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## 建筑用接触器

### 产品概览 Product overview



### 型号规格说明 Model specification

AO	CT	—	63	M	2NO	2P
1	2		3	4	5	6
序号S/N	序号名称 S/N NAME	型号解释 Model Comment				
1	企业代号 Enterprise code	中奥				
2	产品代号 Product code	CT: 建筑用接触器 Contactor for construction				
3	额定工作电流 Rated current	16A、20A、25A、40A、63A、100A				
4	操作方式 Operation method	<input type="checkbox"/> : 电动操作 Electric operation      M: 手动操作 Manual operation				
5	触头构造 Contact Structure	No: 常开触头 Normally open contact      NC: 常闭触头 Normally closed contact				
6	极数 Pole	1P、2P、3P、4P				

### 适用范围与用途

AOCT 系列建筑式交流接触器（又称为模数化交流接触器），主要适用于交流50Hz/60Hz，额定工作电压至400V，额定工作电流至100A的电力系统中，在AC-1、AC-7a（无感或低感负载、电阻炉、家用电器和类似用途的低感负载）使用类别下，作远距离开关和控制电路之用，也可用于控制家用电动机负载。家用交流接触器不用于分断短路电流，因此使用时应选配适当的短路保护电器（如小型断路器）。符合标准IEC61095，GB17885。

AOCT 建筑式交流接触器是具有可扩展辅助控制、保护和指示功能。主要应用于家庭、宾馆、公寓、办公楼、公共建筑、购物中心、体育馆等场所。

### Application Range

AOCT series Household AC Contactor (also called modular AC Contactor), is mainly used in power systems with current 50Hz/60Hz, rated working voltage up to 400V, and rated working current up to 100A. Under the AC-1, AC-7a (No-inductive or low-inductive load, resistance furnace, household appliances or low-inductive load for similar purposes) usage category, it can be used as remote switch and control circuit, and also can be used to control household motor load. Household AC contactors are not used to break short-circuit current, so appropriate short-circuit protection appliances (such as Micro Circuit Breaker) should be selected when in use. Compliance with IEC61095, GB17885 standards.

AOCT Household AC Contactor has expandable auxiliary control, protection and indication functions. Mainly used in homes, hotels, apartments, office buildings, public buildings, shopping centers, stadiums and other places.

## 建筑用接触器

### 产品技术特性 Product Technical Characteristics

#### 额度工作制

- a) 八小时工作制: 此工作制是基本工作制, 接触器的约定自由空气发热电流  $I_{th}$  即由此工作制确定。  
 b) 断续周期工作制: 家用交流接触器在本工作制下的额定操作频率为 30 次/h, 负载因数为 40%。

#### Quota work system

- a) Eight-hour work system: This is the basic operating system, and the agreed free air heating current  $I_{th}$  of the contactor is determined by this operating system.  
 b) Intermittent work system: The rated operating frequency of Household AC Contactor under this working system is 30 times/h, and the load factor is 40%.

#### 动作 (操作) 条件

在周围空气温度为  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$  范围内, 对接触器吸引线圈施以额定控制电源电压  $U_s$ , 使其发热至稳定状态时, 接触器应在  $(85\% \sim 110\%) U_s$  范围内任何电压下能可靠的闭合; 在额定控制电源电压  $U_s$  的 75% 和 20% 之间释放和断开。

#### Action (operation) conditions

When the ambient air temperature is within the range of  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$ , the contactor attracting coil is applied with the quota control power supply voltage ( $U_s$ ) to make it heat to a stable state, the contactor should be in the range of  $(85\% \sim 110\%) U_s$  can be closed reliably at any voltage; it is released and disconnected between 75% and 20% of the rated control power supply voltage ( $U_s$ ).

#### 产品寿命

机械寿命: 模数化接触器的机械寿命不小于100万次。  
 电寿命: 模数化接触器的电寿命不小于10万次。

#### Product life

Mechanical life: The mechanical life of the modular contactor is not less than 1 million times.  
 Electrical life: The electrical life of the modular contactor is not less than 100,000 times.

#### 正常工作条件

周围空气温度: 周围空气温度上限为  $+40^{\circ}\text{C}$ , 下限为  $-5^{\circ}\text{C}$ , 当接触器安装于配电箱内时, 其两侧必须拼装间隔件, 以利于散热。

海拔: 安装地点的海拔高度不超过2000m。

大气条件: 安装温度为  $+40^{\circ}\text{C}$  时, 空气的相对湿度不超过 50%, 在较低的温度下可以允许较高的相对湿度, 例如例如  $+20^{\circ}\text{C}$  时达 90%, 对由于温度变化偶尔产生的凝露应采取特殊的措施

污染等级: II级。

安装类别: II级。

安装方式: 采用TH35 - 7.5型导轨安装, 安装处无显著冲击和震动, 垂直安装, 安装面与任何方向的倾斜度不超过  $5^{\circ}$ 。

#### Normal working conditions

Ambient air temperature: The upper limit of the ambient air temperature is  $+40^{\circ}\text{C}$ , and the lower limit is  $-5^{\circ}\text{C}$ . When the contactor is installed in the distribution box, spacer must be assembled on both sides to facilitate heat dissipation.

Altitude: The altitude of the installation site must not exceed 2000 meters.

Atmospheric conditions: when the installation temperature is  $+40^{\circ}\text{C}$ , the relative humidity in the air cannot exceed 50%, and higher relative humidity can be allowed at lower temperatures, for example, the relative humidity of the air can reach 90% at  $+20^{\circ}\text{C}$ . Special measures should be taken for condensation caused by temperature changes.

Pollution degree: Class II.

Installation category: Class II.

Installation method: Adopt TH35-7.5 guide rail installation, there is no obvious shock and vibration at the installation place, vertical installation, the inclination of the installation surface from any direction cannot exceed  $5^{\circ}$ .

#### 产品特点

- ①、模数化控制电器, 结构新颖, 体积小巧。
- ②、安装轨道化, 尺寸模数化, 使用安全化, 可与小型断路器组合安装于控制照明箱内。
- ③、采用优质绝缘材料, 大大提高了安全性。
- ④、外形美观, 有工作状态指示窗。
- ⑤、没有噪音, 适用于宾馆、医院等场所。

#### Features

- ①Modular control electrical appliances, novel structure, small size.
- ②The installation is track-based, modular size, safe use. It can be combined with a miniature circuit breaker and installed in the distribution box.
- ③The use of high-quality insulating materials, greatly enhance the safety.
- ④Nice appearance, with working status indicator window.
- ⑤No noise, suitable for hotels, hospitals and other places.

#### 工作原理

当线圈通电后, 线圈电流产生磁场, 产生足够的电磁吸力以克服反作用力, 将衔铁吸合, 使触头接通, 当线圈电压消失

或线圈电压将低到某一数值, 即所谓释放电压时, 由于衔铁端面产生的磁通减少, 电磁吸力就开始小于反作用弹簧、触

头弹簧等产生的反作用力。衔铁就在此反作用力的作用下释放, 离开磁轭, 触头随即亦分断。

#### Working principle

When the coil is energized, the coil current generates a magnetic field to generate enough electromagnetic attraction to attract the fixed core and make the contacts connected. When the coil voltage disappears or the coil voltage will drop to a certain value (release voltage), the electromagnetic attraction is weakened and driven by the reaction force spring, the fixed core drives the contacts to disconnect.

建筑用接触器

产品选型 Product model



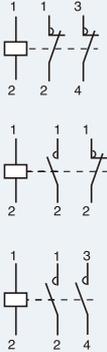
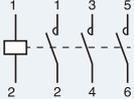
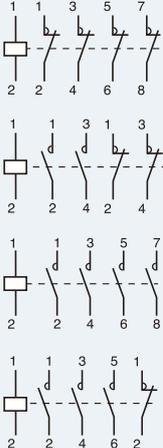
规格 Specification		16A	20A	25A	40A	63A	100A	
额定电流 Rated current	AC-7a	16	20	25	40	63	100	
	AC-7b	6	7	8.5	15	20	30	
约定发热电流Ith (A) Conventional Thermal Current		25	25	25	63	63	100	
额定绝缘电压Ui(V) Rated Insulated Voltage		500						
额定工作电压Ue (V) Rated Operational Voltage		250V(1P/2P) 400V(3P/4P)						
主触头数量 Number of Main Contacts	1P	1NO、1NC						
	2P	1NO+1NC、2NO、2NC						
	3P	3NO、3NC						
	4P	2NO+2NC、3NO+1NC、4NO、4NC						
控制功率 Control Power	AC-7a	230V	3.5	4.5	5.5	9	14	22
		400V	6.5	8	10	16	25	38
	AC-7b	230V	1.4	1.6	2	3.5	4.5	6.5
		400V	2.4	2.8	3.4	6	8	11
电气寿命 (次) Electrical Life (Times)		10万						
机械寿命 (次) Mechanical Life (Times)		100万						
一小时最大开关操作次数 Maximum number of switch operations per hour		30						
每天最大开关操作次数 Maximum number of switch operations per day		100						
额度控制电源电压Us (V) Quota Control Power Supply Voltage		AC 24/50Hz AC230/50Hz						
频率 Frequency		50Hz/60Hz						
污染等级 Pollution Level		2						
额定冲击耐受电压 (Uimp) Rated Withstand Voltage		2.5kV (4kV--12/24/48VAV)						
防护等级 (IEC60529) Protection Level	接触器本体 Contactor Only	IP20						
	安装在配电箱内 Installed in the distribution box	IP40						
工作温度 Operational Temperature		-5°C~+60°C						
存储温度 Storage Temperature		-40°C~+70°C						
抗湿热性 (IEC60068.1) Heat Resistance		2类 (温度55°C时, 相对湿度为95%) Class 2 (The relative humidity is 95% when the temperature is 55°C)						
ELSV(超低安全电压)符合 12/24/48VAC版本 ELSV(Ultra-low safety voltage)Compliant with 12/24/48VAC Version								
产品控制符合SELV(安全超低电压)的要求 Product control meets SELV requirements								

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。  
When the contactor is installed in the distribution box, spacer must be assembled on both sides to facilitate heat dissipation.

# 建筑用接触器

## 产品选型 Product model

AOCT-□建筑式接触器-50Hz Contactor for construction

类型 Type				宽度 (9mm的倍数) Width Multiples of 9mm	
1P	额定电流(In) Rated Current		控制电压 (A AC)(50Hz) Control Voltage	触点 Contacts	
	AC7a	AC7b			
	25A	8.5A	230...240	1NO	2
	16A	6A	230...240	2NO	2
			230...240	1NO+1NC	2
	25A	8.5A	24	2NO	2
			230...240	2NO	2
			230...240	2NC	2
	40A	15A	220...240	2NO	4
	63A	20A	220...240	2NO	4
100A	-	220...240	2NO	6	
	25A	8.5A	220...240	3NO	4
	40A	15A	220...240	3NO	6
	63A	20A	220...240	3NO	6
	16A	6A	220...240	2NO+2NC	4
	25A	8.5A	24	4NO	4
			220...240	4NO	4
			24	4NC	4
			220...240	4NC	4
	40A	15A	220...240	2NO+2NC	4
			220...240	4NO	6
	63A	20A	220...240	4NO	6
			220...240	4NC	6
			220...240	2NO+2NC	6
			220...240	3NO+1NC	6
	100A	-	220...240	4NO	12

## 建筑用接触器

### 产品选型 Product model

#### AOCT-□M手动操作接触器50Hz Manual Operation Modular Contactor

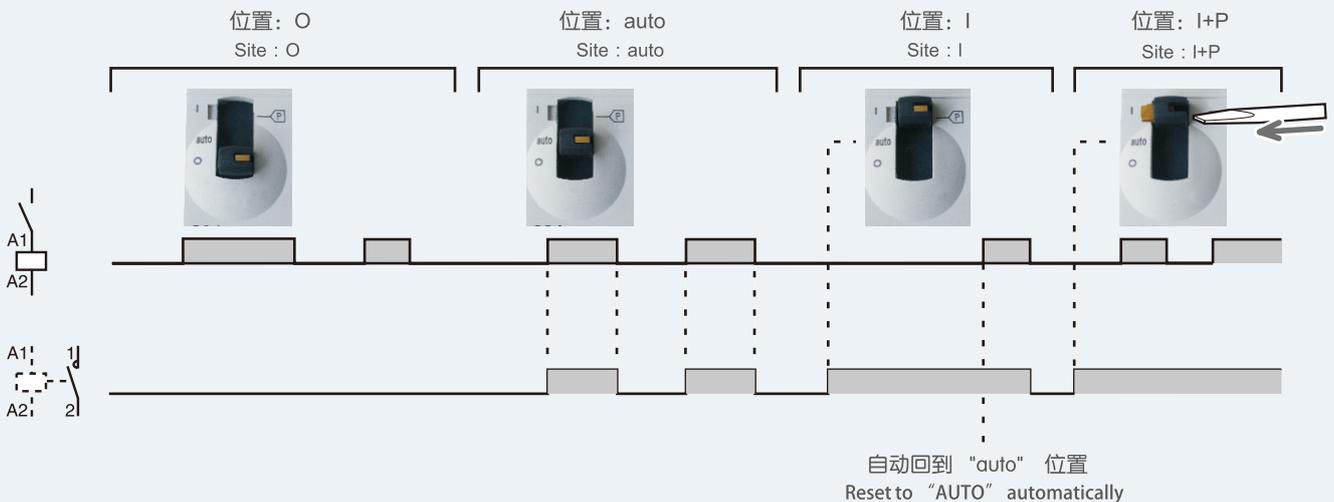
类型 Manual Operation Modular Contactor

宽度  
(9mm的 倍数)  
Width  
(Multiples of 9mm)

2P	额定电流(In) Rated Current		控制电压 (VAC)(50Hz) Control Voltage	触点 Contacts	宽度 (9mm的 倍数) Width (Multiples of 9mm)
	AC7a	AC7b			
	25A	8.5A	230...240	2NO	2
	40A	15A	220...240	2NO	4
	63A	20A	220...241	2NO	4
	25A	8.5A	220...240	4NO	4
	40A	15A	220...240	4NO	6
	63A	20A	220...241	4NO	6

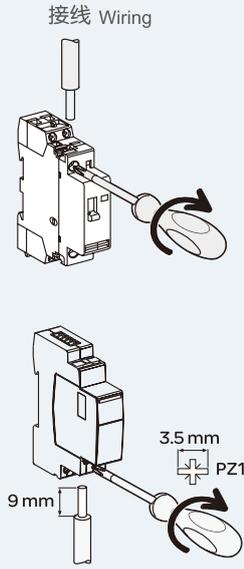
### 操作 (手动操作接触器)

#### Operation (Manual Operation Modular Contactor)

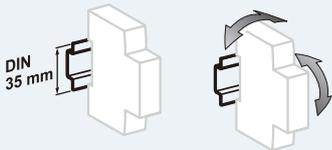
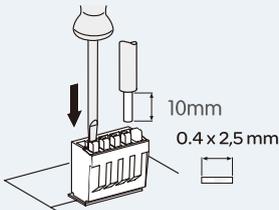


# 建筑用接触器

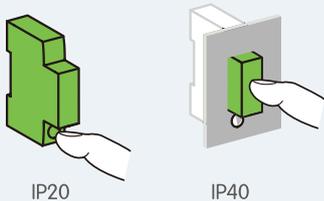
## 产品选型 Product model



Ti24接头连接  
Ti24 connector

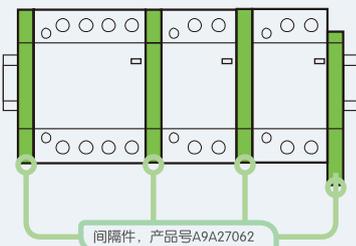


安装在35mm ± 标准导轨上 ±30° 垂直  
Installed on 35mm ± standard rail, ±30° vertical



IP20

IP40



Spacer, product ID is A9A27062

类型 Type	额定电流 Rated Current	剥线长度 Wire Skin Stripping Length	电路 Electric Circuit	扭矩 Torque	铜线 Copper Wire	
					硬线 Hard Wire	软线或箔线端子 Flexible Wire / Terminals
AOCT	PZ1:4mm	9mm	控制回路 Control Circuit	0.8Nm	1.5~2.5mm: 2 × 1.5mm <sup>2</sup>	1.5~2.5mm: 2 × 2.5mm <sup>2</sup>
			动力回路 Power Circuit		1.5 × 6mm <sup>2</sup>	1~4mm <sup>2</sup>
	PZ2:6mm	14mm		3.5Nm	6 × 2.5mm <sup>2</sup> 6 × 3.5mm <sup>2</sup>	6~16mm <sup>2</sup> 6~35mm <sup>2</sup>
AOCTs,AOCTc	PZ1:4mm	9mm	-	0.8Nm	1.5 × 2.5mm <sup>2</sup> 2 × 1.5mm <sup>2</sup>	1.5 × 2.5mm <sup>2</sup> 2 × 2.5mm <sup>2</sup>

类型 Type	接线端子 Terminals	额定扭矩 Rated Torque	铜线 Copper Wire		
			硬线 Hard Wire	软线 Flexible Wire	箔线端子 Terminals
ACT24	电源(N/P) Power Supply 输入(Y1/Y2) Input	1Nm	0.5~10mm: <sup>2</sup> 2 × 0.5~ 2 × 2.5mm <sup>2</sup>	0.5~6mm: <sup>2</sup> 2 × 0.5~ 2 × 2.5mm <sup>2</sup>	0.5~4mm: <sup>2</sup> 2 × 0.5~ 2 × 2.5mm <sup>2</sup>

类型 Type	接线端子 Terminals	产品号 Product ID	铜线 Copper Wire	
			硬线 Hard Wire	软线 Flexible Wire
Ti24接头 Ti24 connector	弹簧压紧端子 Compress the terminal with the spring	A9XC2412	1 × 0.5~1.5 mm <sup>2</sup>	1 × 0.5~1.5 mm <sup>2</sup>

## 技术参数 Technical Parameters

主电路 Main circuit		
额定电压(Ue) Rated Voltage	1P,2P 3P,4P	250V AC 400V AC
频率 Frequency		50Hz
寿命(O-C) Life		
电气寿命 Electrical Life		100,000次
每天最大开关操作次数 Maximum number of switch operations per day		100
附加特性 Additional Features		
绝缘电压(Ui) Insulation Voltage		500 V AC
污染等级 Pollution Level		2
额定冲击耐受电压(Uimp) Rated Withstand Voltage		2.5kV(4kV@ 12/24/48VAC)
防护等级 (IEC 60529) Protection Level	断路器本体 Circuit Breaker Only 安装在配电箱内 Installed in the distribution box	IP20 IP40
工作温度 Operational Temperature		-5°C ~ +60°C <sup>(1)</sup>
存储温度 Storage Temperature		-40°C ~ +70°C
抗湿热性(IEC 60068.1) Heat Resistance		2类(温度55°C时, 相对湿度为95%) Class 2 (The relative humidity is 95% when the temperature is 55°C)
ELSV(超低安全电压)符合12/24/48VAC版本 ELSV(Ultra-low safety voltage) Compliant with 12/24/48VAC Version		
产品控制符合SELV(安全超低电压)的要求 Product control meets SELV requirements		

(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。间隔件产品号为A9A27062。  
When the contactor is installed in the distribution box, spacer must be assembled on both sides to facilitate heat dissipation. Spacer product ID is A9A27062

## 建筑用接触器

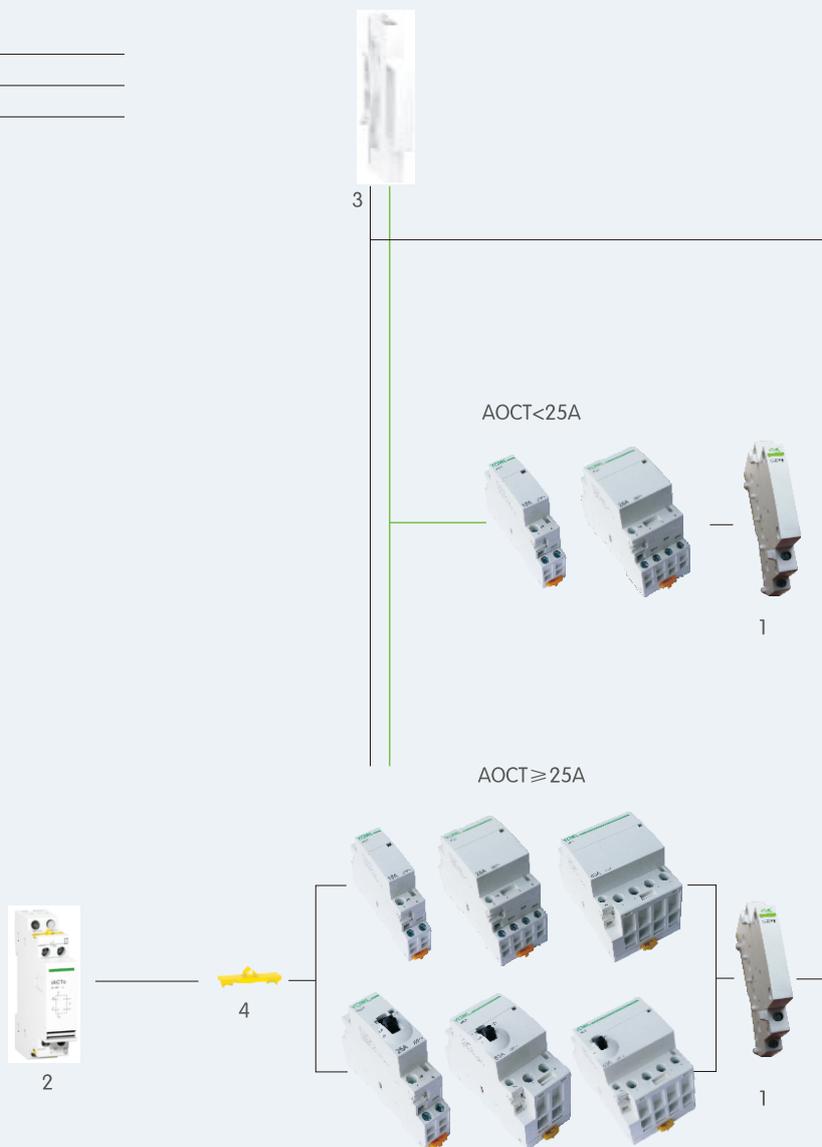
### 产品选型 Product model

#### 电气附件 Electrical Accessories

信号类 Signal Type	
1 AOCTs	1NO+1NC
控制类 Control Type	
2 AOCTc	230V AC
	24V AC

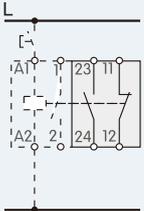
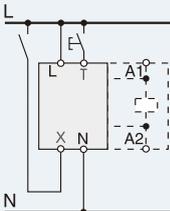
#### 安装附件 Installation Accessories

3	9mm间隔件 9mm spacer
4	黄色卡夹 Yellow Buckle



## 建筑用接触器

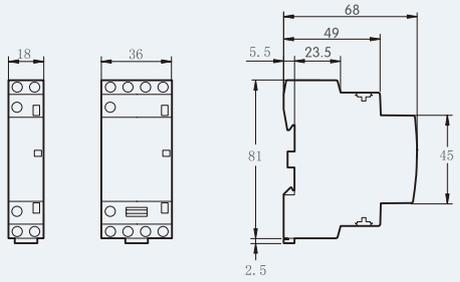
### 产品选型 Product model

	信号类 Electrical Accessories	控制类 Control Type
附件 Accessories	AOCTs	AOCTc
类型 Type	信号触点 Signal Contact	脉冲持续信号控制 Pulse Duration Signal Control
		
功能 Function	<ul style="list-style-type: none"> <li>● 用于指示接触器主触点的“开”或“关”状态</li> <li>● Used to indicate the "on" or "off" state of the contactor's main contact</li> </ul>	<ul style="list-style-type: none"> <li>● 连接此附件的接触器使其可以由两类命令控制；</li> <li>○ 脉冲命令用于本地控制(输入T)</li> <li>○ 持续信号命令用于集中控制(输入X)</li> <li>○ 最后接收到的命令具有优先权</li> <li>● Connect the contactor of this accessory so that it can be controlled by two types of commands</li> <li>○ Pulse command for local control(input T)</li> <li>○ Duration signal command for centralized control (input X)</li> <li>○ The last command received has priority</li> </ul>
接线图 Wiring diagram		
安装 Installation	<ul style="list-style-type: none"> <li>● 安装在AOCT右侧</li> <li>● Installed on the right side of AOCT</li> </ul>	<ul style="list-style-type: none"> <li>● 通过黄色卡夹安装在AOCT左侧</li> <li>● Installed on the left side of AOCT by the yellow buckle</li> </ul>
使用 Usage	-	<ul style="list-style-type: none"> <li>● 供电回路断开后；</li> <li>○ &lt;1s:保持初始状态</li> <li>○ ≥5s:复位</li> <li>○ 手动作用于X或T即重新启动</li> <li>● 最小脉冲持续时间: 250ms</li> <li>● After the power circuit is disconnected</li> <li>○ &lt;1s:Keep the initial state</li> <li>○ ≥5s:Reset</li> <li>○ Manually operate on X or T to restart</li> <li>● Minimum pulse duration: 250ms</li> </ul>
产品号 Product ID	A9C15914	A9C18308   A9C18309
技术规格 Technical Specification		
控制电压(Ue) Control Voltage	VAC 24...240 VDC 24...130	230...240   24...48
工作频率 Working Frequency	Hz 50	50
宽度(9mm的倍数) width(Multiples of 9mm)	1	2
辅助触点(分断能力) Auxiliary Contact (Breaking Capacity)	<ul style="list-style-type: none"> <li>● 最小: 10mA在24V DC/AC-COS φ =1</li> <li>● 最大: ○5A在240V DC-COS φ =1 ○1A在130VDC</li> <li>● Minimum:10mA in 24V DC/AC-COS φ =1</li> <li>● Maximum: ○5A in 240V DC-COS φ =1 ○1A in 130V DC</li> </ul>	-
触点数 Number of contacts	1NO+1NC	-
工作温度 Operation Temperature	℃ -5℃~+50℃	
存储温度 Storage Temperature	℃ -40℃~+70℃	

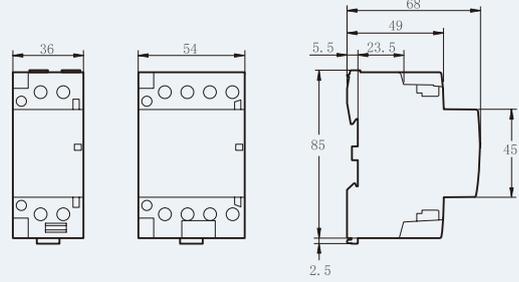


建筑用接触器

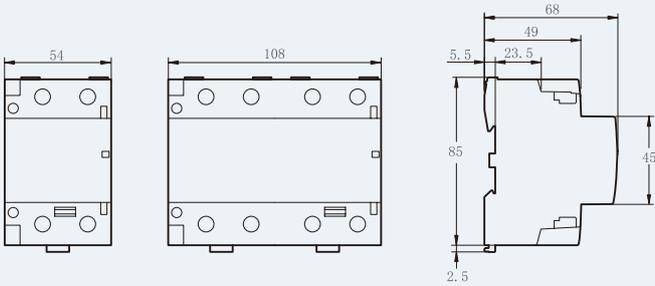
安装尺寸示意图 Dimensions(mm)



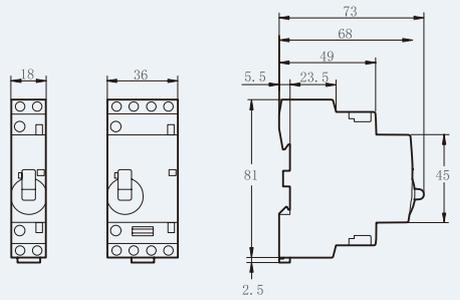
AOCT-16/25A



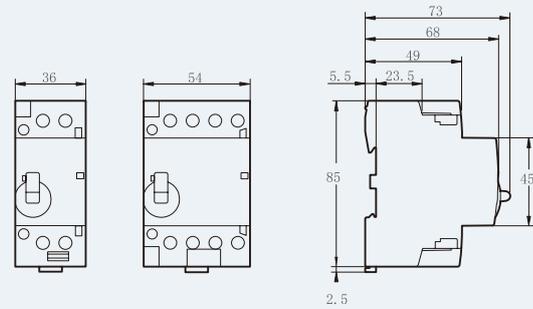
AOCT-40/63A



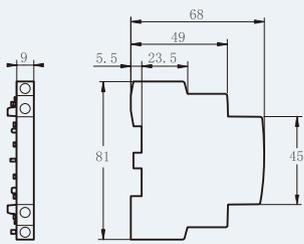
AOCT-100A



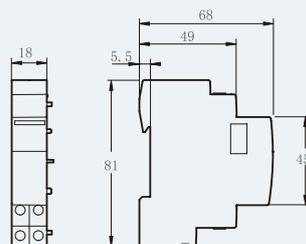
AOCT-25M手动操作接触器  
Manual Operation Modular Contactor



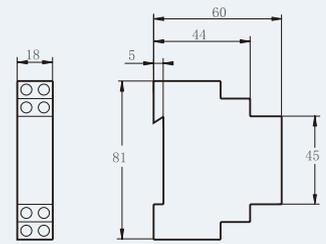
AOCT-40M/63M手动操作接触器  
Manual Operation Modular Contactor



AOCTs



WCT24



AOCTc

## 电动机起动保护断路器

### 产品概览 An overview of the product

产品型号 Products model	AOV2-ME	AOV2-PM	AOV3-ME
电流规格 Current specifications	0102,03,04,05,06,07,08,10,14,16,20,21,22,32		40,63,80

### 产品特点 Product characteristics

#### 适用范围与用途 Scope of application and purpose

- ◆ AOV2、AOV3系列电动机保护断路器（以下简称断路器）适用于交流50/60Hz，额定电压至690V，额定电流至80A的电路中，作为三相鼠笼异步电动机的过载、短路、断相保护及不频繁的起动控制之用，可用于配电线路保护和不频繁的负载转换，还可当隔离器使用；
- ◆ AOV2, AOV3 series motor protection circuit breaker ( the following refer to as circuit breaker) is suitable for AC 50/60HZ, rated voltage 690V, rated current 80A in circuit. Three-phase squirrel cage induction motor overload, short circuit, open phase protection and not frequent starting control purposes, can be used for power distribution line protection and not frequent load conversation, also can be used as an isolator.

#### 设计特点 Design features

- ◆ 电流整定值可调：使用时可根据实际工作电流调节到适当的电流整定值指示位置。
- ◆ 可模拟机构脱扣设计：通过TEST可使机构脱扣，方便模拟测试。
- ◆ 正面激光刻印：刻印标志内容清晰、耐久。
- ◆ Adjustable current setting value: it can be adjusted to the appropriate current value indicating position according to the actual working current.
- ◆ Can simulate mechanism trip design: through the TEST can make the mechanism trip, convenient simulation TEST.
- ◆ Front laser engraving: the engraving logo is clearing durable.

#### 结构特点 Structural features

- ◆ 双断点结构：触头双断点，抑制并分散电弧能量，提升灭弧效果、提高接通分断能力，降低触头电气损耗，有效提高了产品电气寿命
- ◆ 热磁综合保护结构：使产品具有过载、短路、三相不平衡多项保护功能
- ◆ Double new point structure: double break point of contact can suppress and disperse arc energy, improve the effort of eliminating isolated, improve the ability of connecting new points, reduce the electrical loss of melting head, and effectively improve the electrical life of the product.
- ◆ Thermal and magnetic comprehensive protection structure: the product has multiple protection functions of overload, short circuit and three-phase unbalanced.

#### 符合标准 Confirm to the standard

- ◆ GB/T 14048.1低压开关设备和控制设备 第1部分：总则
- ◆ GB/T 14048.2低压开关设备和控制设备 断路器
- ◆ GB/T 14048.4低压开关设备和控制设备 第4-1部分：接触器和电动机起动器 机电式接触器和电动机起动保护器（含电动机保护器）
- ◆ GB/T 14048.5 低压开关设备和控制设备 第5-1部分：控制电路电器和开关元件 机电式控制电路电器
- ◆ GB/T 14048.1 low-voltage switchgear and control equipment part 1 : general provisions
- ◆ GB/T 14048.2 low-voltage switchgear and control equipment circuit breakers
- ◆ GB/T 14048.4 low-voltage switchgear and control equipment part 4-1: contactors and motor starters, electromechanical contactors, and motor starter protectors (including motor protectors)
- ◆ GB/T 14048.5 low-voltage switchgear and control equipment part 5-1: control circuit appliances and switching elements, electromechanical control circuit appliances

# 电动机起动保护断路器

## 应用范围 Range of application

电气符号 Electrical symbols



适用环境 Applicable ambient

使用环境温度及存储温度 Use ambient and storage temperatures

- ◆ 使用环境温度：-30°C~+70°C，产品脱扣特性整定的基准温度为20±2°C。
- ◆ Ambient temperature: -30°C+70°C, the reference temperatures of tripping characteristic setting is 20±2°C.

海拔条件 Altitude conditions

- ◆ 安装地点的海拔高度≤3000m。
- ◆ Elevation of installation site greater than or equal to 3000m.

使用环境相对湿度/存储环境相对湿度  
Available ambient relative humidity/ store ambient relative humidity

- ◆ 大气相对湿度在周围空气温度为+40°C时不可超过50%，在较低的温度下可以允许有较高的相对湿度。例如：周围空气湿度为20°C时，相对湿度可达到90%。由于温度变化偶尔产品的凝露现象，用户应采取特殊的防护措施。
- ◆ Atmospheric relative humidity can't exceed 50% at ambient air temperature of +40°C, and the higher relative humidity may be allowed at lower temperatures. For example, when the ambient air degree is 20°C, the relative humidity can reach 90%. Because of the occasional condensation phenomenon of the product due to the temperature changes, the user should take special protective measures.

污染等级 Pollution level

- ◆ 3级 ◆ Level 3

防护等级 Protection grade

- ◆ IP20

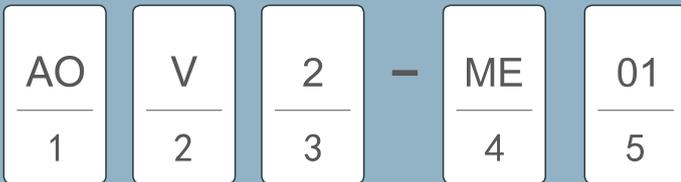
安装类别 Installation category

- ◆ III类（配电及控制水平级）
- ◆ III class (distribution and control level)

安装方向 Installation direction

- ◆ 产品可垂直安装或水平安装，采用TH35-7.5标准安装导轨安装。
- ◆ The product can be installed vertically or horizontally. Please use TH35-7.5 standard mounting guide to install.

## 型号规格说明 Model specification



序号 S/N	序号名称 S/N NAME	型号解释 Model Comment
1	企业代号 Enterprise code	<b>Aoasis</b> 中奥
2	产品代号 Product code	V: 电动机起动保护断路器 V: Motor starting protection circuit
3	设计序号 Design serial number	2、3
4	操作方式 Operating mode	ME: 按钮式 PM: 旋转手柄式 ME: Push button PM: Rotary handle
5	电流规格代号 Current specification code	01,02,03,04,05,06,07,08,10,14,16,20,21,22,32,40,63,80

## 电动机起动保护断路器

### 技术参数 Technical parameters

AOV2-ME&PM 50/60Hz, AC-3类 三相电动机标准额定功率 The three-phase motor standard rated power				热脱扣 设定范围 Setting range current of thermal overload release	磁脱扣 电流 Magnetic release current	带外壳时 Ithe电流 It he current with casing	型号 (按钮控制) Model ( the button control)	重量 Weight
230V KW	400V KW	415V KW	440V KW	A	Id±20% A	A		kg
-	-	-	-	0.1-0.16	1.5	0.16	AOV2-●●01	0.260
-	-	-	-	0.16-0.25	2.4	0.25	AOV2-●●02	0.260
-	-	-	-	0.25-0.4	5	0.40	AOV2-●●03	0.260
-	-	-	-	0.40-0.63	8	0.63	AOV2-●●04	0.260
-	-	-	0.37	0.63-1	13	1	AOV2-●●05	0.260
-	0.37	-	0.55	1-1.6	22.5	1.6	AOV2-●●06	0.260
0.37	0.75	0.75	1.1	1.6-2.5	33.5	2.5	AOV2-●●07	0.260
0.75	1.5	1.5	1.5	2.5-4	51	4	AOV2-●●08	0.260
1.1	2.2	2.2	3	4-6.3	78	6.3	AOV2-●●10	0.260
2.2	4	4	4	6-10	138	9	AOV2-●●14	0.260
3	5.5	5.5	7.5	9-14	170	13	AOV2-●●16	0.260
4	7.5	9	9	13-18	223	17	AOV2-●●20	0.260
5.5	11	11	11	17-23	327	21	AOV2-●●21	0.260
5.5	11	11	11	20-25	327	23	AOV2-●●22	0.260
7.5	15	15	15	24-32	416	24	AOV2-●●32	0.260

### 技术参数 Technical parameters

AOV2-ME&PM的分断能力 The breaking capacity of AOV2-ME & PM														
断路器型号	AOV2-ME&PM		01~06		07	08	10	14	16	20	21	22	32	
额定值 Rated value	A		01~1.6		2.5	4	6.3	10	14	18	23	25	32	
分断能力 符合GB/T14048.2标准 The breaking capacity meets GB/T140482 Standard	230/240V	Icu	kA	★	★	★	★	★	★	★	★	★	★	
		Isc%(1)		★	★	★	★	★	★	★	★	★	★	
	400/415V	Icu	kA	★	★	★	★	★	★	100	100	100	100	100
		Isc%(1)		★	★	★	★	★	★	50	50	40	40	40
	440V	Icu	kA	★	★	★	★	★	★	50	20	20	20	20
		Isc%(1)		★	★	★	★	★	★	75	75	75	75	75
500V	Icu	kA	★	★	★	★	★	★	50	42	10	10	10	
	Isc%(1)		★	★	★	★	★	★	100	100	75	75	75	
断路器型号 Circuit breaker model	AOV2-ME&PM		01~06		07	08	10	14	16	20	21	22	32	
额定电流 Rated current	A		01~1.6		2.5	4	6.3	10	14	18	23	25	32	
短路时的电缆热应力保护 最小保护截面积 1mm <sup>2</sup> Thermal stress protection of cable in short circuit Minimum protective wear area			●	●	●	●	≤10kA	≤6kA	(2)	(2)	(2)	(2)	(2)	
	(PVC 绝缘铜芯电缆) ( Insulated copper core cable)		1.5mm <sup>2</sup>	●	●	●	●	≤20kA	≤10kA	(2)	(2)	(2)	(2)	(2)
40 °C Isc值 Isc value			●	●	●	●	●	●	●	●	●	●	(2)	
			4~6mm <sup>2</sup>	●	●	●	●	●	●	●	●	●	●	

★ >100kA  
(1) 占Icu的百分比  
percentage of Icu

● 线缆截面有保护  
(2) 线缆截面无保护  
● The cable section is protected.  
(2) The cable section is unprotected.

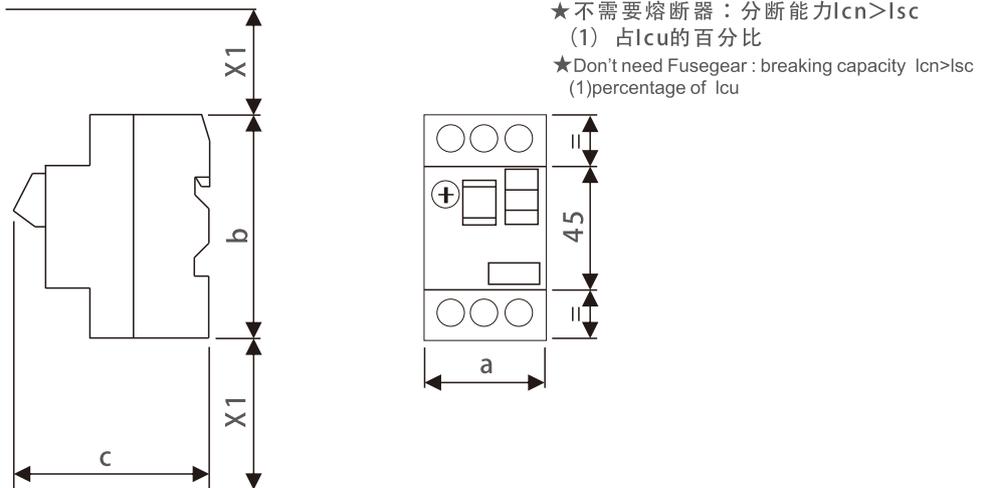
电动机启动保护断路器

技术参数 Technical parameters



AOV3-ME额定功率和分断能力 AOV3-ME rated power and breaking capacity					
断路器型号 Circuit breaker model		AOV3-ME40	AOV3-ME63	AOV3-ME80	
额定电流 Rated current	A	25-40A	40-63A	56-80A	
按钮控制 Press-button control 50/60Hz, AC-3类	230V (kW)	11	15	22	
	400V (kW)	18.5	30	40	
三相电动机标准额定功率 The three-phase motor standard rated power	415V (kW)	22	33	45	
	440V (kW)	22	33	45	
分断能力符合 IEC60947-2标准 The breaking capacity meets IEC60947-2 Standard	230/240V	Icu (kA)	100		
		Ics% (1)	100		
	400/415V	Icu (kA)	15		
		Ics% (1)	50		
	440V	Icu (kA)	10		
		Ics% (1)	60		
	500V	Icu (kA)	4		
		Ics% (1)	100		
	690V	Icu (kA)	2		
		Ics% (1)	100		
	如果分段能力 I <sub>sc</sub> >I <sub>cu</sub> 可采用相应的熔断器 (如果需要) If the breaking capacity I <sub>sc</sub> is greater than I <sub>cu</sub> , the corresponding fuse can be used. (if needed)	230/240V	aM A	★	
			gG A	★	
400/415V		aM A	315		
		gG A	400		
440V		aM A	315		
		gG A	400		
500V		aM A	200		
		gG A	250		
690V		aM A	200		
		gG A	250		

外形尺寸图  
Outline dimensional diagram



	a	b	c
AOV2-ME&PM ●●	44.5	89	ME:78 , PM:90
AOV3-ME ●●	61.2	121	114

(1) X1为电气间隙=40mm, 适用于Ue≤690V

(1)X1 is electrical clearance = 40mm, applicable to Ue<690v