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Aoasis

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低压终端产品

Low-voltage terminal products



Aoasis

浙江中奥电气有限公司
ZHEJIANG ZHONGAO ELECTRIC CO.,LTD.



绿色智造 共创未来

Green and intelligent production, create the future together.



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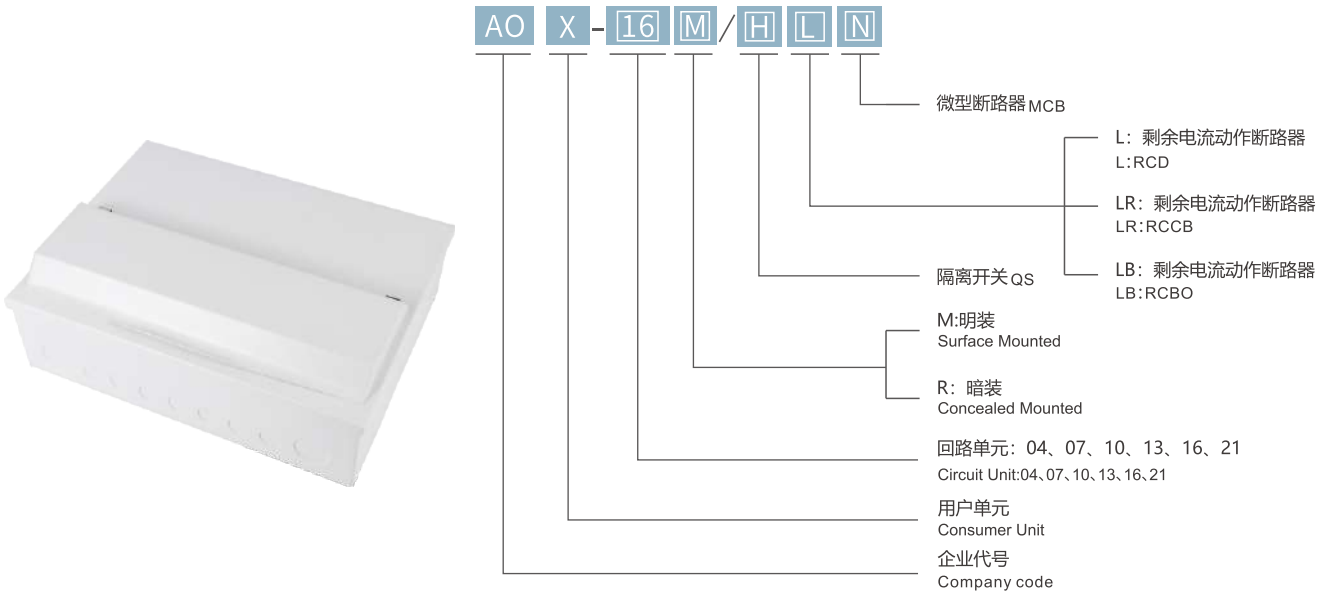
AOX系列用户单元

概述 Overview

AOX系列用户单元，适用于住宅、公寓、别墅、酒店、商业楼等场所。与中奥电气的模数化低压配电产品配套使用，为开发商、工厂和终端用户提供一个安全、稳定、完整的户内低压终端配电解决方案。

AOX Series Consumer Unit is suitable for residences, apartments, villas, hotels, commercial buildings and other places. Used in conjunction with Aoasis modular low-voltage power distribution products, it provides real estate developers, electrical switchgear manufacturers, and end users with a safe, stable and complete indoor low-voltage terminal power distribution solution.

产品选型 Product Selection



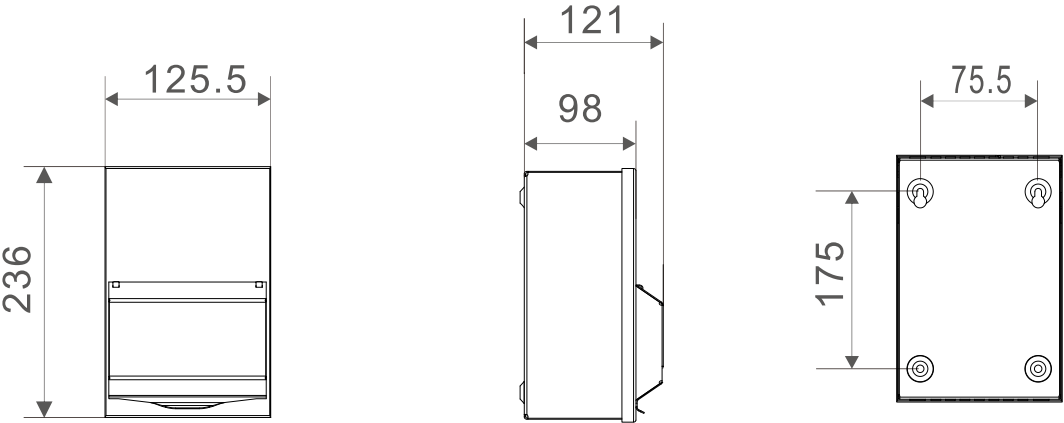
主要参数 Main Parameter

额定工作电压 Rated Working Voltage	220~400VAC
最大额定工作电流 Max. Rated Working Current	100A
箱体颜色 Case Colour	乳白色: RAL9010 Ivory: RAL9010
箱体特点 Housing characteristics	采用优质冷轧钢板制造和静电喷塑处理,具有极好的耐腐蚀性。 Made of high quality cold-rolled steel plate and treated with electrostatic spray, it has excellent corrosion resistance.. 独立接地,保障更安全的接地连贯性,防止电气火灾事故。 Independent grounding, ensure more safe and reliable grounding continuity, prevent electrical fire accidents.
安装及布线 Installation and Wiring	箱体进出线端和箱底有敲落孔,便于安装。 There are knockout holes at the inlet and outlet ends of the box body and the bottom of the box for easy installation. 箱体内有足够的安装空间,满足用户布线需求。 There is enough installation space in the box body to meet the needs of user wiring.
符合标准 Standard	BS 7671、GB/T 17466.1、GB/T 17466.24
防护等级 Protection Grade	IP30

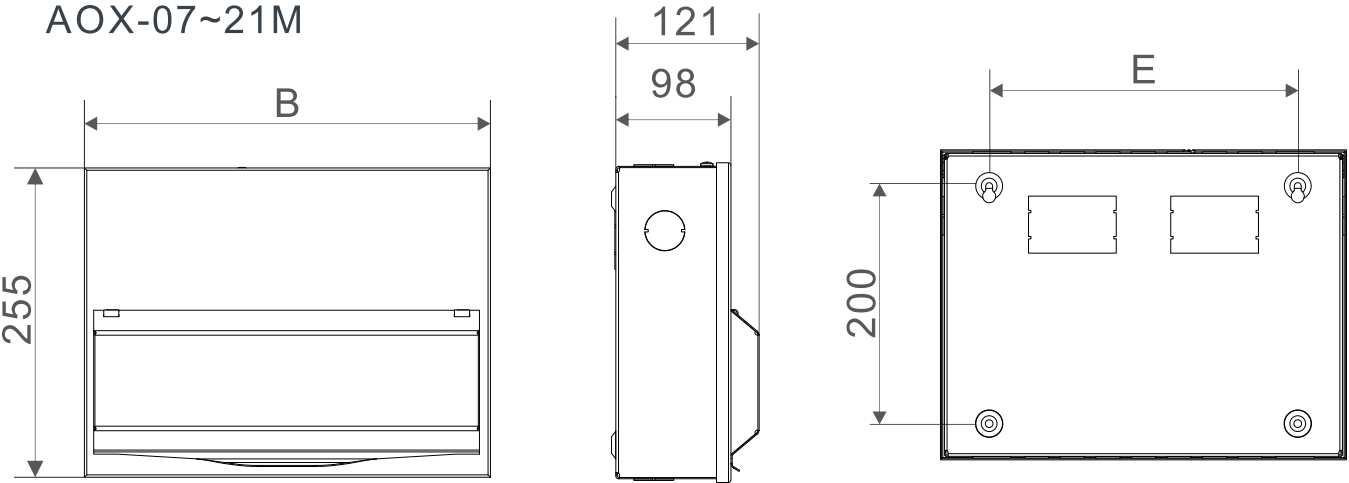
安装尺寸示意图

外形及安装尺寸 Outline Overall and Installation Dimensions

AOX-04M

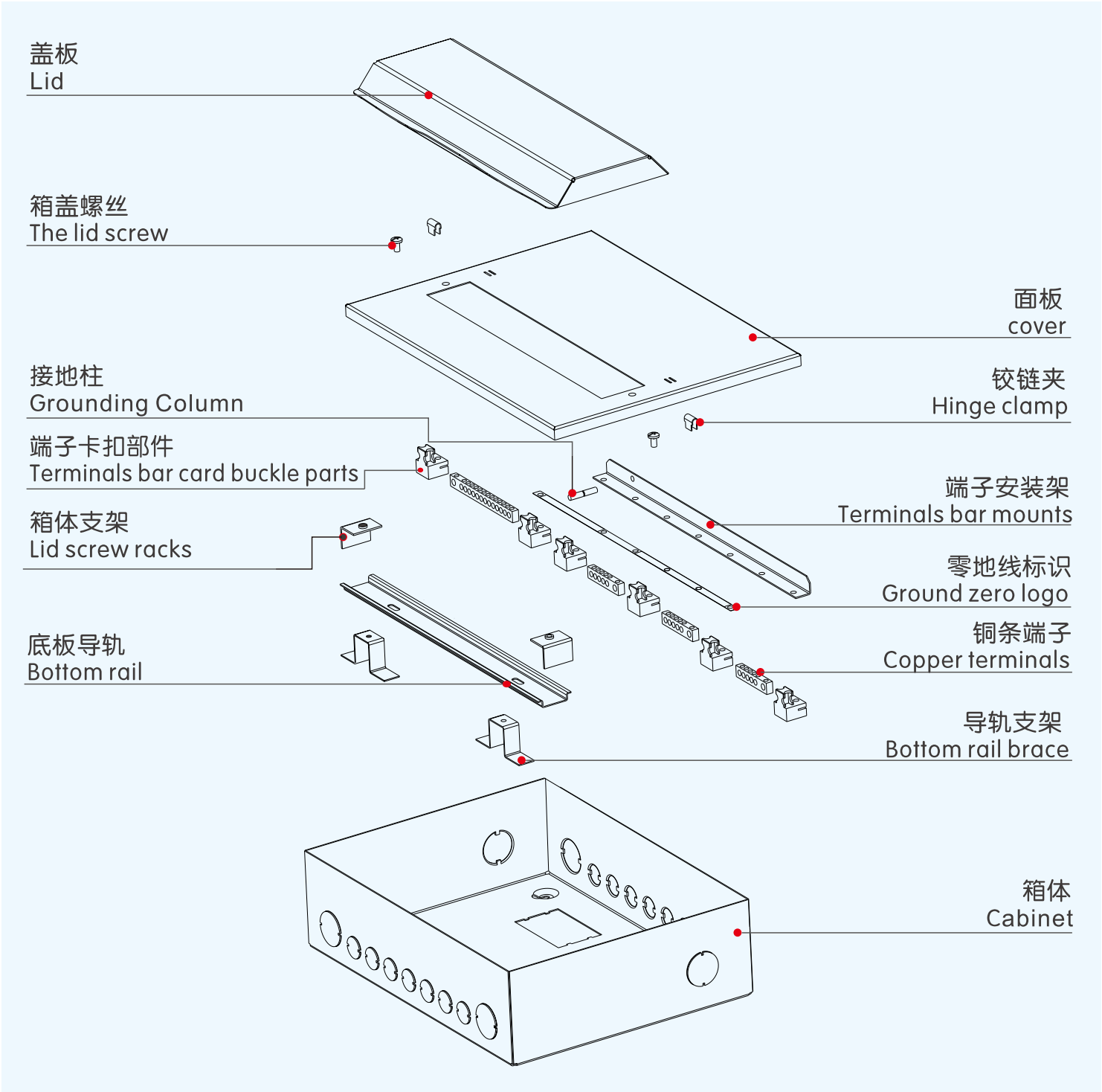


AOX-07~21M



产品型号 Product model	回路单元 Circuit Unit	宽度(B) width	安装尺寸(E) Mounting dimension
AOX-07M	07	188	138
AOX-10M	10	241	160
AOX-13M	13	292	210
AOX-16M	16	343	260.4
AOX-21M	21	438	356

产品分解图The Product Diagram



附件Accessories

附件名称 Accessories name	分流排 Bypass line	导线 Wire	标贴 Label	空白回路挡板 Blank loop baffle
附件图片 Accessories picture				

产品配置表



Qs为主开关用户单元

Qs is given priority to switch the consumer units

产品型号 product model	主开关配置 Main switch configuration		可用回路单元 Available loop element
	隔离开关 Isolating switch	数量 Quantity	
AOX-04M/H	AOH-125 63A	1	2
AOX-07M/H	AOH-125 100A	1	5
AOX-10M/H	AOH-125 100A	1	8
AOX-13M/H	AOH-125 100A	1	11
AOX-16M/H	AOH-125 100A	1	14
AOX-21M/H	AOH-125 100A	1	19

可选配置的线路保护产品

Optional matching circuit protection products

产品名称 Product name	产品型号 product model	电流规格 Current specification
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、 80A、100A、125A
剩余电流动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、 25A、32A、40A、50A、63A
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} 65kA Max Discharge Current 最大允许后备保险丝强度 125 A gL Max. Permissible Strength of Backup Fuse



RCD为主开关的用户单元

RCD is given priority to switch the consumer units

产品型号 product model	主开关配置 Main switch configuration		可用回路单元 Available loop element
	剩余电流动作断路器 Residual Current Protective Device	数量 Quantity	
AOX-04M/L	AOL-100 40A 30mA	1	2
AOX-07M/L	AOL-100 80A 30mA	1	5
AOX-10M/L	AOL-100 80A 30mA	1	8
AOX-13M/L	AOL-100 80A 30mA	1	11
AOX-16M/L	AOL-100 80A 30mA	1	14
AOX-21M/L	AOL-100 80A 30mA	1	19

可选配置的线路保护产品

Optional matching circuit protection products

产品名称 Product name	产品型号 product model	电流规格 Current specification
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、 80A、100A、125A
剩余电流动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、 25A、32A、40A、50A、63A
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} 65kA Max Discharge Current 最大允许后备保险丝强度 125 A gL Max. Permissible Strength of Backup Fuse

产品配置表



QS为主开关和RCD分割负载用户单元
QS is given priority to switch and RCD division unit load consumer

产品型号 product model	主开关配置 Main switch configuration				可用回路 单元 Available loop element
	隔离开关 Isolating switch	数量 Quantity	剩余电流动作断路器 Residual Current Protective Device	数量 Quantity	
AOX-07M/HL	AOH-125 100A	1	AOL-100 80A 30mA	1	3
AOX-10M/HL	AOH-125 100A	1	AOL-100 80A 30mA	1	6
AOX-13M/HL	AOH-125 100A	1	AOL-100 80A 30mA	1	9
AOX-16M/HL	AOH-125 100A	1	AOL-100 80A 30mA	1	12
AOX-21M/HL	AOH-125 100A	1	AOL-100 80A 30mA	1	17

可选配置的线路保护产品
Optional matching circuit protection products

产品名称 Product name	产品型号 Product model	电流规格 Current specification	
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、 80A、100A、125A	
剩余电流动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A	
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、 25A、32A、40A、50A、63A	
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} Max Discharge Current 最大允许后备保险丝强度 Max. Permissible Strength of Backup Fuse	65kA 125 A gL



QS为主开关和RCD分割2负载用户单元
QS is given priority to switch and RCD division 2 load consumer units

产品型号 product model	主开关配置 Main switch configuration				可用回路 单元 Available loop element
	隔离开关 Isolating switch	数量 Quantity	剩余电流动作断路器 Residual Current Protective Device	数量 Quantity	
AOX-10M/HL2	AOH-125 100A	1	AOL-100 80A 30mA	2	4
AOX-13M/HL2	AOH-125 100A	1	AOL-100 80A 30mA	2	7
AOX-16M/HL2	AOH-125 100A	1	AOL-100 80A 30mA	2	10
AOX-21M/HL2	AOH-125 100A	1	AOL-100 80A 30mA	2	15

可选配置的线路保护产品
Optional matching circuit protection products

产品名称 Product name	产品型号 Product model	电流规格 Current specification	
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、 80A、100A、125A	
剩余电流动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A	
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、 25A、32A、40A、50A、63A	
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} Max Discharge Current 最大允许后备保险丝强度 Max. Permissible Strength of Backup Fuse	65kA 125 A gL

产品配置表



2个RCD为主开关的用户单元

2 RCD is given priority to switch the consumer units

产品型号 product model	主开关配置 Main switch configuration		可用回路单元 Available loop element
	剩余电流动作断路器 Residual Current Protective Device	数量 Quantity	
AOX-07M/L2	AOL-100 100A 30mA	2	3
AOX-10M/L2	AOL-100 100A 30mA	2	6
AOX-13M/L2	AOL-100 100A 30mA	2	9
AOX-16M/L2	AOL-100 100A 30mA	2	12
AOX-21M/L2	AOL-100 100A 30mA	2	17

可选配置的线路保护产品

Optional matching circuit protection products

产品名称 Product name	产品型号 Product model	电流规格 Current specification
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、80A、100A、125A
剩余电流动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、25A、32A、40A、50A、63A
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} 65kA 最大允许后备保险丝强度 Max. Permissible Strength of Backup Fuse 125 A gL



2个QS为主开关的用户单元

2 QS is given priority to switch the consumer units

产品型号 product model	主开关配置 Main switch configuration		可用回路单元 Available loop element
	隔离开关 Isolating switch	数量 Quantity	
AOX-07M/H2	AOH-125 100A	2	3
AOX-10M/H2	AOH-125 100A	2	6
AOX-13M/H2	AOH-125 100A	2	9
AOX-16M/H2	AOH-125 100A	2	12
AOX-21M/H2	AOH-125 100A	2	17

可选配置的线路保护产品

Optional matching circuit protection products

产品名称 Product name	产品型号 Product model	电流规格 Current specification
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、80A、100A、125A
剩余电流动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、25A、32A、40A、50A、63A
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} 65kA 最大允许后备保险丝强度 Max. Permissible Strength of Backup Fuse 125 A gL

产品配置表



QS为主开关和RCBO分割负载的高性能用户单元
 QS master switch and RCBO split load High Integrity Consumer Unit

产品型号 product model	主开关配置 Main switch configuration				可用回路单元 Available loop element
	隔离开关 Isolating switch	数量 Quantity	剩余电流动作断路器 Residual Current Circuit Breaker with Overcurrent Protection	数量 Quantity	
AOX-04M/HLB	AOH-125 63A	1	AOLB-32 20A 30mA	1	1
AOX-07M/HLB	AOH-125 80A	1	AOLB-32 25A 30mA	1	4
AOX-10M/HLB	AOH-125 100A	1	AOLB-32 32A 30mA	1	7
AOX-13M/HLB	AOH-125 100A	1	AOLB-32 32A 30mA	1	10
AOX-16M/HLB	AOH-125 100A	1	AOLB-32 32A 30mA	1	13
AOX-21M/HLB	AOH-125 100A	1	AOLB-32 32A 30mA	1	18

可选配置的线路保护产品
 Optional matching circuit protection products

产品名称 Product name	产品型号 product model	电流规格 Current specification
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、80A、100A、125A
剩余电流动作断路器 (RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A
微型断路器 (MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、25A、32A、40A、50A、63A
电涌保护器 (SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} 65kA 最大允许后备保险丝强度 125 A gL
剩余电流动作断路器(RCCB) Residual Current Circuit Breaker	AOLR-80	16A、20A、25A、32A、40A、63A、80A
剩余电流动作断路器(RCBO) Residual Current Circuit Breaker with Overcurrent Protection	AOLB-32	6A、10A、16A、20A、25A、32A

产品配置表



QS为主开关和RCD分割负载及MCB用户单元
QS main switch and RCD split load and MCB user unit

产品型号 product model	主开关配置 Main switch configuration						可用回路单元 Available loop element
	隔离开关 Isolating switch	数量 Quantity	剩余电流动作断路器 Residual Current Protective Device	数量 Quantity	微型断路器 Mini Circuit Breaker	数量 Quantity	
AOX-07M/HLN	AOH-125 80A	1	AOL-100 63A 30mA	1	AON-63 25A	1	2
AOX-10M/HLN	AOH-125 100A	1	AOL-100 80A 30mA	1	AON-63 32A	1	5
AOX-13M/HLN	AOH-125 100A	1	AOL-100 80A 30mA	1	AON-63 32A	1	8
AOX-16M/HLN	AOH-125 100A	1	AOL-100 80A 30mA	1	AON-63 32A	1	11
AOX-21M/HLN	AOH-125 100A	1	AOL-100 80A 30mA	1	AON-63 32A	1	16

可选配置的线路保护产品
Optional matching circuit protection products

产品名称 Product name	产品型号 product model	电流规格 Current specification
隔离开关(QS) Isolating switch	AOH-125	25A、40A、63A、80A、100A、125A
剩余电流 动作断路器(RCD) Residual Current Protective Device	AOL-100	40A、63A、80A、100A
微型断路器(MCB) Mini Circuit Breaker	AON-63	2A、4A、6A、10A、16A、20A、 25A、32A、40A、50A、63A
电涌保护器(SPD) Surge Protection Device	AOU-65	最大放电电流 I _{max} 65kA Max Discharge Current 最大允许后备保险丝强度 Max. Permissible Strength of Backup Fuse 125 A gL
剩余电流 动作断路器(RCCB) Residual Current Circuit Breaker	AOLR-80	16A、20A、25A、32A、40A、63A、80A
剩余电流 动作断路器(RCBO) Residual Current Circuit Breaker with Overcurrent Protection	AOLB-32	6A、10A、16A、20A、25A、32A

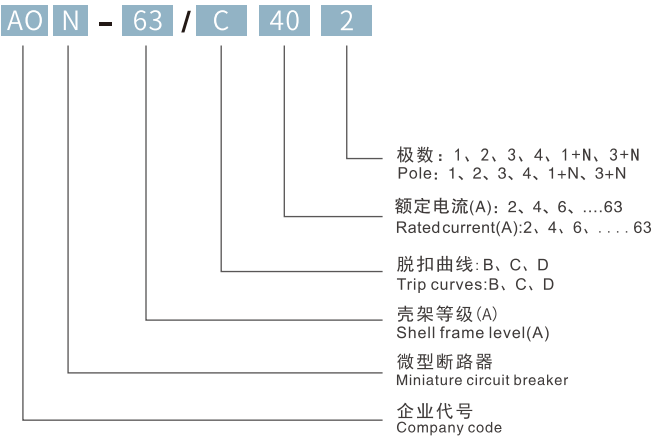
AON微型断路器

产品概述 Overview

AON系列微型断路器适用于交流50/60Hz，额定电压230V/400V，额定电流至63A的线路中，作过载和短路保护之用，正常情况下作为线路的不频繁操作转换之用，也可作为断开线路进行线路及设备维修的隔离开关使用。断路器适用于商业、高层和民用住宅等各种场所。

AON series miniature circuit breakers are suitable for AC 50/60Hz, rated voltage 230V/400V, rated current up to 63A circuit, used for overload and short circuit protection, under normal circumstances as the line infrequent operation conversion, can also be used as disconnecting line for line and equipment maintenance. Circuit breaker is suitable for commercial, high-rise and residential buildings and other places.

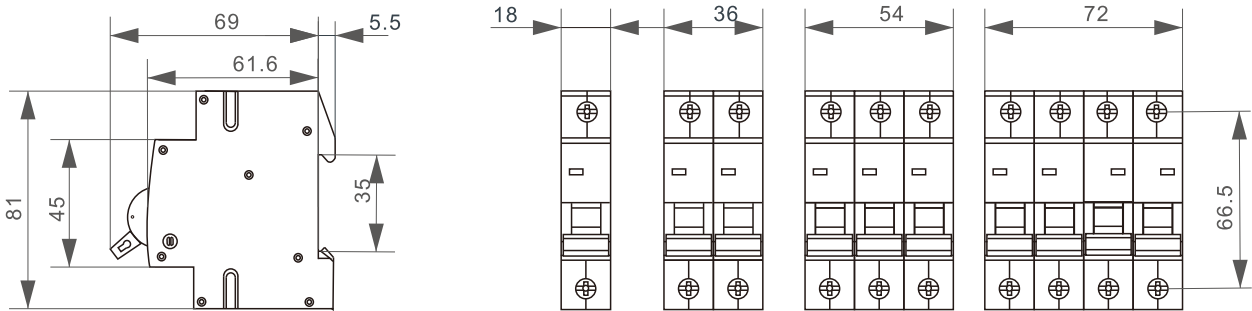
产品选型 Product Selection



主要特性 Main Characteristic

符合标准 Standard	IEC60898-1 GB10963.1
额定工作电压 (V) Rated working voltage (V)	AC230(1P)、AC230/400
分断能力 (kA) Short-circuit breaking capacity (kA)	4.5kA
脱扣曲线 Trip curve	B(3In~5In) C(5In~10In) D(10In~14In)
额定电流 (A) Rated current (A)	2、4、6、10、16、20、25、32、40、50、63
极数 Pole	1、2、3、4、1+N、3+N
额定频率 (Hz) Rated frequency (Hz)	50/60

外形及安装尺寸 Outline Overall and Installation Dimensions



AON微型断路器



技术数据一览表 Technical Parameter

产品型号 Type	AON-63
符合标准 Standard	IEC60898-1 GB10963.1
产品功能 Functions	短路保护 过载保护 隔离功能 Short-circuit protection Overload protection Isolation function
壳架等级 (A) Frame current(A)	Inm 63
极数 Pole	1、2、3、4、1+N、3+N
额定电流 (A) Rated current(A)	2、4、6、10、16、20、25、32、40、50、63
额定电压 (V) Rated voltage(V)	Ue AC230(1P)、AC230/400
额定绝缘电压 (V) Rated insulated voltage(V)	Ui AC500
额定冲击耐受电压 (kV) Rated impulse withstand voltage(kV)	Uimp 4
额定剩余工作电流 (mA) Rated residual working current(mA)	-
剩余电流特性 Residual current characteristics	-
额定短路分断能力 Rated short-circuit breaking capacity	Icn 4.5kA
额定极限短路分断能力 Rated ultimate short-circuit breaking capacity	Icu 4.5kA
额定运行短路分断能力 Rated operating short-circuit breaking capacity	Ics 4.5kA
脱扣曲线 Trip curve	B(3In~5In) C(5In~10In) D(10In~14In)
脱扣形式 Release Form	热磁脱扣 Thermomagnetic release
电气寿命 (次) Electrical life	10000
机械寿命 (次) Mechanical life	20000
污染等级 Pollution grade	2
防护等级 Protection level	IP20
环境温度 Temperature	-35℃ ~ +70℃
安装海拔高度 Altitude	不超过2000m Do not exceed 2000m
接线端子 Wiring terminal	螺钉压接 Screw crimping
最大接线能力 (mm ²) Max. connection capacity (mm ²)	25
最大极限扭矩 (Nm) Max. ultimate torque (Nm)	2.5
安装类别 Installation category	II、III
安装方式 Installation method	TH35-7.5型标准导轨 TH37-7.5 type DIN rail
接线方式 Incoming wiring method	上下均可 Can be installed up or down

剩余电流动作断路器

产品概述 Overview

剩余电流动作保护器是一种电流保护装置，它将在出现一个接地电流时脱扣。它们一直计算单相或三相系统电流的矢量和，如果矢量和为零，则正常供电；如果矢量和达到或超过预设值（根据装置的灵敏性），它能自动断开电路。

The residual current operated protector is a current protection device. It will release when there is a ground current. It always calculate the vector sum of single-phase or three-phase system currents. If the vector sum is zero, power will be supplied normally. If the vector sum reaches or exceeds the preset value, it will automatically disconnect the circuit.

剩余电流动作断路器是装配为一体的保护元件，能提供接地故障电流防护和过载及短路故障保护。

The residual current operated protector is a current protection device. It will release when there is a ground current. It always calculate the vector sum of single-phase or three-phase system currents. If the vector sum is zero, power will be supplied normally. If the vector sum reaches or exceeds the preset value, it will automatically disconnect the circuit.

- 对直接接触而产生的电击提供保护
Provide protection against electric shock caused by direct contact.
- 对间接接触而产生的电击提供保护
Provide protection against electric shock cause by indirect contact.
- 对由于漏电而发生的火灾提供保护
Provide protection for fire caused by leakage.

以下表格提供以下的建议；

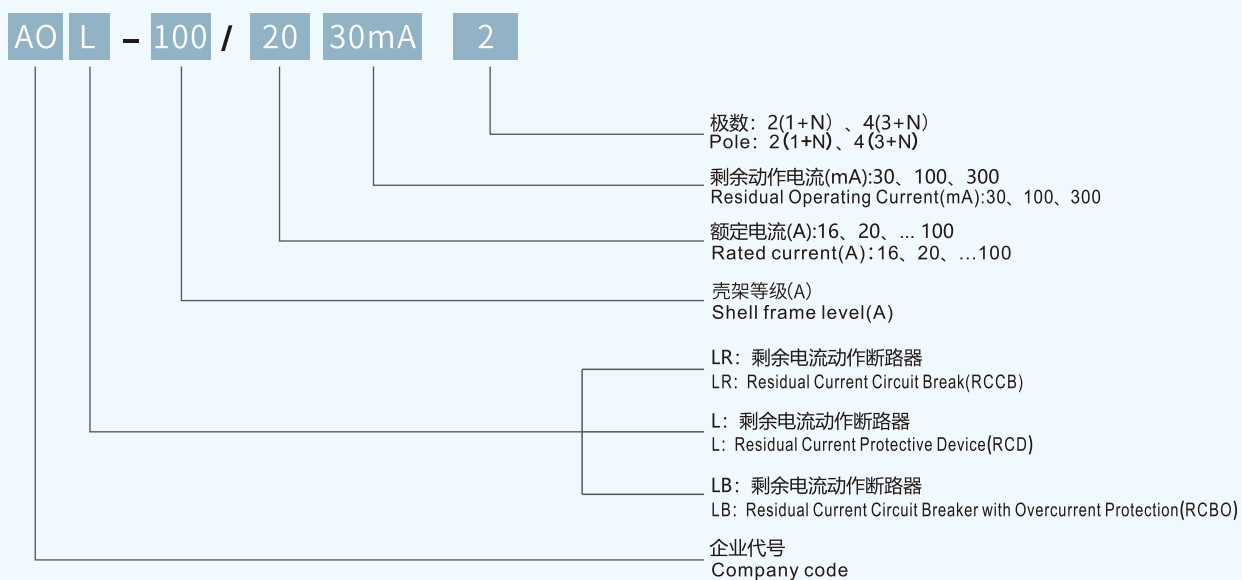
Suggestions are list on the following table:

- 根据不同种类的漏电风险而必须考虑采用剩余电流动作保护的电气回路
According to different types of leakage risks, electrical circuits with residual current action protection must be considered.
- 根据不同应用场合而应该选用的剩余电流动作保护装置及灵敏度
The residual current action protection device and sensitivity that should be selected according to different applications.

保护类型 Protection type	采用标准 Must be used	推荐采用 Recommended	灵敏度(1n) Sensitivity		
	IEC 60364 , GB 16895		30 mA (*)	100 mA-300 mA (取决于接地系统) Depends on grounding system	300 mA (或500 mA) 300mA(or 500mA)
对直接接触而产生的电击提供保护 Provide protection against electric shock caused by direct contact					
	依据国家相关标准的规定 According to relevant national standards	●电源插座 Power outlet ●浴缸、淋浴、池塘或游泳池周边的电器 Electric appliances around bathtubs, showers, ponds or swimming pools ●便携式户外用电器 Portable outdoor electrical appliances ●展会照明 Exhibition lighting ●室外照明 Outdoor lighting	●室内照明 Indoor lighting	安装在终端配电箱内 Installed in the terminal distribution box ●剩余电流动作保护附件 The residual current operated protection accessory provides protection for a circuit. ●剩余电流动作保护断路器对一组回路提供保护 The residual current operated protection circuit breaker provides protection for a group of circuits.	—
对间接接触而产生的电击提供保护 Provide protection against electric shock caused by indirect contact					
	依据国家相关标准的规定 According to relevant national standards	除以下装置外的整个配电系统: The entire power distribution system except for the following devices: ●绝缘等级: Class II Insulation class: Class II ●在安全特低压下工作(ClassIII) Working under safety extra-low voltage (ClassIII)	—	●剩余电流动作保护断路器/装置安装在进线端安装在副配电箱或主配电箱内 The residual current operated protection device is installed at the inlet end, and installed in the auxiliary distribution box or the main distribution box. ●剩余电流动作保护装置对通往高危区域的每一个回路提供保护 The residual current operated protection device provides protection for each circuit leading to the high-risk area. ●剩余电流动作保护断路器对一组回路提供保护 The residual current operated protection circuit breaker provides protection for a group of circuits.	—
对由于漏电而发生的火灾提供保护 Provide protection for fire caused by leakage					
	依据国家相关标准的规定 According to relevant national standards	●高风险场所 High-risk locations ●爆炸 (BE3) Explosion (BE3) ●火灾 (BE2) Fire (BE2) ●农业和园艺建筑 Agricultural and horticultural buildings ●展会设备 Exhibition equipment ●临时户外娱乐设施 Temporary outdoor recreational facilities 根据上述国际标准进行修改 Modify according to the above international standards	●破旧建筑物或电气装置 Dilapidated buildings or electrical installations ●潮湿环境: 农业建筑物、公共泳池 Humid environment: agricultural buildings, public swimming pools ●有化学药剂存在 Presence of chemicals	—	●剩余电流动作保护断路器/装置安装在进线端安装在副配电箱或主配电箱内 The residual current operated protection device is installed at the inlet end, and installed in the auxiliary distribution box or the main distribution box. ●剩余电流动作保护装置对通往高危区域的每一个回路提供保护 The residual current operated protection device provides protection for each circuit leading to the high-risk area. ●剩余电流动作保护断路器对一组回路提供保护 The residual current operated protection circuit breaker provides protection for a group of circuits.

剩余电流动作断路器

产品选型 Product Selection



AOL剩余电流动作断路器

产品概述 Overview

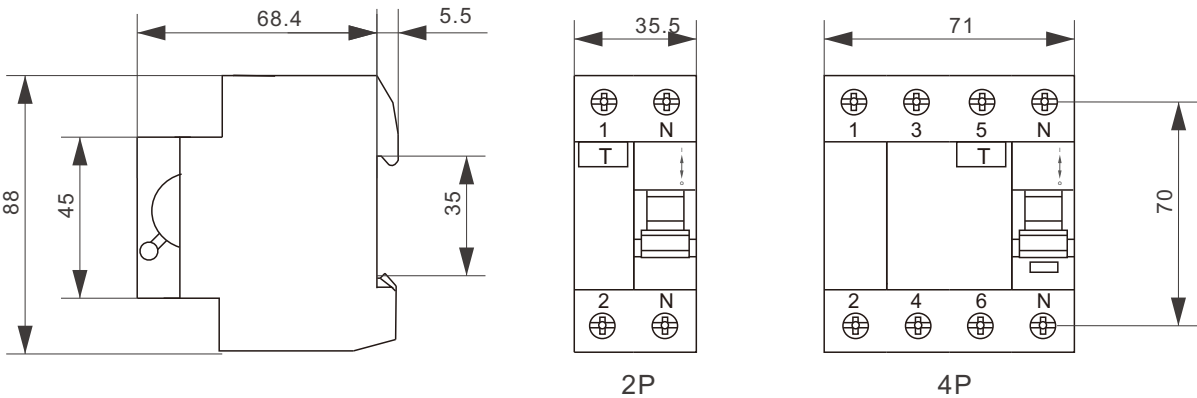
AOL系列剩余电流动作断路器使用于工业、民用建筑、能源、通信及基础建设等领域低压终端配电系统，具有漏电保护、隔离功能，对间接接触提供人身保护，对直接接触提供补充人身保护，对电气设备的绝缘故障提供保护。

AOL series residual current action circuit breakers are used for low voltage applications in industrial, civil construction, energy, communications and infrastructure industries terminal power distribution system, with circuit break, overload, leakage protection, isolation function, to provide personal protection for indirect contact, straightContact provides additional personal protection and protection against insulation failure of electrical equipment.

主要特性 Main Characteristic

符合标准 Standard	IEC61009-1, GB16917.1 IEC61008-1 GB16916.1
额定工作电压 (V) Rated working voltage (V)	AC230(1P) ,AC230/400P
分断能力 (kA) Short - circuit breaking capacity (kA)	6kA
脱扣曲线 Trip curve	—
额定电流 (A) Rated current (A)	40 63 80 100
极数 Pole	2(1+N)、4(3+N)
额定频率 (Hz) Rated frequency (Hz)	50/60
额定剩余动作电流 (mA) Rated Residual Operating Current (mA)	30、100、300

外形及安装尺寸 Outline Overall and Installation Dimensions



AOL剩余电流动作断路器



技术数据一览表 Technical Parameter

产品型号 Type	AOL-100	
符合标准 Standard	IEC61009-1, GB16917.1 IEC61008-1 GB16916.1	
产品功能 Functions	漏电保护功能 Leakage Protection	隔离功能 Isolation function
壳架等级电流 (A) Frame current(A) Inm	100	
极数 Pole	2(1+N)、4(3+N)	
额定电流 (A) Rated current(A)	40、63、80、100	
额定电压 (V) Rated voltage(V) Ue	AC230(1P) ,AC230/400	
额定绝缘电压 (V) Rated insulated voltage(V) Ui	500	
额定冲击耐受电压 (kV) Uimp Rated impulse withstand voltage(kV)	4	
额定剩余工作电流 (mA) Rated residual working current(mA)	30、100、300	
剩余电流特性选择 Residual current characteristics	A型、AC型	
额定短路分断能力 Icn Rated short-circuit breaking capacity	6kA	
额定极限短路分断能力 Icu Rated ultimate short-circuit breaking capacity	6kA	
额定运行短路分断能力 Ics Rated operating short-circuit breaking capacity	6kA	
额定剩余电流时最大分断时间 Max. breaking capacity at rated residual current	0.1s	
脱扣曲线 Trip curve	—	
脱扣形式 Release Form	电磁脱扣 Thermomagnetic release	
电气寿命 Electrical life	10000	
机械寿命 Mechanical life	20000	
污染等级 Pollution grade	2	
防护等级 Protection level	IP20	
环境温度 Temperature	-35℃ ~ +70℃	
安装海拔高度 Altitude	不超过2000m Do not exceed 2000m	
接线端子 Wiring terminal	螺钉压接 Screw crimping	
最大接线能力 (mm ²) Max. connection capacity (mm ²)	25	
最大极限扭矩 (Nm) Max. ultimate torque (Nm)	2.5	
安装类别 Installation category	II、III	
安装方式 Installation method	TH35-7.5型标准导轨 TH37-7.5 type DIN rail	
接线方式 Incoming wiring method	上进线 Install the wire at the top	

AOLR剩余电流动作断路器

产品概述 Overview

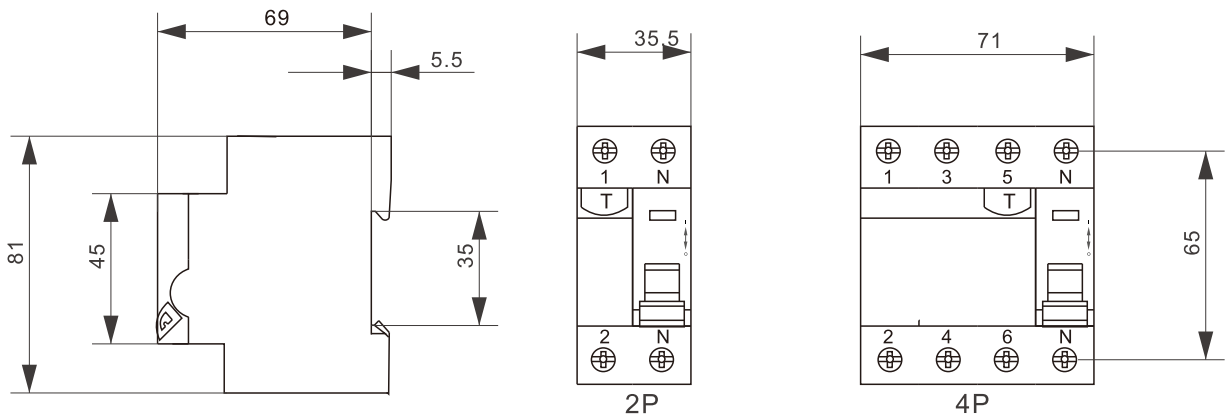
AOLR系列剩余电流动作断路器使用于工业、民用建筑、能源、通信及基础建设等领域低压终端配电系统，具有短路、漏电保护、隔离功能，对间接接触提供人身保护，对直接接触提供补充人身保护，对电气设备的绝缘故障提供保护。

AOLR series residual current action circuit breakers are used for low voltage applications in industrial, civil construction, energy, communications and infrastructure industries terminal power distribution system, with circuit break, overload, leakage protection, isolation function, to provide personal protection for indirect contact, straightContact provides additional personal protection and protection against insulation failure of electrical equipment.

主要特性 Main Characteristic

符合标准 Standard	IEC61009-1, GB16917.1 IEC61008-1 GB16916.1
额定工作电压 (V) Rated working voltage (V)	AC230(1P), AC230/400
分断能力 (kA) Short-circuit breaking capacity (kA)	6kA
脱扣曲线 Trip curve	—
额定电流 (A) Rated current (A)	16、20、25、32、40、63、80
极数 Pole	2(1+N)、4(3+N)
额定频率 (Hz) Rated frequency (Hz)	50/60
额定剩余动作电流 (mA) Rated Residual Operating Current (mA)	30、100、300

外形及安装尺寸 Outline Overall and Installation Dimensions



AOLR剩余电流动作断路器



技术数据一览表 Technical Parameter

产品型号 Type	AOLR-80
符合标准 Standard	IEC61009-1, GB16917.1 IEC61008-1 GB16916.1
具备功能 Functions	漏电保护功能 短路保护功能 隔离功能 Leakage Protection Short circuit protection function Isolation function
壳架等级电流 (A) Frame current(A)	Inm 100
极数 Pole	2(1+N)、4(3+N)
额定电流 (A) Rated current(A)	16、20、25、32、40、63、80
额定电压 (V) Rated voltage(V)	Ue AC230(1P), AC230/400
额定绝缘电压 (V) Rated insulated voltage(V)	Ui 500
额定冲击耐受电压 (kV) Rated impulse withstand voltage(kV)	Uimp 4
额定剩余工作电流 (mA) Rated residual working current(mA)	30、100、300
剩余电流特性选择 Residual current characteristics	A型、AC型
额定短路分断能力 Rated short-circuit breaking capacity	Icn 6kA
额定极限短路分断能力 Rated ultimate short-circuit breaking capacity	Icu 6kA
额定运行短路分断能力 Rated operating short-circuit breaking capacity	Ics 6kA
额定剩余电流时最大分断时间 Max. breaking capacity at rated residual current	0.1s
脱扣曲线 Trip curve	—
脱扣形式 Release Form	电磁脱扣 Thermomagnetic release
电气寿命 Electrical life	10000
机械寿命 Mechanical life	20000
污染等级 Pollution grade	2
防护等级 Protection level	IP20
环境温度 Temperature	-35°C ~ +70°C
安装海拔高度 Altitude	不超过2000m Do not exceed 2000m
接线端子 Wiring terminal	螺钉压接 Screw crimping
最大接线能力 (mm ²) Max. connection capacity (mm ²)	25
最大极限扭矩 (Nm) Max. ultimate torque (Nm)	2.5
安装类别 Installation category	II、III
安装方式 Installation method	TH35-7.5型标准导轨 TH37-7.5 type DIN rail
接线方式 Incoming wiring method	上进线 Install the wire at the top

AOLB剩余电流动作断路器

产品概述 Overview

AOLB系列剩余电流动作断路器使用于工业、民用建筑、能源、通信及基础建设等领域低压终端配电系统，具有短路、过载、漏电保护、隔离功能，对间接接触提供人身保护，对直接接触提供补充人身保护，对电气设备的绝缘故障提供保护。

AOLB series residual current action circuit breakers are used for low voltage applications in industrial, civil construction, energy, communications and infrastructure industries terminal power distribution system, with circuit break, overload, leakage protection, isolation function, to provide personal protection for indirect contact, straight Contact provides additional personal protection and protection against insulation failure of electrical equipment.

主要特性 Main Characteristic

符合标准 Standard	IEC61009-1, GB16917.1
额定工作电压 (V) Rated working voltage (V)	AC230
分断能力 (kA) Short-circuit breaking capacity (kA)	6kA
脱扣曲线 Trip curve	B C D
额定电流 (A) Rated current (A)	6、10、16、20、25、32
极数 Pole	1+N(18mm)
额定频率 (Hz) Rated frequency (Hz)	50/60
额定剩余动作电流 (mA) Rated Residual Operating Current (mA)	30、100、300

外形及安装尺寸 Outline Overall and Installation Dimensions

AOLB剩余电流动作断路器

技术数据一览表 Technical Parameter



产品型号 Type	AOLB-32	
符合标准 Standard	IEC61008-1 GB16916.1	
产品功能 Functions	漏电保护功能 短路保护功能 Leakage Protection Short circuit protection function 过载保护功能 隔离功能 Short circuit protection function Isolation function	
壳架等级电流 (A) Inm Frame current(A)	32	
极数 Pole	1+N(18mm宽)	
额定电流 (A) I _n Rated current(A)	6、10、16、20、25、32	
额定电压 (V) U _e Rated voltage(V)	AC230	
额定绝缘电压 (V) U _i Rated insulated voltage(V)	500	
额定冲击耐受电压 (kV) U _{imp} Rated impulse withstand voltage(kV)	4	
额定剩余工作电流 (mA) Rated residual working current(mA)	30、100、300	
剩余电流特性选择 Residual current characteristics	A AC	
额定短路分断能力 I _{cn} Rated short-circuit breaking capacity	6kA	
额定极限短路分断能力 I _{cu} Rated ultimate short-circuit breaking capacity	6kA	
额定运行短路分断能力 I _{cs} Rated operating short-circuit breaking capacity	6kA	
额定剩余电流时最大分断时间 Max. breaking capacity at rated residual current	0.1s	
脱扣曲线 Trip curve	B C D	
脱扣形式 Release Form	Thermomagnetic release	
电气寿命 Electrical life	10000	
机械寿命 Mechanical life	20000	
污染等级 Pollution grade	2	
防护等级 Protection level	IP20	
环境温度 Temperature	-35℃ ~ +70℃	
安装海拔高度 Altitude	不超过2000m Do not exceed 2000m	
接线端子 Wiring terminal	螺钉压接 Screw crimping	
最大接线能力 (mm ²) Max. connection capacity (mm ²)	25	
最大极限扭矩 (Nm) Max. ultimate torque (Nm)	2.5	
安装类别 Installation category	II、III	
安装方式 Installation method	TH35-7.5型标准导轨 TH37-7.5 type DIN rail	
接线方式 Incoming wiring method	上进线 Install the wire at the top	

AOH隔离开关

产品概述 Overview

隔离开关，分闸时，触头间有符合规定要求的绝缘距离和明显的断开标志;在合位置时，能承载正常回路条件下的电流及在规定时间内异常条件（例如短路）下的电流的开关设备。隔离开关的作用是断开无负荷电流的电路 使所检修的设备与电源有明显的断开标志，以保证检修人员的安全，隔离开关没有专门的灭弧装置不能切断负载电流和短路电流，所以必须在断路器断开电路的情况下才可以操作隔离开关。

Isolating switch is a switching device.When opening, there is an insulation distance and an obvious disconnection mark between the contacts in accordance with the requirements of the station.When losing,it can carry the current under normal circuit conditions and abnormal conditions within the specified time,such as short circuit.

The function of the isolating switch is to disconnect the circuit with no load current,so that the equipment under inspection and the power supply have an obvious disconnection mark to ensure the safety of the maintenance personnel. The isolating switch cannot cut off the load current and short-circuit current without a special arc extinguishing device. Therefore,the isolating switch can only be operated when the circuit breaker is disconnected.

隔离开关工作特点 Working characteristics of isolating switch

- 1.在电气设备检修时，提供一个电气间隔，并且是一个明显可见的断开点，用以保障维护人员的人身安全。
 - 2.隔离开关不能带负载操作：不能带额定电流或大电流操作，不能分、合额定电流和短路电流。
 - 3.一般送电操作时：先合隔离开关，后合断路器或负荷类开关;断电操作时：先断开断路器或负荷类开关，后断开隔离开关。
 - 4.选用时和其它的电气设备相同，其额定电压、额定电流、动稳定电流、热稳定电流等都必须符合使用场合的需要。
1. During the overhaul of electrical equipment, it provides an electrical compartment which is a clearly visible disconnection point to ensure the personal safety of maintenance personnel.
 2. The isolating switch cannot be operated with load; it cannot be operated with rated current or large current, and cannot be opened or closed with rated current and short-circuit current.
 3. In general power transmission operation: closing the isolating switch at first, and then closing the circuit breaker or load switch. In the case of power off operation: closing the circuit breaker or load switch at first, and then disconnect the isolating switch.
 4. The selection is the same as other electrical equipment. Rated voltage, rated current, dynamic stable current, and thermal stable current must meet the needs of the use occasion.

产品选型 Product Selection



AOH - 125 / 100A 2

极数: 1、2、3、4
Pole: 1、2、3、4

额定电流(A): 25、40、...125
Rated current(A): 25、40、...125

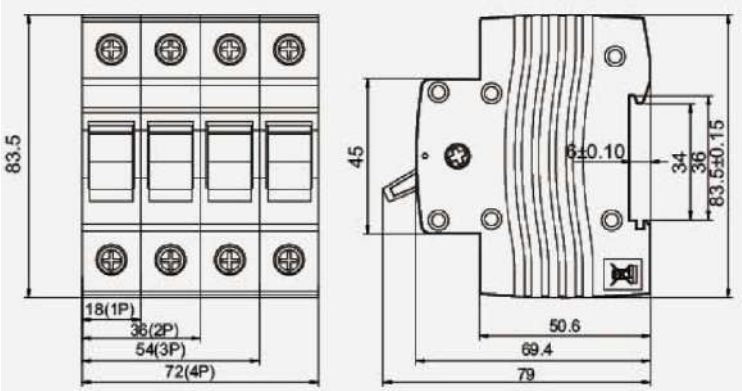
壳架等级(A)
Shell frame level(A)

隔离开关
Isolating Switch

企业代号
Company code

外形及安装尺寸 Outline Overall and Installation Dimensions

型号 Specifications	规格 Specifications	宽(mm) width
AOH-125	1P	18
	2P	36
	3P	54
	4P	72



AOH隔离开关



技术数据一览表 Technical Parameter

产品型号 Type	AOH-125
符合标准 Standard	GB14048.3 IEC60947-3
极数 Pole	1、2、3、4
额定电流 (A) Rated current(A)	25、40、63、80、100、125
额定电压 (V) Ue Rated voltage(V)	AC230(1P) AC230/400
额定绝缘电压 (V) Ui Rated insulated voltage(V)	690
额定冲击耐受电压 (kV) Uimp Rated impulse withstand voltage(kV)	6
额定短路耐受电流 Icw Rated short-circuit withstand current	12Ie/1s
额定短路接通能力 (kA) Icm Rated short-circuit making capacity	20Ie/0.1s
额定接通和分断能力 Rated making and breaking capacity	3Ie,1.05Ue,COSφ=0.8
使用类别 Utilization	AC-21B、AC-22A
电气寿命 Electrical life	1500
机械寿命 Mechanical life	8500
污染等级 Pollution grade	2
环境温度 Temperature	-35℃~ +70℃
安装海拔高度 Altitude	不超过2000m Do not exceed 2000m
接线端子 Wiring terminal	螺钉压接 Screw crimping
最大接线能力 (mm²) Max. connection capacity (mm²)	16(20A~63A) 50(80A~125A)
最大极限扭矩 (Nm) Max. ultimate torque (Nm)	2.0(20A~63A) 3.5(80A~125A)
安装类别 Installation category	II、III
安装方式 Installation method	TH35-7.5型标准导轨 Installation method
接线方式 Incoming wiring method	上下均可 Incoming wiring method
可安装附件 Installable accessories	—

AOU电涌保护器

产品概述 Overview

AOU电涌保护器，也叫防雷器，是一种为各种电子设备、仪器仪表、通讯线路提供安全防护的电子装置。当电气回路或者通信线路中因为外界的干扰突然产生尖峰电流或者电压时，浪涌保护器能在极短的时间内导通分流，从而避免浪涌对回路中其他设备的损害。

AOU电涌保护器，适用于交流50/60HZ，额定电压220V/380V的供电系统中，对间接雷电和直接雷电影响或其他瞬时过压的电涌进行保护，适用于家庭住宅、第三产业以及工业领域电涌保护的要求。

AOU surge protection Device, also known as lightning protector. It is an electronic device that provides safety protection for various electronic equipment, instruments and communication lines. When the electrical circuit or communication line suddenly produces a peak current or voltage due to external interference, the surge protection device can lead to shunt in a very short time, in order to avoid damage to other equipment in the circuit caused by the surge. AOU surge protector device is suitable for ac 50/60 Hz power supply system with rated voltage 220V/380V to protect indirect and direct lightning effects or other transient overvoltage surges. It meets the requirements of surge protection for residential use, tertiary and industrial fields.

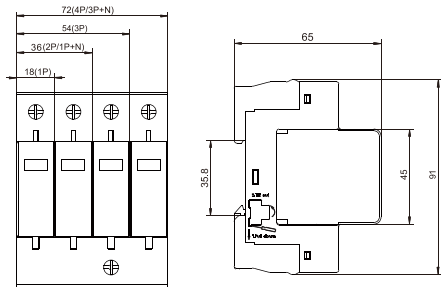
产品选型 Product Selection



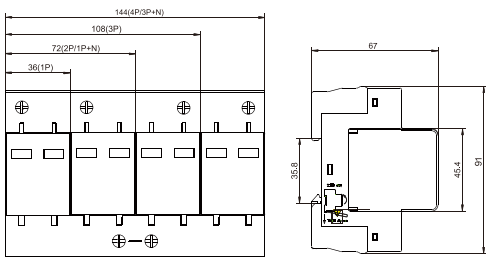
AO U - 40 / 2

- 极数: 1、2、3、4、1+N、3+N
Pole: 1、2、3、4、1+N、3+N
- 最大放电电流 (Imax) kA: 15、20、40、...160
Max Discharge Current (Imax) kA: 15、20、40、...160
- 电涌保护器
Surge Protection Device
- 企业代号
Company Code

外形及安装尺寸 Outline Overall and Installation Dimensions

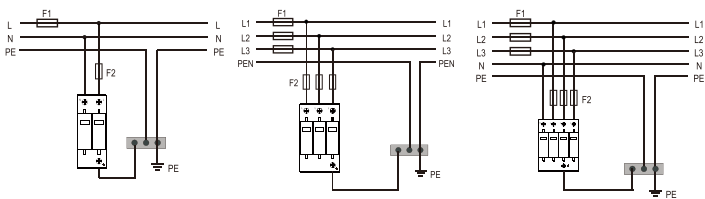


产品型号 Product model	规格 Specifications	宽(mm) width
AOU-15~65	1P	18
	2P/1P+N	36
	3P	54
	4P/3P+N	72

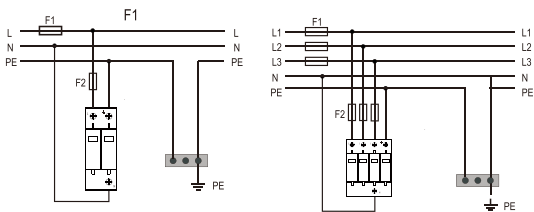


产品型号 Product model	规格 Specifications	宽(mm) width
AOU-80~160	1P	36
	2P/1P+N	72
	3P	108
	4P/3P+N	144

AOU电涌保护器接线图 AOU Surge Prtection Diagram



TN-S 系统安装示意图 TN-S System Installation Diagram



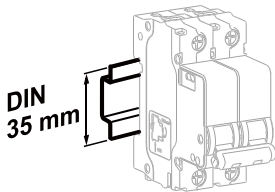
TT-S 系统安装示意图 TN-S System Installation Diagram

AOU电涌保护器

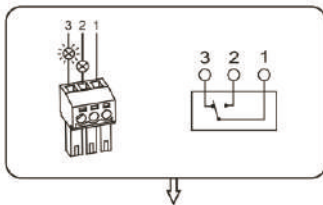
技术数据一览表 Technical Parameter



对瞬时过压电涌进行保护
Protection of instantaneous overvoltage surge



安装在35mm标准导轨上
Installed on 35mm DIN rail



接线能力(Connection Capacity): 1.5mm

U_{max}: AC125V I_{max}

产品型号 Type	AOU-15				AOU-20				AOU-40				AOU-65			
标称放电电流In Nominal Discharge Current	20				10				20				30			
最大放电电流Imax Max Discharge Current	15 (冲击电流) Impluse Current				20				40				65			
最大允许后备保险丝强度 A gL Max. Permissible Strength of Backup Fuse	50A				50				100				125			
最大持续工作电压Uc Max Continuous Operating Voltage	275	340	385	440	275	340	385	440	275	340	385	440	275	340	385	440
保护水平Up Protection Level	1.7	1.8	2.0	2.2	1.3	1.5	1.6	1.8	1.5	1.8	1.8	2.0	1.6	1.9	2.0	2.2
保护等级 Protection Class	(Ⅰ级保护+Ⅱ级保护) Level 1 Protection Level 2 Protection				Ⅱ级保护 Level 2 Protection											
波形 Waveform	8/20 与 10/350 8/20 and 10/350				8 / 20											
漏电流 7.5%Uc 1mA Leakage Current	≤ 20															
响应时间 Response Time	≤ 25															
产品结构 Product Srtucture	拔插式 Plug															
保护方式 Protection Method	进线保护 Protection of Incoming Line															
极数 Pole	1、2、3、4、1+N、3+N															
工作状态指示窗口 Working Condition Indicator Window	绿色：正常，红色：故障 Yes (Green: Normal, Red: Fault)															
接线端子接线能力 Wiring Capacity of Terminal	铜线最小4mm ² ， 最大单股 36mm ² ， 多股 25mm ² Minimum Size of Copper Conductor 4mm ² , Maximum Size: Unistrand 36mm ² , Multistrand 25mm ²															
符合标准Standards	IEC61643 -1 GB18802.1															
可选附件Optional Accessories	有 (YX遥信) Yes (YX telecommand)															
安装 Installation	模块化结构，可方便地安装在 DIN 标准导轨上； 额定扭矩 3.5N*M It is modular construction which can directly install at the standard DIN rail. Rated Torque: 3.5NM															
防护等级 Protection Level	IP20															

产品型号Type	AOU-80				AOU-120				AOU-160			
标称放电电流I _n Nominal Discharge Current	40				60				80			
最大放电电流I _{max} Max Discharge Current	80				120				160			
最大允许后备保险丝强度 A _g L Max. Permissible Strength of Backup Fuse	160				200				250			
最大持续工作电压U _c Max Continuous Operating Voltage	275	340	385	440	275	340	385	440	275	340	385	440
保护水平U _p Protection Level	2.2	2.5	2.5	2.8	2.3	2.5	2.5	2.8	2.3	2.5	2.5	2.8
漏电流 7.5%U _c 1mA Leakage Current	≤ 20											
响应时间 Response Time	≤ 25											
波形 Waveform	8 / 20											
产品结构 Product Structure	拔插式 Plug											
保护等级 Protection Class	二级保护 Level 2 Protection											
极数 Pole	1、2、3、4、1+N、3+N											
工作状态指示窗口 Working Condition Indicator Window	有(绿色:正常;红色:故障) Yes (Green: Normal, Red: Fault)											
接线端子接线能力 Wiring Capacity of Terminal	铜导线4mm ² , 最大: 单股36mm ² , 多股: 25mm ² Minimum Size of Copper Conductor 4mm ² , Maximum Size: Unistrand 36mm ² , Multistrand 25mm ²											
符合标准Standards	IEC61643 -1 GB18802.1											
可选附件Optional Accessories	有 (YX遥信) Yes (YX Telecommand)											

附件 Accessory

遥信 YX YX Telecommand	
额定工作电压 U _e Rated Operational Voltage	125V
额定工作电流 I _e Rated Operating Current	1A
触点 Contact	一个常开触点, 一个常闭触点 One normally open contact, one normally closed contact.
功能 Function	当 SPD 模块失效脱离后, 常开触点将闭合, 常闭触点将断开, 送出故障信息 When SPD module fails and disconnects, normally open contacts will close and normally closed contacts will break. A fault message will be sent.