

CKDB7 Standard Miniature Current Circuit Breaker (MCB)

CKDB7 标准型小型断路器



Rocker (with label cover) 弧形 (带标签罩)

Features:

The combined terminal with contact finger protection and contact closure, disconnection indication, higher safety.
Excellent performance, the energy limit I²t is within level 3.
This circuit breaker is suitable for lines with AC 50/60Hz, rated voltage 230/400V, and rated current to 63A.
A variety of modular accessories can be configured.
Compact structure and flexible installation.

Functions:

Overload protection;
Short circuit protection;
Under normal circumstances, the line can be switched infrequently.

Applications:

Suitable for the switch and protection of low-voltage devices in large residential, commercial and industrial buildings.

Standard:

GB/T 10963.1, IEC/EN 60898-1
GB/T 14048.2, IEC/EN 60947-2

Certificates:

VDE, CCC, KC, CB, CE

特点:

带触指防护组合式接线端子和触头闭合、断开指示, 安全性更高。
效能卓越, 限能值I²t在3级范围内。
该断路器适用于交流50/60Hz, 额定电压 230/400V, 额定电流至63A的线路中。
可以配置多种模块化附件。
结构紧凑, 安装灵活。

功能:

过载保护;
短路保护;
可在正常情况下对线路进行不频繁转换操作。

应用:

适用于商业办公室、民用住宅及一般工业用途的终端配电线路。

标准:

GB/T 10963.1、IEC/EN 60898-1
GB/T 14048.2、IEC/EN 60947-2

资质认证:

VDE、CCC、KC、CB、CE

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Main Parameters and Technical Performance / 主要参数及技术性能

Table 1 表 1

Standard 标准		GB/T 10963.1 IEC/EN 60898-1	GB/T 14048.2 IEC/EN 60947-2
Instantaneous tripping type 瞬时脱扣型式		B, C, D	K
Rated short-circuit breaking capacity (Icn) 额定短路分断能力(Icn)	kA	6	
Rated ultimate short-circuit breaking capacity (Icu) 额定极限短路分断能力(Icu)	kA		6
Rated service short-circuit breaking capacity (Ics) 额定运行短路分断能力(Ics)		6	6
Rated current (In) 额定电流 (In)	A	1, 2, 3, 4, 5, 6, 8, 10, 13, 16, 20, 25, 32, 40, 50, 63	
Number of poles 极数		1, 2, 3, 4	
Rated operating voltage (Ue) 额定工作电压 (Ue)	VAC	230 / 400	
Rated frequency 额定频率	Hz	50 / 60	
Insulation voltage (Ui) 绝缘电压 (Ui)	VAC	500	
Rated withstand impulse voltage (Uimp) 额定冲击耐受电压 (Uimp)	kV	4	6
Main circuit dielectric strength (1 min power-frequency withstand voltage test) 主电路介电强度(1min工频耐压试验)	kV	2	
Protection degree 防护等级		IP20 / IP40 (In distribution box 在配电箱内)	
Electric life 电气寿命	Times 次	10000	
Mechanical life 机械寿命	Times 次	20000	
Position indicator of main contact 主触头位置指示		OFF= Green ON= Red OFF=“绿色” ON=“红色”	
Pollution degree 污染等级		2	3
Standard 标准 operating 工作 condition 条件	Ambient temperature 环境温度	-5°Cto+40°C and its average over a period of 24h does not exceed +35°C -5°C~+40°C且24h平均值不超过+35°C	
	Storage temperature 储存温度	-25°Cto+55°C, for short periods not exceeding 24h, up to +70°C°C -25°C~+55°C,对于短期储存不超过24h,可以达到+70°C	
	Altitude 海拔	m	≤2000
Terminal connection types 端子连接类型		Type cable, type U bus, pin type bus 电缆/U型母排/销钉型母排	
Wiring terminal connection conductor 接线端子连接导线	mm²	1~16	
Rated torque 额定扭矩	N*m	2.5(Max.5.0 最大5.0)	
Installation mode 安装方式		DIN-rail mounting EN60715 (35mm) 导轨安装EN60715 (35mm)	
Wiring incoming mode 接线方式		Can be wired from top or bottom 上、下进线均可	

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CKDB7 (1726) 1P



1 Pole / 1极

CKDB7-C6316R

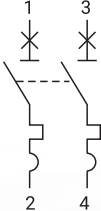
Rated current (A) 额定电流 (A)	GB/T 10963.1 IEC/EN 60898-1			GB/T 14048.2 IEC/EN 60947-2
	Rated short-circuit breaking capacity: 6kA 额定短路分断能力(A): 6kA			Rated ultimate short-circuit breaking capacity: 6kA 额定极限短路分断能力(A): 6kA
	Instantaneous tripping type 瞬时脱扣型式			Instantaneous tripping type 瞬时脱扣型式
	B	C	D	K
1	CKDB7-B0116R	CKDB7-C0116R	CKDB7-D0116R	CKDB7-K0116R
2	CKDB7-B0216R	CKDB7-C0216R	CKDB7-D0216R	CKDB7-K0216R
3	CKDB7-B0316R	CKDB7-C0316R	CKDB7-D0316R	CKDB7-K0316R
4	CKDB7-B0416R	CKDB7-C0416R	CKDB7-D0416R	CKDB7-K0416R
5	CKDB7-B0516R	CKDB7-C0516R	CKDB7-D0516R	CKDB7-K0516R
6	CKDB7-B0616R	CKDB7-C0616R	CKDB7-D0616R	CKDB7-K0616R
8	CKDB7-B0816R	CKDB7-C0816R	CKDB7-D0816R	CKDB7-K0816R
10	CKDB7-B1016R	CKDB7-C1016R	CKDB7-D1016R	CKDB7-K1016R
13	CKDB7-B1316R	CKDB7-C1316R	CKDB7-D1316R	CKDB7-K1316R
16	CKDB7-B1616R	CKDB7-C1616R	CKDB7-D1616R	CKDB7-K1616R
20	CKDB7-B2016R	CKDB7-C2016R	CKDB7-D2016R	CKDB7-K2016R
25	CKDB7-B2516R	CKDB7-C2516R	CKDB7-D2516R	CKDB7-K2516R
32	CKDB7-B3216R	CKDB7-C3216R	CKDB7-D3216R	CKDB7-K3216R
40	CKDB7-B4016R	CKDB7-C4016R	CKDB7-D4016R	CKDB7-K4016R
50	CKDB7-B5016R	CKDB7-C5016R	CKDB7-D5016R	CKDB7-K5016R
63	CKDB7-B6316R	CKDB7-C6316R	CKDB7-D6316R	CKDB7-K6316R

CKDB7 Standard Miniature Current Circuit Breaker (MCB)

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CKDB7 (1719) 2P



2 Poles / 2极

CKDB7-C6326R

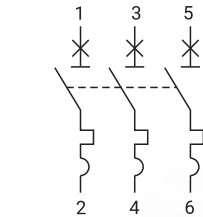
Rated current (A) 额定电流 (A)	GB/T 10963.1 IEC/EN 60898-1			GB/T 14048.2 IEC/EN 60947-2
	Rated short-circuit breaking capacity: 6kA 额定短路分断能力(A): 6kA			Rated ultimate short-circuit breaking capacity: 6kA 额定极限短路分断能力(A): 6kA
	Instantaneous tripping type 瞬时脱扣型式			Instantaneous tripping type 瞬时脱扣型式
	B	C	D	K
1	CKDB7-B0126R	CKDB7-C0126R	CKDB7-D0126R	CKDB7-K0126R
2	CKDB7-B0226R	CKDB7-C0226R	CKDB7-D0226R	CKDB7-K0226R
3	CKDB7-B0326R	CKDB7-C0326R	CKDB7-D0326R	CKDB7-K0326R
4	CKDB7-B0426R	CKDB7-C0426R	CKDB7-D0426R	CKDB7-K0426R
5	CKDB7-B0526R	CKDB7-C0526R	CKDB7-D0526R	CKDB7-K0526R
6	CKDB7-B0626R	CKDB7-C0626R	CKDB7-D0626R	CKDB7-K0626R
8	CKDB7-B0826R	CKDB7-C0826R	CKDB7-D0826R	CKDB7-K0826R
10	CKDB7-B1026R	CKDB7-C1026R	CKDB7-D1026R	CKDB7-K1026R
13	CKDB7-B1326R	CKDB7-C1326R	CKDB7-D1326R	CKDB7-K1326R
16	CKDB7-B1626R	CKDB7-C1626R	CKDB7-D1626R	CKDB7-K1626R
20	CKDB7-B2026R	CKDB7-C2026R	CKDB7-D2026R	CKDB7-K2026R
25	CKDB7-B2526R	CKDB7-C2526R	CKDB7-D2526R	CKDB7-K2526R
32	CKDB7-B3226R	CKDB7-C3226R	CKDB7-D3226R	CKDB7-K3226R
40	CKDB7-B4026R	CKDB7-C4026R	CKDB7-D4026R	CKDB7-K4026R
50	CKDB7-B5026R	CKDB7-C5026R	CKDB7-D5026R	CKDB7-K5026R
63	CKDB7-B6326R	CKDB7-C6326R	CKDB7-D6326R	CKDB7-K6326R

CKDB7 Standard Miniature Current Circuit Breaker (MCB)

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CKDB7 (1726) 3P



3 Poles / 3极 CKDB7-C6336R

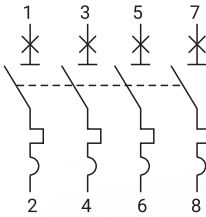
Rated current (A) 额定电流 (A)	GB/T 10963.1 IEC/EN 60898-1			GB/T 14048.2 IEC/EN 60947-2
	Rated short-circuit breaking capacity: 6kA 额定短路分断能力(A): 6kA			Rated ultimate short-circuit breaking capacity: 6kA 额定极限短路分断能力(A): 6kA
	Instantaneous tripping type 瞬时脱扣型式			Instantaneous tripping type 瞬时脱扣型式
	B	C	D	K
1	CKDB7-B0136R	CKDB7-C0136R	CKDB7-D0136R	CKDB7-K0136R
2	CKDB7-B0236R	CKDB7-C0236R	CKDB7-D0236R	CKDB7-K0236R
3	CKDB7-B0336R	CKDB7-C0336R	CKDB7-D0336R	CKDB7-K0336R
4	CKDB7-B0436R	CKDB7-C0436R	CKDB7-D0436R	CKDB7-K0436R
5	CKDB7-B0536R	CKDB7-C0536R	CKDB7-D0536R	CKDB7-K0536R
6	CKDB7-B0636R	CKDB7-C0636R	CKDB7-D0636R	CKDB7-K0636R
8	CKDB7-B0836R	CKDB7-C0836R	CKDB7-D0836R	CKDB7-K0836R
10	CKDB7-B1036R	CKDB7-C1036R	CKDB7-D1036R	CKDB7-K1036R
13	CKDB7-B1336R	CKDB7-C1336R	CKDB7-D1336R	CKDB7-K1336R
16	CKDB7-B1636R	CKDB7-C1636R	CKDB7-D1636R	CKDB7-K1636R
20	CKDB7-B2036R	CKDB7-C2036R	CKDB7-D2036R	CKDB7-K2036R
25	CKDB7-B2536R	CKDB7-C2536R	CKDB7-D2536R	CKDB7-K2536R
32	CKDB7-B3236R	CKDB7-C3236R	CKDB7-D3236R	CKDB7-K3236R
40	CKDB7-B4036R	CKDB7-C4036R	CKDB7-D4036R	CKDB7-K4036R
50	CKDB7-B5036R	CKDB7-C5036R	CKDB7-D5036R	CKDB7-K5036R
63	CKDB7-B6336R	CKDB7-C6336R	CKDB7-D6336R	CKDB7-K6336R

CKDB7 Standard Miniature Current Circuit Breaker (MCB)

CKDB7 标准型小型断路器



CKDB7 (1726) 4P



4Poles / 4极 CKDB7-C6346

Rated current (A) 额定电流 (A)	GB/T 10963.1 IEC/EN 60898-1			GB/T 14048.2 IEC/EN 60947-2
	Rated short-circuit breaking capacity: 6kA 额定短路分断能力(A): 6kA			Rated ultimate short-circuit breaking capacity: 6kA 额定极限短路分断能力(A): 6kA
	Instantaneous tripping type 瞬时脱扣型式			Instantaneous tripping type 瞬时脱扣型式
	B	C	D	K
1	CKDB7-B0146R	CKDB7-C0146R	CKDB7-D0146R	CKDB7-K0146R
2	CKDB7-B0246R	CKDB7-C0246R	CKDB7-D0246R	CKDB7-K0246R
3	CKDB7-B0346R	CKDB7-C0346R	CKDB7-D0346R	CKDB7-K0346R
4	CKDB7-B0446R	CKDB7-C0446R	CKDB7-D0446R	CKDB7-K0446R
5	CKDB7-B0546R	CKDB7-C0546R	CKDB7-D0546R	CKDB7-K0546R
6	CKDB7-B0646R	CKDB7-C0646R	CKDB7-D0646R	CKDB7-K0646R
8	CKDB7-B0846R	CKDB7-C0846R	CKDB7-D0846R	CKDB7-K0846R
10	CKDB7-B1046R	CKDB7-C1046R	CKDB7-D1046R	CKDB7-K1046R
13	CKDB7-B1346R	CKDB7-C1346R	CKDB7-D1346R	CKDB7-K1346R
16	CKDB7-B1646R	CKDB7-C1646R	CKDB7-D1646R	CKDB7-K1646R
20	CKDB7-B2046R	CKDB7-C2046R	CKDB7-D2046R	CKDB7-K2046R
25	CKDB7-B2546R	CKDB7-C2546R	CKDB7-D2546R	CKDB7-K2546R
32	CKDB7-B3246R	CKDB7-C3246R	CKDB7-D3246R	CKDB7-K3246R
40	CKDB7-B4046R	CKDB7-C4046R	CKDB7-D4046R	CKDB7-K4046R
50	CKDB7-B5046R	CKDB7-C5046R	CKDB7-D5046R	CKDB7-K5046R
63	CKDB7-B6346R	CKDB7-C6346R	CKDB7-D6346R	CKDB7-K6346R

CKDB7 Standard Miniature Current Circuit Breaker (MCB)

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Tripping Characteristics and Curve / 脱扣特性及曲线 (IEC/EN 60898, GB/T 10963.1)

Table 3 表 3

Sep.No 序号	Type 型式	Test current 试验电流	Iniaial state 起始状态	Tripping time 脱扣时间	Notes 备注
1	B、C、D	1.13 In	Cold state 冷态	$t \geq 1h$	
2	B、C、D	1.45 In	Just follow the previous test 紧接着前项试验后进行	$t < 1h$	The current steadily rlises to the specified value within 5s 电流在5s内稳定地升至规定值
3	B、C、D	2.55 In	Cold state 冷态	$1 < t < 60s (In \leq 32A)$	
				$1 < t < 120s (In > 32A)$	
4	B	3 In	Cold state 冷态	$t > 0.1s$	Switch on the current by closing auxiliary switch 通过闭合辅助开关接通电流
	C	5 In			
	D	10 In			
5	B	5 In	Cold state 冷态	$t < 0.1s$	Switch on the current by closing auxiliary switch 通过闭合辅助开关接通电流
	C	10 In			
	D	20 In			

Note: Type B tripping characteristics: generally used in lighting distribution system.
Type C tripping characteristics: generally used in lighting distribution, socket circuit or part of the power distribution system.
Type D tripping characteristics: generally used in power, or other strong inductive load circuit.

注: B型脱扣特性: 一般用于照明配电系统中
C型脱扣特性: 一般用于照明配电, 插座回路或部分动力配电系统中
D型脱扣特性: 一般用于动力或其他强感性负载回路

Tripping Characteristics and Curve / 脱扣特性及曲线 (IEC/EN 60947-2, GB/T 14048.2)

Table 4 表 4

Sep.No 序号	Type 型式	Test current 试验电流	Iniaial state 起始状态	Tripping time 脱扣时间	Notes 备注
1	K	1.05 In	Cold state 冷态	$t \geq 1h$	
2	K	1.3 In	Just follow the previous test 紧接着前项试验后进行	$t < 1h$	The current steadily rlises to the specified value within 5s 电流在5s内稳定地升至规定值
3	K	12 In $\begin{smallmatrix} -20\% \\ +20\% \end{smallmatrix}$	Cold state 冷态	$t > 0.2s$	Switch on the current by closing auxiliary switch 通过闭合辅助开关接通电流
				$t < 0.2s$	

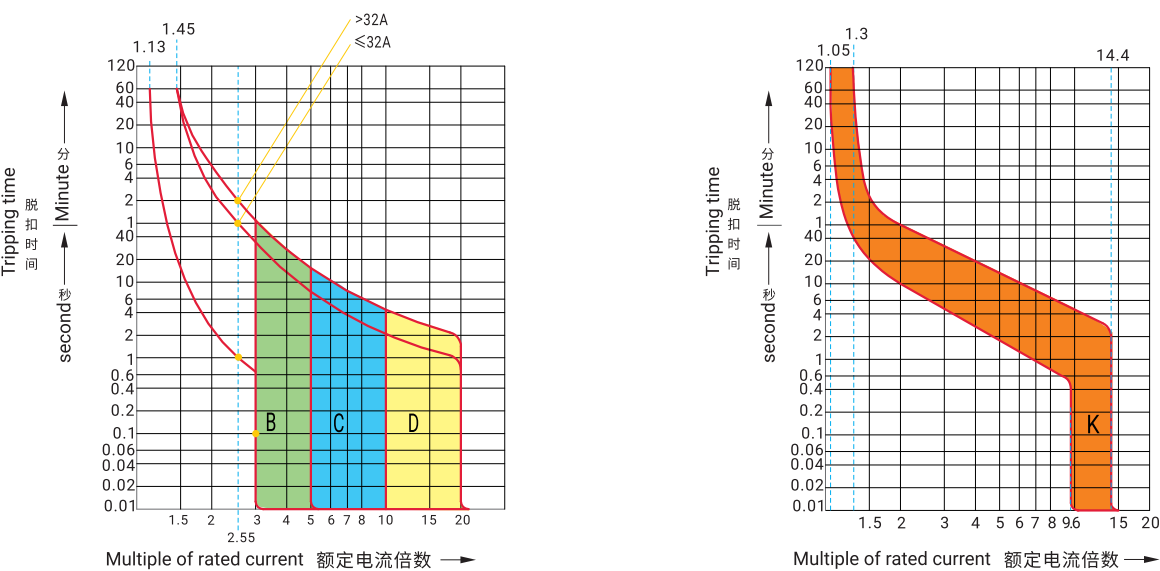
Note: Type K tripping characteristics: applied to the commercial and industrial distribution fields.
注: K型脱扣特性: 一适用于商业和工业配电领域

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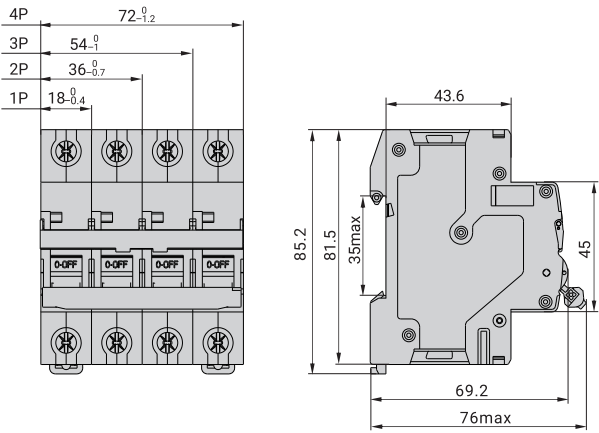
Tripping Characteristics Curve / 脱扣特性曲线



According to IEC/EN 60898-1 GB/T 10963.1
符合IEC/EN 60898-1 GB/T 10963.1标准

According to IEC/EN 60947-2 GB/T 14048.2
符合IEC/EN 60947-2 GB/T 14048.2标准

Reference Size / 外形尺寸 (mm)



Rocker (with label cover) 弧形 (带标签罩)

CKDB7 Standard Miniature Current Circuit Breaker (MCB)

CKDB7 标准型小型断路器



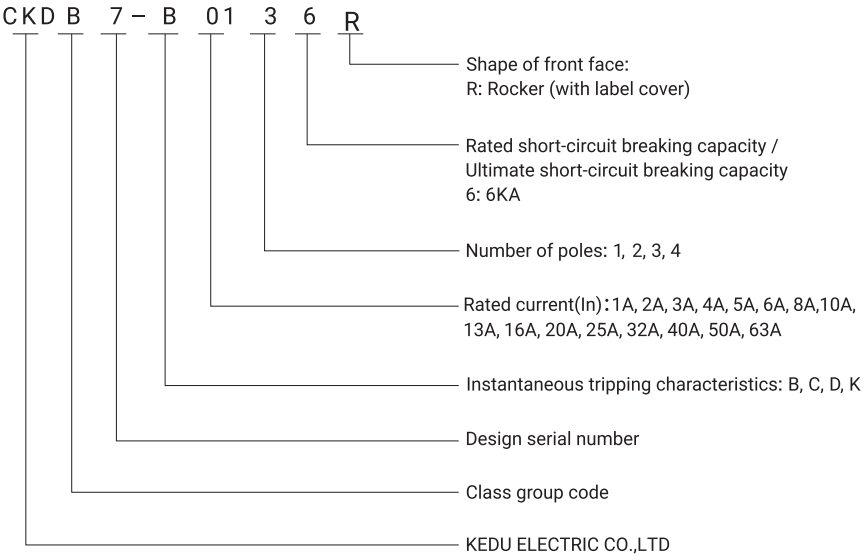
Optional Accessories / 可选用的附件

Table 2 表 2

Status indicating contact M2AX	✓	状态指示触头M2AX	✓
Shunt trip+status indicating shunt trip M2SH+M2SHX	✓	分励脱扣+状态指示分励脱扣器M2SH+M2SHX	✓
Undervoltage trip M2UV	✓	欠压脱扣器M2UV	✓
Alarm contact M2AL	✓	报警触头M2AL	✓
Shunt trip M2SH	✓	过压脱扣器M2OV	✓
Shunt trip M2SH	✓	分励脱扣器M2SH	✓
Dual switch contact M2ALX	✓	双重切换触头M2ALX	✓
Delay undervoltage trip M2US	✓	延时欠压脱扣器M2US	✓

Note: All accessories are only apply to the circuit breakers with the exposed front face of rocker, check page 68 for details.
注：所有附件只适合前端面外形是弧形的断路器，详细内容见第68页。

Type and Meaning / 型号及含义



前端面外形：
R：弧形(带标签罩)

额定短路分断能力/极限短路分断能力：
6: 6kA

极数: 1,2,3,4

额定电流：1A,2A,3A,4A,5A,6A,8A,10A,
13A,16A,20A,25A,32A,40A,50A,63A

瞬时脱扣型式: B, C, D, K

设计序号

类组代号

科都电气股份有限公司

Miniature Current Circuit Breaker Accessories

小型断路器附件



- Undervoltage release
 - Time delay undervoltage trip
 - Overvoltage trip
 - Shunt trip
 - Status indication shunt trip
 - Alarm contacts
 - Dual switch contact
 - State indicating contact
- 欠压脱扣器
 - 延时欠压脱扣器
 - 过压脱扣器
 - 分励脱扣器
 - 状态指示分励脱扣器
 - 报警触头
 - 双重切换触头
 - 状态指示触头

Product Assembly and Installation

M2 accessories and M2C3216 circuit breaker is assembled as shown in the right figure
After the auxiliary contact is assembled with circuit breaker, they are installed on the EN60715 (35mm) Din-rail.

产品拼装与安装

M2附件与M2C3216断路器拼装使用，如右图所示：
辅助触头与断路器拼装后，一起安装在EN60715（35mm）导轨上。

Normal Operation and Installation Conditions

- Ambient temperature -5°C ~ +40°C and average temperature does not exceed + 35 °C in 24h
- Relative humidity: not greater than 95%
- Pollution degree: 3
- Altitude: not more than 2000m
- No significant impact and vibration in installation
- for vertical installation, the lean of installing surface is not above 5° in any directions

正常工作 and 安装条件

- 环境温度：- 5°C~+40°C，24小时内平均值不超过35°C
- 相对湿度：≤95%
- 污染等级：2
- 海拔：不超过2000m
- 安装处无显著冲击和振动
- 垂直安装，安装面与任何方向的倾斜不超过5°

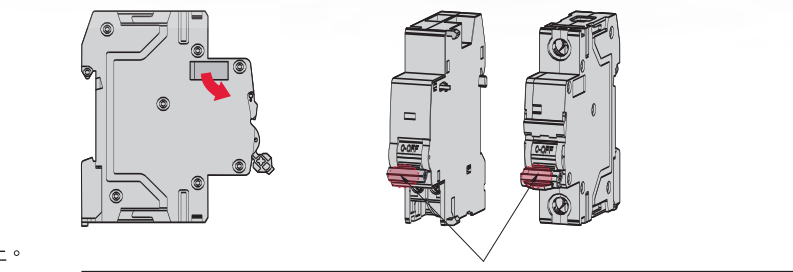
Ordering Instructions

The following information shall be provided in ordering

- Accessory name and code
- Ordering quantity
- Ordering example for ordering 10000 units of alarming contact M2AL1 in the M2 accessories, It shall be written as alarm contact M2AL1 in 10000 units

订货须知

- 订货时需说明：
- 附件名称和产品号
- 订货数量
- 订货举例：用户需订M2附件中的报警触头 M2AL1 10000台 书写为: 报警触头 M2AL1 10000台

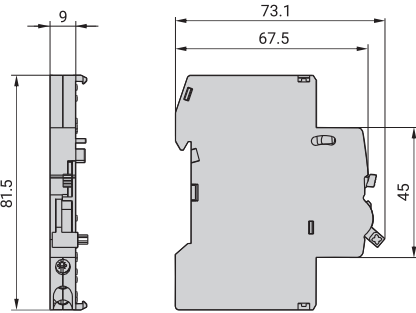


- ①Tear off the protection paper panel of circuit breaker

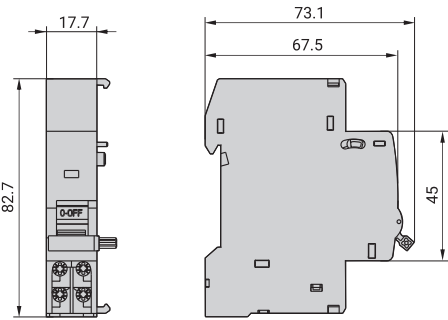
① 撕下断路器的防护纸板
- ②Align and assemble the handle of circuit breaker to the handle of contact,and the contact is locked to the circuit breaker

② 将断路器的手柄与与触头的手柄对齐进行拼装，并且触头挂扣在断路器上

Reference Size / 外形尺寸 (mm)



M2AL, M2ALX, M2AX



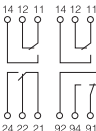
M2US, M2OV, M2UV, M2SH, M2SHX

Miniature Current Circuit Breaker Accessories

小型断路器附件



M2 accessory, applicable scope, function, application and technical parameters, etc. are shown in the table below :
M2附件及使用范围、功能及应用、技术参数等见下表：

Name名称	Undervoltage release 欠压脱扣器	Time delay undervoltage release 延时欠压脱扣器	Overvoltage release 过压脱扣器	Shunt release 分励脱扣器	Status indication shunt release 状态指示分励脱扣器	State indicating contact 状态指示触头	Alarm contacts 报警触头	Dual switch contact 双重切换触头
Type 型号	M2UV	M2US	M2OV	M2SH	M2SHX	M2AX	M2AL	M2ALX
Outside view 外形								
Functions and applications 功能及应用	>when the supply voltage drops to 35%-70%Un, the circuit breaker trips. >when the power supply is not in the normal conditions, prevent the circuit breaker from reconnection, ensuring usage safety. >using the operating handle for emergency breaking .		>monitoring the voltage between phase line and neutral line, when the voltage rises (e.g., neutral line is off), trigger the assembled circuit breaker for tripping	>After obtaining the signal, trigger the assembled circuit breaker for tripping >Using the operating handle to complete emergency breaking		>On and off state of remote indication circuit breaker	>Sending signals in case of circuit breaker failure and tripping >mechanical indications on the front panel may indicate the fault tripping	>can be switched between auxiliary + alarm (AX + AL) and auxiliary + auxiliary (A + A) >for alarm contact tripping, red indicating on the front side of device
	> 当电源电压下降到 35%-70%Un，使断路器脱扣。 > 当电源未恢复正常时，防止断路器重新接通，保证使用安全。 > 使用操作手柄可实现紧急分断。		> 监控相线与中性线间的电压，当电压升高时(如中性线断开)，触发与之拼装的断路器脱扣	> 当得到信号后，触发与之拼装的断路器脱扣 > 使用操作手柄可实现紧急分断	> 远程指示断路器的合、分状态		> 断路器故障脱扣时发出信号 > 前面板上有机机械指示，可指示故障脱扣	> 可以在辅助+报警(AX+AL)与辅助+辅助(AX+AX)间进行切换。 > 装置正面有So或OF切换状态指示
	Rated tripping voltage range 35%-70% un 额定脱扣电压范围 35%-70%Un		0.2 second delay, preventing temporary voltage drop causing false tripping 0.2秒延时，防止电压暂时下降引起误脱扣	Rated tripping voltage range 280±5%VAC 额定脱扣电压范围280±5%VAC	No state indicating contact 无状态指示触头	Including a status indicatingcontact, which can remotely indicate the ON / OFF state of circuit breaker 包括一个状态指示触头，可远程指示断路器的合/分状态		
wiring diagram 接线图								

Miniature Current Circuit Breaker Accessories

小型断路器附件



Technical Parameters / 技术参数

Name名称	Undervoltage release 欠压脱扣器		Time delay undervoltage release 延时欠压脱扣器	Overvoltage release 过压脱扣器	Shunt release 分励脱扣器			Status indication shunt release 状态指示分励脱扣器			State indicating contact 状态指示触头	Alarm contacts 报警触头	Dual switch contact 双重切换触头		
Type 型号	M2UV		M2US	M2OV	M2SH			M2SHX			M2AX	M2AL	M2ALX		
Outside view 外形															
Code产品号	M2UV1	M2UV2	M2US1	M2OV1	M2SH1	M2SH2	MS2H3	M2SHX1	M2SHX2	M2SHX3	M2AX1	M2AL1	M2ALX1		
Voltage (Ue) 电压(Ue)	VAC	220...240	220...240		230	100~415	48	12~24	100~415	48	12~24	240...415	240...415	240...415	
	VDC	—	—		—	110~130	48	12~24	110~130	48	12~24	24...130	24...130	24...130	
Frequency Hz 频率(Hz)			50/60		50/60	50/60			50/60			50/60	50/60	50/60	
Red mechanical indicator 红色机械指示	Front panel 前面板		Front panel 前面板		Front panel 前面板	Front panel 前面板			Front panel 前面板			Front panel 前面板	Front panel 前面板	Front panel 前面板	
Test function 测试功能	—		—		—	—			—			On the handle 在手柄上	On the handle 在手柄上	On the handle 在手柄上	
Width (in multiples of 9 mm) 宽度(9mm的倍数)	2		2		2	2			2			1	1	1	
Operating current 工作电流	—		—		—	—			12...24VDC Minimum 10mA Maximum6A 12...24VDC 最小10mA 最大6A 48VDC 2A ≤130VDC 1A ≤240VAC 6A 415VAC			24VDC Minimum10mA Maximum6A 24VDC 最小10mA 最大6A 48VDC 2A 60VDC 1.5A 130VDC 1A 240VAC 6A 415VAC 3A		—	
Contact numbers 触点数	—		—		—	—			1NO/NC			1NO/NC	1NO/NC	1NO/NC+1NO/NC	
Operating temperature °C 工作温度°C	-25~+50		-25~+50		-25~+50	-25~+50			-25~+50			-25~+50	-25~+50	- 25~+50	
Storage temperature °C 存储温度°C	- 40~+85		- 40~+85		- 40~+85	- 40~+85			- 40~+85			- 40~+85	- 40~+85	- 40~+85	

Circuit Breaker Ordering Instructions

断路器订货须知

Please provide the following information when ordering:

订货时需提供下列信息：

Type 型号	Poles 极数	Rated current(A) 额定电流(A)	Rated residual operating current I△n(mA) 额定剩余电流 I△n(mA)	Type of residual current 剩余电流类型	Instantaneous tripping type 瞬时脱扣型式	Rated short-circuit breaking capacity Inc 额定短路分断能力Inc	Quantity 数量
CKDL1	☐ 1P+N	☐ 16 ☐ 25 ☐ 32 ☐ 40 ☐ 63 ☐ 80 ☐ 100	☐ 10 ☐ 30 ☐ 100 ☐ 300	☐ A ☐ AC		☐ 6kA ☐ 10kA	台
CKDL2	☐ 3P+N	☐ 16 ☐ 25 ☐ 32 ☐ 40 ☐ 63 ☐ 80 ☐ 100	☐ 10 ☐ 30 ☐ 100 ☐ 300	☐ A ☐ AC		☐ 6kA ☐ 10kA	台
CKDL7	☐ 1P+N	☐ 25 ☐ 32 ☐ 40 ☐ 63	☐ 30 ☐ 100 ☐ 300	☐ B		☐ 6kA ☐ 10kA	台
CKDL8	☐ 3P+N	☐ 16 ☐ 25 ☐ 32 ☐ 40 ☐ 63 ☐ 80	☐ 30 ☐ 100 ☐ 300	☐ B		☐ 6kA ☐ 10kA	台
CKDB8	☐ 1P+N	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40 ☐ 50	☐ 30	☐ A ☐ AC	☐ B ☐ C	☐ 6kA ☐ 10kA	台
CKDB9	☐ 1P+N	☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32	☐ 30	☐ A ☐ AC	☐ B ☐ C	☐ 6kA	台
CKDB10	☐ 2P	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32	☐ 30 ☐ 100 ☐ 300	☐ A ☐ AC	☐ B ☐ C	☐ 6kA ☐ 10kA	台
CKDB17	☐ 1P+N	☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40 ☐ 50 ☐ 63	☐ 30 ☐ 100 ☐ 300	☐ A ☐ AC	☐ B ☐ C	☐ 6kA ☐ 10kA	台
CKDF1	☐ 1P+N	☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40			☐ B ☐ C	☐ 6kA ☐ 10kA	台
CKDB2	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40 ☐ 50 ☐ 63			☐ B ☐ C ☐ D ☐ K	☐ 10kA	台
CKDB7	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40 ☐ 50 ☐ 63			☐ B ☐ C ☐ D ☐ K	☐ 6kA	台
CKDB3	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 1 ☐ 2 ☐ 3 ☐ 4 ☐ 5 ☐ 6 ☐ 8 ☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40 ☐ 50 ☐ 63			☐ J ☐ R ☐ K	☐ 6kA ☐ 10kA	台
CKDB18PV	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 10 ☐ 13 ☐ 16 ☐ 20 ☐ 25 ☐ 32 ☐ 40 ☐ 50 ☐ 63			☐ K	☐ 10kA	台
CKDB11H	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 80 ☐ 100 ☐ 125			☐ K	☐ 10kA	台
CKDG2	☐ 1 ☐ 2 ☐ 3 ☐ 4	☐ 16 ☐ 32 ☐ 40 ☐ 63 ☐ 80 ☐ 100 ☐ 125					台



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