

Type A & AC Electromagnetic Residual Current Circuit Breaker (RCCB) 电磁式剩余电流动作断路器




Rocker / 弧形


Features:

It is suitable for AC 50/60Hz, rated voltage 230V (1P+N) or 400V (3P+N), and rated current to 100A.

Pure electromagnetic type. The detection, discrimination and segmentation functions of residual current operated circuit breakers have nothing to do with the voltage of the power supply, which overcomes the defects of electronic products such as poor anti-interference performance, large impact by grid voltage fluctuations and failure to protect due to disconnection of the neutral line.

According to the working condition of residual current, it is divided into A type and AC type:

Type A : Suddenly applied or slowly rising residual sinusoidal AC current and residual pulsating current can ensure tripping, broadening the residual current protection range.

Type AC : Suddenly applied or slowly rising residual sinusoidal alternating current can ensure tripping.

According to the delay type, it is divided into general type and S type:

General type: Corresponding to a given residual current value, no driving time without a predetermined limit, fast response.

Type S: Corresponds to a given residual current value, can reach a predetermined limit non-driving time, and the response is slower

Functions:

When a person gets an electric shock or the leakage current of the grid exceeds the specified value, the residual current operated circuit breaker can cut off the fault circuit in a very short time to protect the safety of the person and the electrical equipment.

Applications:

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

Standard:

GB/T 16916.1 IEC/EN 61008-1
GB/T 16916.21 IEC/EN 61008-2-1

Certificates:

VDE, TUV, KC, CCC, CB, CE




Flat / 直形


特点:

适用于交流50/60Hz,额定电压230V (1P+N) 或400V (3P+N),额定电流至100A的线路内。

纯电磁式:剩余电流动作断路器的检测、判别和分段动作功能与电源的电压无关,克服了电子式产品抗干扰性能差、受电网电压波动影响大和因中性线断开不能保护等缺陷。

按剩余电流工作状况分为A型及AC型:

A型: 突然施加的或缓慢上升的剩余正弦交流电流和剩余脉动电流均能确保脱扣,拓宽了剩余电流保护范围。

AC型: 突然施加的或缓慢上升的剩余正弦交流电流能确保脱扣。

按照延时类型分为一般型和S型:

一般型: 对应于一个给定的剩余电流值,无预定的极限不驱动时间,响应快。

S型: 对应于一个给定的剩余电流值,能达到一个预定的极限不驱动时间,响应较慢。

功能:

当人身触电或电网泄漏电流超过规定值时,剩余电流动作断路器能在极短时间内切断故障电路,保护人身及用电设备的安全。

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 16916.1 IEC/EN 61008-1
GB/T 16916.21 IEC/EN 61008-2-1

资质认证:

VDE, TUV, KC, CCC, CB, CE

CKDL1/2 Electromagnetic Residual Current Circuit Breaker (RCCB)

CKDL1/2电磁式剩余电流动作断路器



CKDL1 1P+N 230V~



Rocker 弧形



Flat 直形

Rated current (A) 额定电流(A)	Rated residual operating current I Δ n (mA) 额定剩余电流 I Δ n(mA)	Rated short-circuit breaking capacity Inc: 10kA 额定短路分断能力Inc: 10kA		Rated short-circuit breaking capacity Inc: 6kA 额定短路分断能力Inc: 6kA	
		Type A A型	Type AC AC型	Type A A型	Type AC AC型
16	10	CKDL1- A1611*	CKDL1- C1611*	CKDL1- A1661*	CKDL1- C1661*
	30	CKDL1- A1613*	CKDL1- C1613*	CKDL1- A1663*	CKDL1- C1663*
	100	CKDL1- A1614*	CKDL1- C1614*	CKDL1- A1664*	CKDL1- C1664*
	300	CKDL1- A1615*	CKDL1- C1615*	CKDL1- A1665*	CKDL1- C1665*
25	10	CKDL1- A2511*	CKDL1- C2511*	CKDL1- A2561*	CKDL1- C2561*
	30	CKDL1- A2513*	CKDL1- C2513*	CKDL1- A2563*	CKDL1- C2563*
	100	CKDL1- A2514☆☆	CKDL1- C2514☆☆	CKDL1- A2564☆☆	CKDL1- C2564☆☆
	300	CKDL1- A2515☆☆	CKDL1- C2515☆☆	CKDL1- A2565☆☆	CKDL1- C2565☆☆
32	30	CKDL1- A3213*	CKDL1- C3213*	CKDL1- A3263*	CKDL1- C3263*
	100	CKDL1- A3214☆☆	CKDL1- C3214☆☆	CKDL1- A3264☆☆	CKDL1- C3264☆☆
	300	CKDL1- A3215☆☆	CKDL1- C3215☆☆	CKDL1- A3265☆☆	CKDL1- C3265☆☆
40	30	CKDL1- A4013*	CKDL1- C4013*	CKDL1- A4063*	CKDL1- C4063*
	100	CKDL1- A4014☆☆	CKDL1- C4014☆☆	CKDL1- ☆A4064*	CKDL1- C4064☆☆
	300	CKDL1- A4015☆☆	CKDL1- C4015☆☆	CKDL1- ☆A4065*	CKDL1- C4065☆☆
63	30	CKDL1- A6313*	CKDL1- C6313*	CKDL1- A6363*	CKDL1- C6363*
	100	CKDL1- A6314☆☆	CKDL1- C6314☆☆	CKDL1- A6364☆☆	CKDL1- C6364☆☆
	300	CKDL1- A6315☆☆	CKDL1- C6315☆☆	CKDL1- A6365☆☆	CKDL1- C6365☆☆
80	30	CKDL1B- A8013*	CKDL1B- C8013*	CKDL1B- A8063*	CKDL1B- C8063*
	100	CKDL1B- A8014☆☆	CKDL1B- C8014☆☆	CKDL1B- A8064☆☆	CKDL1B- C8064☆☆
	300	CKDL1B- A8015☆☆	CKDL1B- C8015☆☆	CKDL1B- A8065☆☆	CKDL1B- C8065☆☆
100	30	CKDL1B- A8413*	CKDL1B- C8413*	CKDL1B- A8463*	CKDL1B- C8463*
	100	CKDL1B- A8414☆☆	CKDL1B- C8414☆☆	CKDL1B- A8464☆☆	CKDL1B- C8464☆☆
	300	CKDL1B- A8415☆☆	CKDL1B- C8415☆☆	CKDL1B- A8465☆☆	CKDL1B- C8465☆☆

Note: * is F: Straight shape (N pole is left) / R: Arc (N pole is left) / FY: Straight (N pole is right) / FR: Arc (N pole is right);
80A, 100A only have the straight, no arc (N pole is left)
☆None: General type S: type S

注: *位表示:F:直形(N极在左侧)/R:弧形(N极在左侧)/FY:直形(N极在右侧)/FY:弧形(N极在右侧) 80A、100A只有直形,无弧形(N极在左侧)
☆位:无:一般型 S:S型

CKDL1/2 Electromagnetic Residual Current Circuit Breaker (RCCB)

CKDL1/2电磁式剩余电流动作断路器



CKDL2 3P+N 400V~



Rocker 弧形



Flat 直形

Rated current (A) 额定电流(A)	Rated residual operating current I Δ n (mA) 额定剩余电流 I Δ n(mA)	Rated short-circuit breaking capacity Inc: 10kA 额定短路分断能力Inc: 10kA		Rated short-circuit breaking capacity Inc: 6kA 额定短路分断能力Inc: 6kA	
		Type A A型	Type AC AC型	Type A A型	Type AC AC型
16	10	CKDL2- A1611*	CKDL2- C1611*	CKDL2- A1661*	CKDL2- C1661*
	30	CKDL2- A1613*	CKDL2- C1613*	CKDL2- A1663*	CKDL2- C1663*
	100	CKDL2- A1614*	CKDL2- C1614*	CKDL2- A1664*	CKDL2- C1664*
	300	CKDL2- A1615*	CKDL2- C1615*	CKDL2- A1665*	CKDL2- C1665*
25	10	CKDL2- A2511*	CKDL2- C2511*	CKDL2- A2561*	CKDL2- C2561*
	30	CKDL2- A2513*	CKDL2- C2513*	CKDL2- A2563*	CKDL2- C2563*
	100	CKDL2- A2514☆☆	CKDL2- C2514☆☆	CKDL2- A2564☆☆	CKDL2- C2564☆☆
	300	CKDL2- A2515☆☆	CKDL2- C2515☆☆	CKDL2- A2565☆☆	CKDL2- C2565☆☆
32	30	CKDL2- A3213*	CKDL2- C3213*	CKDL2- A3263*	CKDL2- C3263*
	100	CKDL2- A3214☆☆	CKDL2- C3214☆☆	CKDL2- A3264☆☆	CKDL2- C3264☆☆
	300	CKDL2- A3215☆☆	CKDL2- C3215☆☆	CKDL2- A3265☆☆	CKDL2- C3265☆☆
40	30	CKDL2- A4013*	CKDL2- C4013*	CKDL2- A4063*	CKDL2- C4063*
	100	CKDL2- A4014☆☆	CKDL2- C4014☆☆	CKDL2- A4064☆☆	CKDL2- C4064☆☆
	300	CKDL2- A4015☆☆	CKDL2- C4015☆☆	CKDL2- A4065☆☆	CKDL2- C4065☆☆
63	30	CKDL2- A6313*	CKDL2- C6313*	CKDL2- A6363*	CKDL2- C6363*
	100	CKDL2- A6314☆☆	CKDL2- C6314☆☆	CKDL2- A6364☆☆	CKDL2- C6364☆☆
	300	CKDL2- A6315☆☆	CKDL2- C6315☆☆	CKDL2- A6365☆☆	CKDL2- C6365☆☆
80	30	CKDL2B- A8013*	CKDL2B- C8013*	CKDL2B- A8063*	CKDL2B- C8063*
	100	CKDL2B- A8014☆☆	CKDL2B- C8014☆☆	CKDL2B- A8064☆☆	CKDL2B- C8064☆☆
	300	CKDL2B- A8015☆☆	CKDL2B- C8015☆☆	CKDL2B- A8065☆☆	CKDL2B- C8065☆☆
100	30	CKDL2B- A8413*	CKDL2B- C8413*	CKDL2B- A8463*	CKDL2B- C8463*
	100	CKDL2B- A8414☆☆	CKDL2B- C8414☆☆	CKDL2B- A8464☆☆	CKDL2B- C8464☆☆
	300	CKDL2B- A8415☆☆	CKDL2B- C8415☆☆	CKDL2B- A8465☆☆	CKDL2B- C8465☆☆

Note: * is F: Straight shape (N pole is left) / R: Arc (N pole is left) / FY: Straight (N pole is right) / FR: Arc (N pole is right);
80A, 100A only have the straight, no arc (N pole is left)
☆None: General type S: type S

注: *位表示:F:直形(N极在左侧)/R:弧形(N极在左侧)/FY:直形(N极在右侧)/FY:弧形(N极在右侧) 80A、100A只有直形,无弧形(N极在左侧)
☆位:无:一般型 S:S型

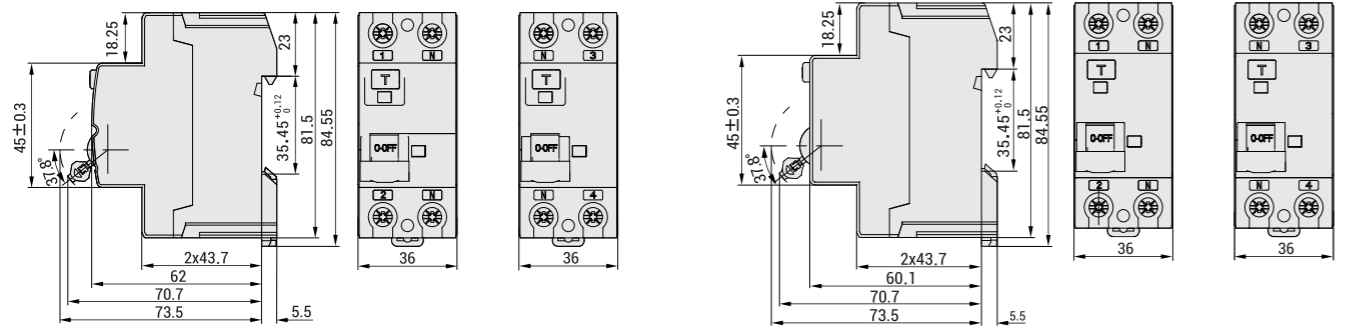
CKDL1/2 Electromagnetic Residual Current Circuit Breaker (RCCB)

CKDL1/2电磁式剩余电流动作断路器



Reference Size / 外形尺寸 (mm)

1-63A

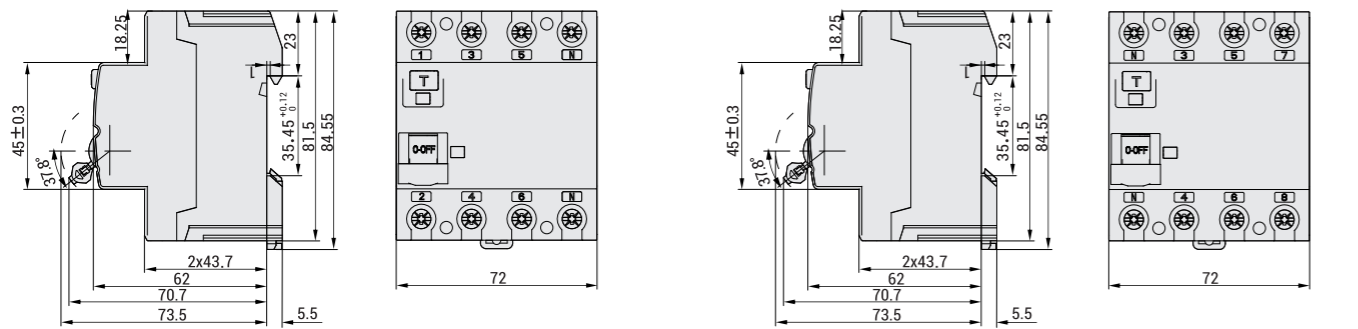


1P+N, 16-63A
Flat,
N pole on the right
弧形, N极在右侧

1P+N, 25-63A
Rocker,
N pole on the left
弧形, N极在左侧

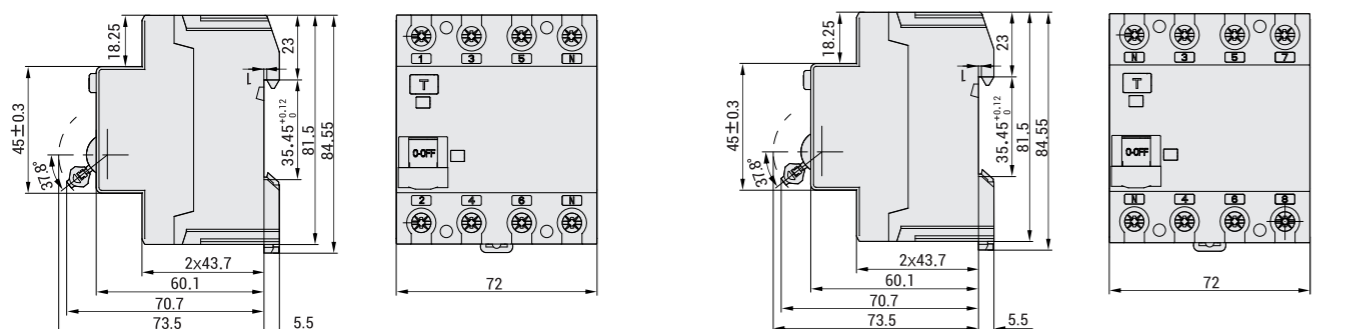
1P+N, 16-63A
Flat,
N pole on the right
直形, N极在右侧

1P+N, 25-63A
Flat,
N pole on the left
直形, N极在左侧



3P+N, 16-63A
Rocker, N pole on the right
弧形, N极在右侧

3P+N, 16-63A
Rocker, N pole on the left
弧形, N极在左侧



3P+N, 16-63A
Flat, N pole on the right
直形, N极在右侧

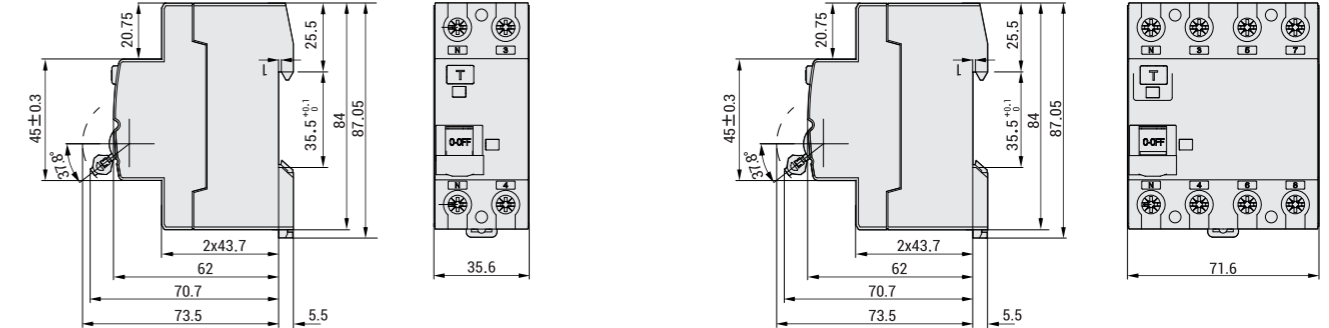
3P+N, 16-63A
Flat, N pole on the left
直形, N极在左侧

CKDL1/2 Electromagnetic Residual Current Circuit Breaker (RCCB)

CKDL1/2电磁式剩余电流动作断路器

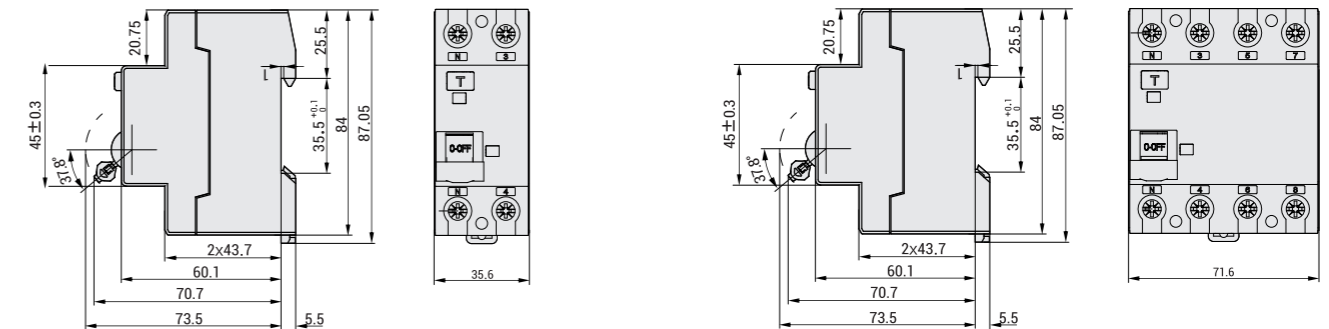


80-100A



1P+N, 80-100A
Rocker, N pole on the left
弧形, N极在左侧

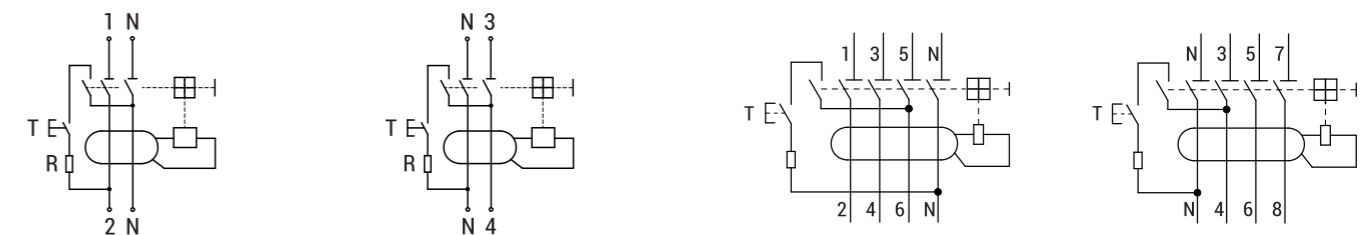
3P+N, 80-100A
Rocker, N pole on the left
弧形, N极在左侧



1P+N, 80-100A
Flat, N pole on the left
直形, N极在左侧

3P+N, 80-100A
Flat, N pole on the left
直形, N极在左侧

Function / 功能



1P+N, N pole on the right
1P+N, N极在右侧

1P+N, N pole on the left
1P+N, N极在左侧

3P+N, N pole on the right
3P+N, N极在右侧

3P+N, N pole on the left
3P+N, N极在左侧

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 Δ n(mA) 额定剩余电流 I Δ 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	<input type="checkbox"/> 1P+N	<input type="checkbox"/> 16 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 63 <input type="checkbox"/> 80 <input type="checkbox"/> 100	<input type="checkbox"/> 10 <input type="checkbox"/> 30 <input type="checkbox"/> 100 <input type="checkbox"/> 300	<input type="checkbox"/> A <input type="checkbox"/> AC		<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDL2	<input type="checkbox"/> 3P+N	<input type="checkbox"/> 16 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 63 <input type="checkbox"/> 80 <input type="checkbox"/> 100	<input type="checkbox"/> 10 <input type="checkbox"/> 30 <input type="checkbox"/> 100 <input type="checkbox"/> 300	<input type="checkbox"/> A <input type="checkbox"/> AC		<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDL7	<input type="checkbox"/> 1P+N	<input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 63	<input type="checkbox"/> 30 <input type="checkbox"/> 100 <input type="checkbox"/> 300	<input type="checkbox"/> B		<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDL8	<input type="checkbox"/> 3P+N	<input type="checkbox"/> 16 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 63 <input type="checkbox"/> 80	<input type="checkbox"/> 30 <input type="checkbox"/> 100 <input type="checkbox"/> 300	<input type="checkbox"/> B		<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB8	<input type="checkbox"/> 1P+N	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 50	<input type="checkbox"/> 30	<input type="checkbox"/> A <input type="checkbox"/> AC	<input type="checkbox"/> B <input type="checkbox"/> C	<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB9	<input type="checkbox"/> 1P+N	<input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32	<input type="checkbox"/> 30	<input type="checkbox"/> A <input type="checkbox"/> AC	<input type="checkbox"/> B <input type="checkbox"/> C	<input type="checkbox"/> 6kA	<input type="text"/> 台
CKDB10	<input type="checkbox"/> 2P	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32	<input type="checkbox"/> 30 <input type="checkbox"/> 100 <input type="checkbox"/> 300	<input type="checkbox"/> A <input type="checkbox"/> AC	<input type="checkbox"/> B <input type="checkbox"/> C	<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB17	<input type="checkbox"/> 1P+N	<input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 63	<input type="checkbox"/> 30 <input type="checkbox"/> 100 <input type="checkbox"/> 300	<input type="checkbox"/> A <input type="checkbox"/> AC	<input type="checkbox"/> B <input type="checkbox"/> C	<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDF1	<input type="checkbox"/> 1P+N	<input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40			<input type="checkbox"/> B <input type="checkbox"/> C	<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB2	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 63			<input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> K	<input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB7	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 63			<input type="checkbox"/> B <input type="checkbox"/> C <input type="checkbox"/> D <input type="checkbox"/> K	<input type="checkbox"/> 6kA	<input type="text"/> 台
CKDB3	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4 <input type="checkbox"/> 5 <input type="checkbox"/> 6 <input type="checkbox"/> 8 <input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 63			<input type="checkbox"/> J <input type="checkbox"/> R <input type="checkbox"/> K	<input type="checkbox"/> 6kA <input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB18PV	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 10 <input type="checkbox"/> 13 <input type="checkbox"/> 16 <input type="checkbox"/> 20 <input type="checkbox"/> 25 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 50 <input type="checkbox"/> 63			<input type="checkbox"/> K	<input type="checkbox"/> 10kA	<input type="text"/> 台
CKDB11H	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 125			<input type="checkbox"/> K	<input type="checkbox"/> 10kA	<input type="text"/> 台
CKDG2	<input type="checkbox"/> 1 <input type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/> 4	<input type="checkbox"/> 16 <input type="checkbox"/> 32 <input type="checkbox"/> 40 <input type="checkbox"/> 63 <input type="checkbox"/> 80 <input type="checkbox"/> 100 <input type="checkbox"/> 125					<input type="text"/> 台

KEDU

40 years brand, over 16,000 products,

For more product range details,

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40年品牌, 16000多个产品,

了解更多产品系列,

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