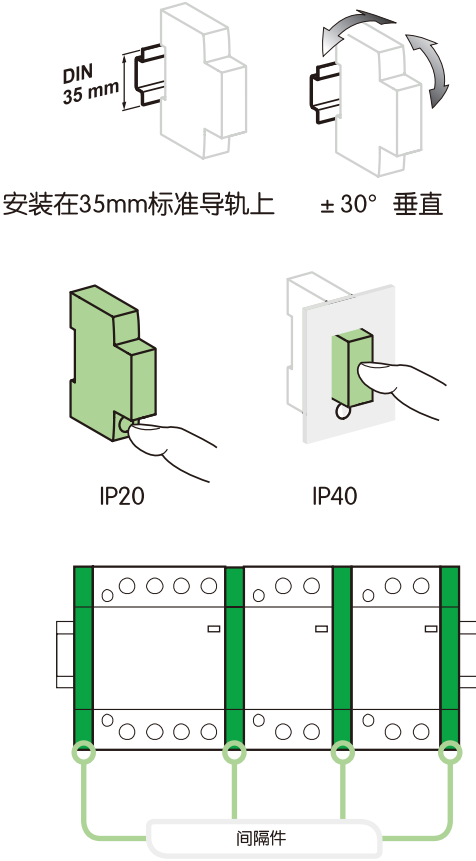
操作（手动操作接触器）



类型		额定电流	剥线长度	电路	扭矩	铜线	
						硬线	软线或箴线端子
							
ZCH8†	PZ1:4mm	16–100A	9mm	控制回路	0.8Nm	1.5~2.5mm ² 2 × 1.5mm ²	1.5~2.5mm ² 2 × 2.5mm ²
		16和25A		动力回路		1.5~6mm ²	1~4mm ²
	PZ2:6mm	40A–63A	14mm	3.5Nm	6~25mm ² 6 × 3.5mm ²	6~16mm ² 6~35mm ²	
		100A					
BACTs,BACTc PZ1:4mm		–	9mm	–	0.8Nm	1.5~2.5mm ² 2 × 1.5mm ²	1.5~2.5mm ² 2 × 2.5mm ²

类型	接线端子	额定扭矩	铜线		
			硬线	软线	插线端子
BACT24	电源(N/P)	1Nm	0.5~10mm ² 2 × 0.5~ 2 × 2.5mm ²	0.5~6mm ² 2 × 0.5~ 2 × 2.5mm ²	0.5~4mm ² 2 × 0.5~ 2 × 2.5mm ²
	输入(Y1/Y2)				

类型	接线端子	铜线	
		硬线	软线
Ti24连接头	弹簧压紧端子	1 × 0.5~1.5 mm ²	1 × 0.5~1.5 mm ²



技术参数

主电路		
额定电压(Ue)	1P,2P	250V AC
	3P,4P	400V AC
频率	50/60Hz	
寿命(O-C)		
电气寿命	100,000次	
每天最大开关操作次数	100	
附加特性		
绝缘电压(Ui)	500 V AC	
污染等级	2	
额定冲击耐受电压(Uimp)	2.5kV(4kV@ 12/24/48VAC)	
防护等级 (IEC 60529)	断路器本体	IP20
	安装在配电箱内	IP40
工作温度	-5℃~+60℃ ⁽¹⁾	
存储温度	-40℃~+70℃	
抗湿热性(IEC 60068.1)	2类(温度55℃时，相对湿度为95%)	
ELSV(超低安全电压)符合12/24/48VAC版本		
产品控制符合SELV(安全超低电压)的要求		

(1)当接触器安装在配电箱内时，其两侧必须拼装间隔件，以利于散热。

电气附件

信号类

1 BACTs 1NO+1NC

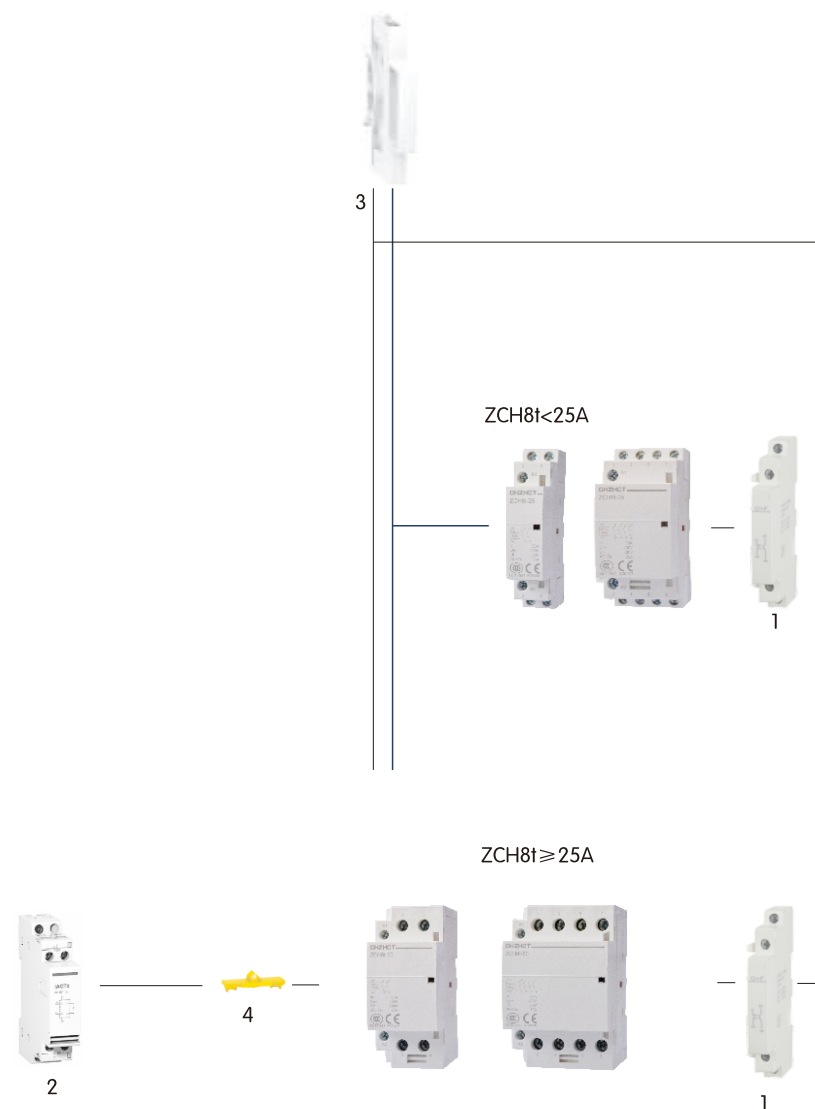
控制类

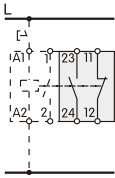
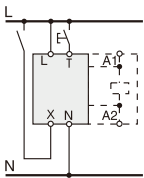
2 BACTc 230V AC
24V AC

安装附件

3 9mm间隔件

4 黄色卡夹



信号类		控制类
附件	BACTs	BACTs
类型	信号触点	脉冲/持续信号控制
		
功能	●用于指示接触器主触点的“开”或“关”状态	●连接此附件的接触器使其可以由两类命令控制； ○脉冲命令用于本地控制(输入T) ○持续信号命令用于集中控制(输入X) ○最后接收到的命令具有优先权
接线图		
安装	●安装在ZCH8t右侧	●通过黄色卡夹安装在ZCH8t左侧
使用	—	●供电回路断开后： ○<1s:保持初始状态 ○≥5s: 复位 ○手动作用于X或T即重新启动 ●最小脉冲持续时间: 250ms
技术规格		
控制电压(Ue)	VAC	24...240
	VDC	24...130
工作频率	Hz	50
宽度(9mm的倍数)		1
辅助触点(分断能力)	●最小: 10mA在24VDC/AC-COS Φ=1 ●最大: ○5A在240V DC-COS Φ=1 ○1A 在130 VDC	
触点数	1NO+1NC	
工作温度	℃	-5℃~+50℃
存储温度	℃	-40℃~+70℃

功耗

ZCH8t接触器-50Hz

类型

	额定电流(In)		控制电压 (VAC)(50Hz)	功耗 保持	功耗 吸合	最大功率
	AC-7a	AC-7b				
1P	25A	9A	230...240	2.7VA	9.2VA	1.2W
2P	16A	6A	230...240	2.7VA	9.2VA	1.2W
	20A	7A	230...240	2.7VA	9.2VA	1.2W
	25A	9A	24	3.8VA	15VA	1.3W
			230...240	2.7VA	9.2VA	1.2W
			230...240	2.7VA	9.2VA	1.2W
	40A	18A	220...240	4.6VA	34VA	1.6W
	63A	25A	220...240	4.6VA	34VA	1.6W
	100A	-	220...240	6.5VA	53VA	2.1W
	25A	9A	220...240	4.6VA	34VA	1.6W
	40A	18A	220...240	6.5VA	53VA	2.1W
3P	63A	25A	220...240	6.5VA	53VA	2.1W
	16A	6A	220...240	4.6VA	34VA	1.6W
	25A	9A	24	4.6VA	34VA	1.6W
4P			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
	32A	12A	220...240	6.5VA	53VA	2.1W
	40A	18A	220...240	6.5VA	53VA	2.1W
	63A	25A	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

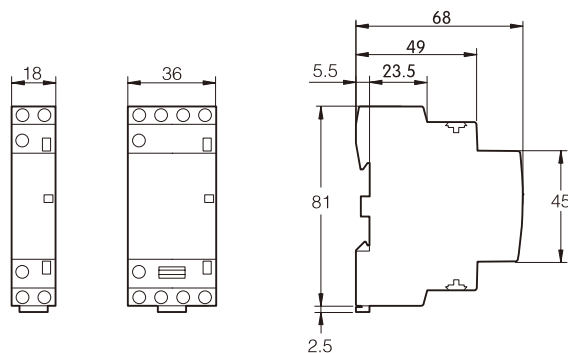
功耗

ZCH8t手动操作接触器-50Hz

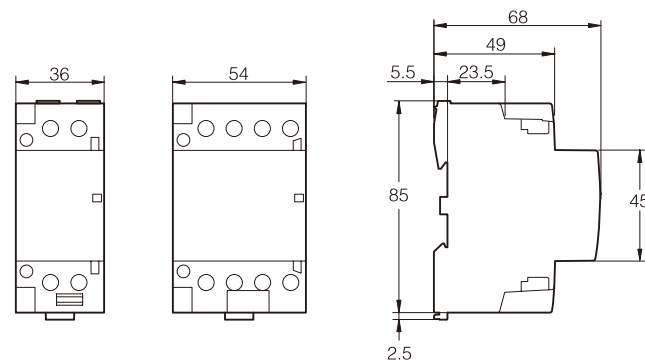
类型

	额定电流(In)		控制电压 (VAC)(50Hz)	功耗 保持	功耗 吸合	最大功率
	AC-7a	AC-7b				
2P	25A	9A	230...240	2.7VA	9.2VA	1.2W
	40A	18A	220...240	4.6VA	34VA	1.6W
	63A	25A	220...240	4.6VA	34VA	1.6W
4P	25A	9A	220...240	4.6VA	34VA	1.6W
	40A	18A	220...240	6.5VA	53VA	2.1W
	63A	25A	220...240	6.5VA	53VA	2.1W

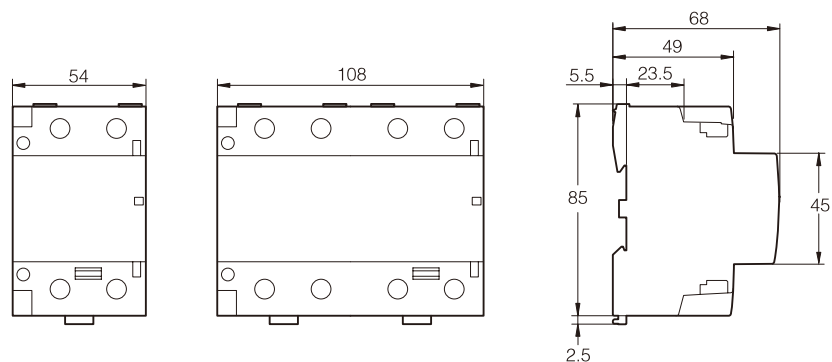
尺寸(mm)



ZCH8t-16/20/25A

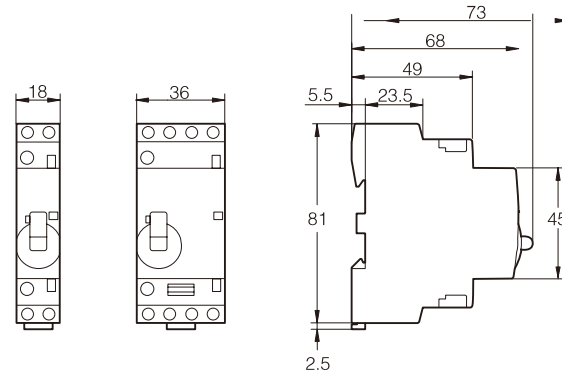


ZCH8t 32/40/63A

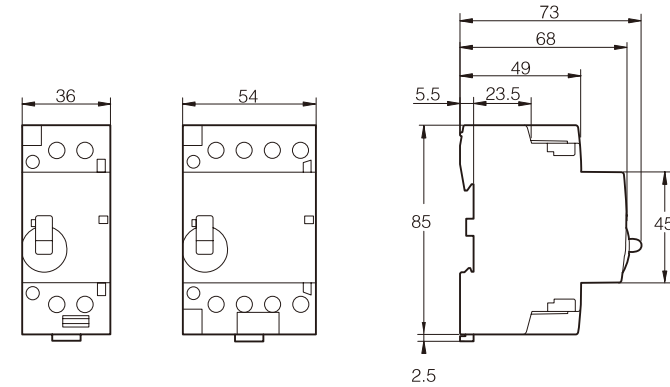


ZCH8t 100A

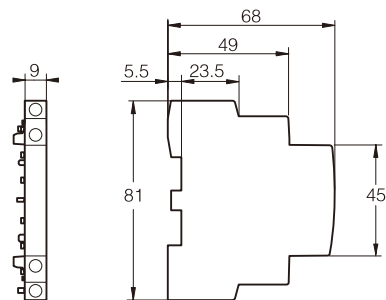
尺寸(mm)



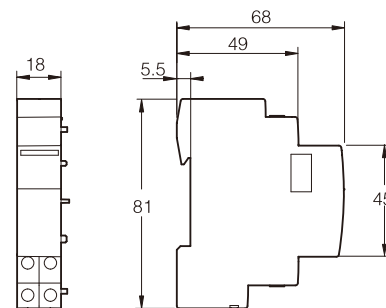
ZCH8i手动操作接触器16/20/25A



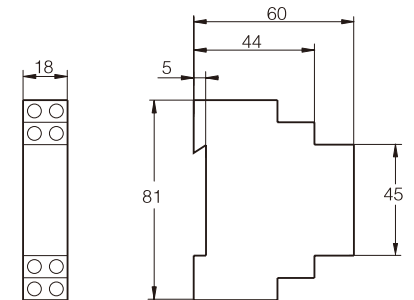
ZCH8i手动操作接触器32/40/63A



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