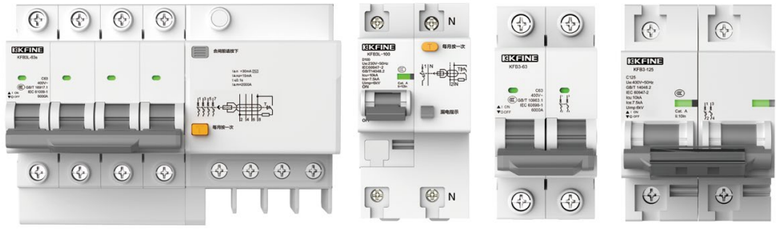
成熟品质
智能防护

MATURE QUALITY SMART PROTECTION

KF3 SERIES OF MINIATURE CIRCUIT BREAKER

KF3系列小型断路器



- 贴心设计：
  外观简洁大方，无缝式外壳，使用舒适安全。
- 安装便捷：
  隧道式接线端子压接更可靠。
- 材料工艺：
  双稳态卡扣便捷拆装，双稳态卡扣可在两个位置固定，方便拆卸。
- 内部结构：
  精心采用高品质金属材料，采用先进加工处理工艺，彰显名牌本色。
- 产品系列齐全：
  具有过载保护、短路保护、过欠压保护、漏电保护等保护功能的断路器。

- Intimate design:
  Simple and generous appearance, seamless shell, comfortable and safe to use.
- Convenient installation:
  Tunnel type connecting terminal is more reliable;
- Materials technology:
  The bistable buckle is easy to disassemble. The bistable buckle can be fixed in two positions for convenient disassembly.
- Internal structure:
  Elaborate use of high-quality metal materials, the use of advanced processing technology, highlighting the brand quality;
- Product series is complete:
  Circuit breaker with overload protection, short circuit protection, overvoltage and undervoltage protection, leakage protection and other protection functions.

KF3系列小型断路器

KFD3-32系列“相线+中性线”小型断路器
KFD3-32 series "phase + neutral line" miniature circuit breaker 01

KFD3L-32系列“相线+中性线”小型漏电保护断路器
KFD3L-32 Series "phase + neutral line" miniature leakage protection circuit breakers 04

KFB3-63系列小型断路器
KFB3-63 series of miniature circuit breaker 07

KFB3L-63s系列小型漏电保护断路器
KFB3L-63s series of miniature leakage protection circuit breaker 11

KFB3-80(H）系列小型断路器
KFB3-80(H） series of miniature circuit breaker 17

KFB3LY-80系列小型漏电断路器
KFB3LY-80 series of miniature leakage protection circuit breaker 21

KFB3-63Z系列直流小型断路器
KFB3-63Z Series DC miniature circuit breaker 27

KFB3-125系列小型断路器
KFB3-125 series of miniature circuit breaker 31

KFB3L-100系列小型漏电保护断路器
KFB3L-100 series of miniature leakage protection circuit breaker 35

小型断路器高度、温度修正系数表
Table of correction factors for height and temperature of miniature circuit breaker 41

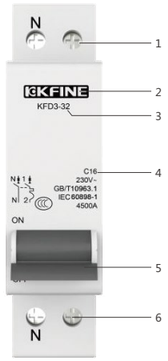
小型断路器附件
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KFG3-100系列隔离开关
KFG3-100 series disconnector 46

KFB3GQZ系列自复式过欠压保护器
KFB3GQZ series self resetting overvoltage and undervoltage protector 49

KF3 SERIES OF MINIATURE CIRCUIT BREAKER
KF3系列小型断路器

KFD3-32系列“相线+中性线”小型断路器 KFD3-32 series "phase + neutral line" Miniature Circuit Breaker



1	进线端	1 Power end
2	品牌	2 Brand
3	型号	3 Model
4	瞬时脱扣特性、额定电流	4 Instantaneous tripping characteristics and rated current
5	手柄	5 Handle
6	出线端	6 Load terminal

特性 Characteristic

用途及特点 Uses and Features

- 适用于民用住宅、工业、建筑等领域的低压终端配电
  Applicable to the residential, industrial, construction and other low-voltage terminal power distribution
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation
- 可以同时切断相线和中性线，但对中性线不提供保护
  The phase line and neutral line can be cut off at the same time, but the neutral line is not protected

符合标准 Standards compliant

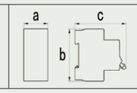
符合GB/T 10963.1和IEC/EN 60898-1 Comply with GB/T 10963.1 and IEC / EN 60898-1

型号及含义 Model and meaning

KF D 3 - 32 □ □ / □

- 极数：1P+N
  Number of poles：1P + N
- 额定电流：6A、10A、16A、20A、25A、32A
  Rated current：6A, 10A, 16A, 20A, 25A, 32A
- 瞬时脱扣特性：C型
  Instantaneous tripping characteristic：C type
- 壳架等级：32A
  Frame size：32A
- 设计序号：3
  Design：No. 3
- 产品代号：“相线+中性线”小型断路器 D
  Product Code: "phase line + neutral line" miniature circuit breaker D
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Enterprise code：KF (Jiangsu Daquan Kaifan switch Co., Ltd.)

技术参数 Technical Parameters

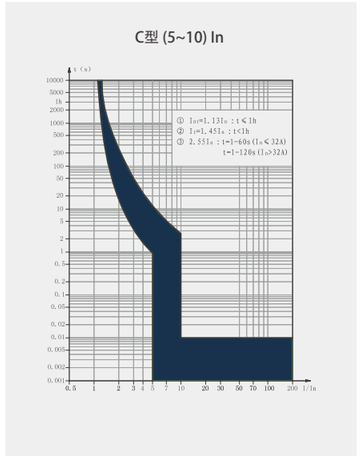
KFD3-32 系列“相线+中性线”小型断路器 KFD3-32 series "phase + neutral line" Miniature Circuit Breaker			
一般配电保护用 General Distribution protection (GB/T 10963.1 and IEC / EN 60898-1)			
极数 Poles			1P+N（N极在左侧）The N pole is on the left
电气性能 Electrical performance			
功能 Features			短路保护、过载保护、隔离、控制 Short circuit protection, overload protection, isolation, control
额定频率 Rated frequency	f	（Hz）	50/60
额定工作电压 Rated working voltage	Ue	（VAC）	230
额定工作电流 Rated current	In	（A）	6、10、16、20、25、32
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	250
冲击耐受电压 Impulse withstand voltage	Uimp	（kV）	2.5
瞬时脱扣类型 Instantaneous tripping type			C
分断能力 Breaking capacity	Icn	（kA）	4.5(Ics=100%Icn)
脱扣器类型 Type of trip			热磁式 Thermal Magnetic
预期使用寿命 Expected service life	机械 Mechanical		20000
	电气 Electric		10000
控制与指示 Control and indication			
辅助触头 Auxiliary contacts			–
报警触头 Alarm contacts			–
分励脱扣器 Shunt release			–
过欠压脱扣器 Overvoltage and undervoltage release			–
连接与安装 Connection and installation			
防护等级 Protection class			IP20
接线能力 Connection capacity	（mm^2）		1~16
使用环境温度 Ambient temperature	（℃）		-35~+70
抗湿热性 Kangshire sex			2类 Class 2
海拔 Altitude	(m)		≤2000
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%
污染等级 Pollution Level			2
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place
安装类别 Installation category			Ⅲ级 Grade Ⅲ
安装方式 Installation			TH35mmx7.5mm标准导轨
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	18
		b	78
		c	76
重量 Weight（kg）			0.1
■标准配置 Standard □可选 Optional configuration -无 No			

特性曲线 characteristic curve

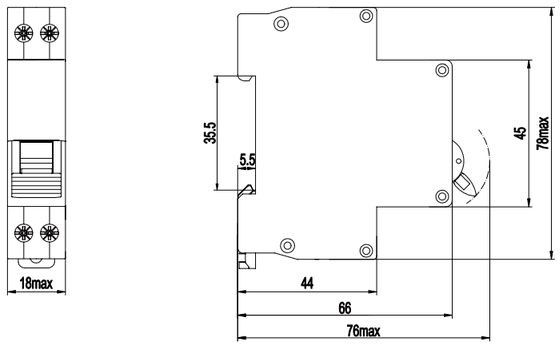
■ C型曲线
C-type curve

保护常规负载和配电线缆
Protect conventional loads and distribution cables

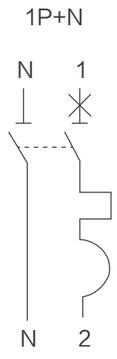
脱扣特性：瞬时脱扣范围5In~10In
Tripping characteristics: instantaneous tripping range 5in ~ 10In



外形与安装尺寸 Outline and installation dimensions



电气线路图 Electrical wiring diagram



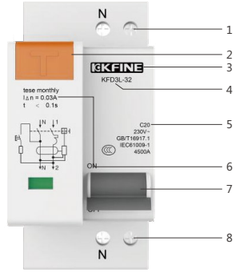
订货举例 Ordering example

产品型号：KFD3-32 C16A/1P+N
表示：KFD3-32系列小型断路器,4.5kA分断,C型脱扣曲线,额定电流16A,1P+N产品。

Product model: KFD3-32 C16A / 1P + N
Indicates: KFD3-32 series miniature circuit breaker, 4.5kA breaking, C-type tripping curve, rated current 16A, 1P + N product.

KFD3L-32系列“相线+中性线”小型漏电保护断路器

KFD3L-32 Series "phase + neutral line" miniature leakage protection circuit breakers



1	进线端	1 Power end
2	测试按钮	2 Test button
3	品牌	3 Brand
4	型号	4 Models
5	瞬时脱扣特性、额定电流	5 Instantaneous tripping characteristics and rated current
6	额定剩余电流	6 Rated residual current
7	手柄	7 Handle
8	出线端	8 Load terminal

特性 Characteristic

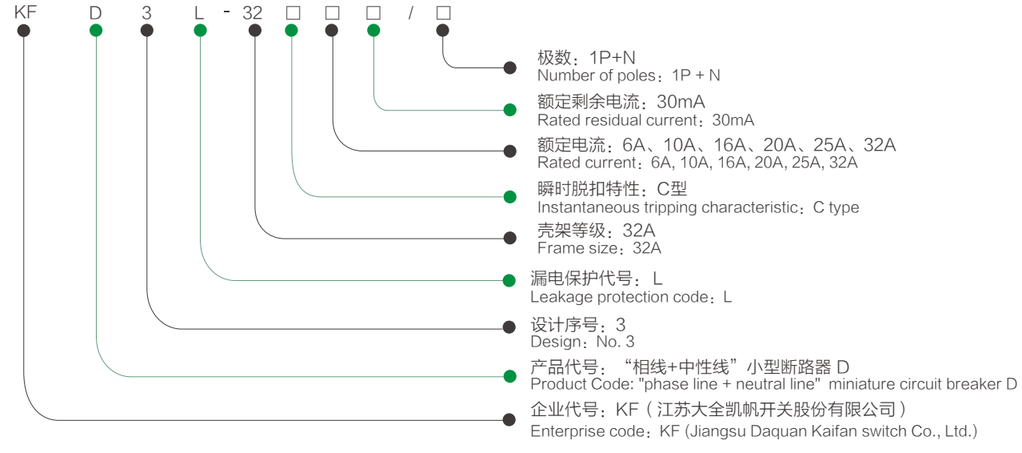
用途及特点 Uses and Features

- 适用于民用住宅、工业、建筑等领域的低压终端配电
  Applicable to the residential, industrial, construction and other low-voltage terminal power distribution
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation
- 可以同时切断相线和中性线，但对中性线不提供保护功能
  It can also cut off the phase and neutral line, but does not provide protection for the neutral function
- 对电器设备的绝缘故障提供保护
  Electrical equipment for insulation fault protection
- 对直接接触提供人身保护，对间接接触提供补充人身保护
  Direct contact with the physical protection, provide additional personal protection against indirect contact

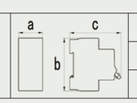
符合标准 Standards compliant

符合GB/T 16917.1和IEC/EN 61009-1 Comply with GB/T 16917.1 and IEC / EN 61009-1

型号及含义 Model and meaning



技术参数 Technical Parameters

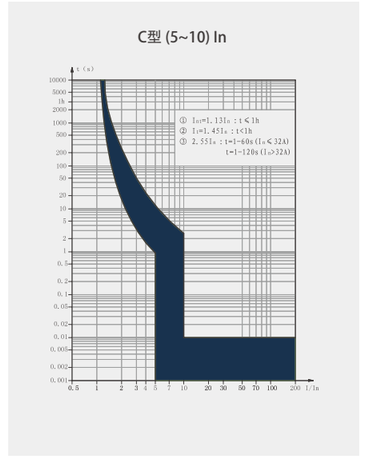
KFD3L-32 系列“相线+中性线”小型漏电保护断路器 KFD3L-32 Series "phase + neutral line" miniature leakage protection circuit breakers			
一般配电保护用 General Distribution protection （GB 16917.1; IEC/EN61009-1）			
极数 Poles			1P+N （N极在左侧） The N pole is on the left
电气性能 Electrical performance			
功能 Features			短路保护、过载保护、隔离、控制 Short circuit protection, overload protection, isolation, control
额定频率 Rated frequency	f	（Hz）	50/60
额定工作电压 Rated working voltage	Ue	（VAC）	230
额定工作电流 Rated current	In	（A）	6、10、16、20、25、32
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	230
额定剩余动作电流 Rated residual operating current	I△n	（mA）	30
剩余电流类型 Residual current type			AC
额定剩余电流时分断时间 Rated residual current division-off time	t	（s）	≤0.1
额定剩余接通和分断能力 Rated residual making and breaking capacity	(I△m)	（A）	2000
额定冲击耐受电压 Rated impulse withstand voltage	Uimp	（kA）	2.5
瞬时脱扣类型 Instantaneous tripping type			C
分断能力 Breaking capacity	Icn	（kA）	4.5（Ics=100%Icn）
脱扣器类型 Type of trip			热磁式 Thermal Magnetic
预期使用寿命 Expected service life	机械 Mechanical		16000
	电气 Electric		8000
控制与指示 Control and indication			
辅助触头 Auxiliary contacts			-
报警触头 Alarm contacts			-
分励脱扣器 Shunt release			-
过欠压脱扣器 Overvoltage and undervoltage release			-
连接与安装 Connection and installation			
防护等级 Protection class			IP20
接线能力 Connection capacity		（mm^2）	1~16
使用环境温度 Ambient temperature		（℃）	-35~+70
抗湿热性 Kangshire sex			2类 Class 2
海拔 Altitude		(m)	≤2000
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%
污染等级 Pollution Level			2
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place
安装类别 Installation category			Ⅲ级 Grade Ⅲ
安装方式 Installation			TH35mmx7.5mm标准导轨
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	36
		b	78
		c	76
重量 Weight（kg）			0.17
■标准配置 Standard □可选 Optional configuration -无 No			

特性曲线 characteristic curve

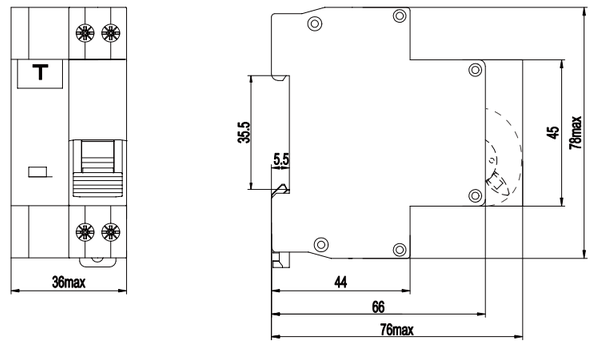
■ C型曲线
C-type curve

保护常规负载和配电线缆
Protect conventional loads and distribution cables

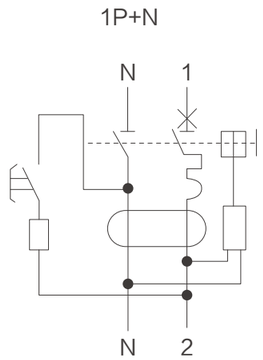
脱扣特性：瞬时脱扣范围5In~10In
Tripping characteristics: instantaneous tripping range 5in ~ 10In



外形与安装尺寸 Outline and installation dimensions



电气线路图 Electrical wiring diagram

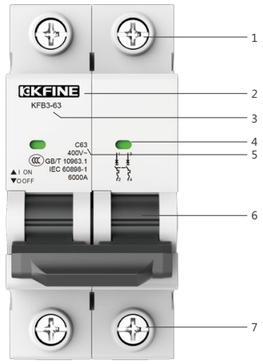


订货举例 Ordering example

产品型号：KFD3L-32 C20A 30mA/1P+N
表示：KFD3L-32系列小型剩余电流动作断路器,4.5kA分断,C型脱扣曲线,额定电流20A,额定剩余动作电流30mA,剩余脱扣电流类型为AC型,1P+N产品。

Product model: KFD3L-32 C20A 30mA / 1P + N
Indicates: KFD3L-32 series miniature leakage protection circuit breaker, 4.5kA breaking, C-type tripping curve, rated current 20A, rated residual operating current 30mA, residual tripping current type AC, 1P + N product.

KFB3-63系列小型断路器　KFB3-63 series of miniature circuit breaker



1	进线端	1 Power end
2	品牌	2 Brand
3	型号	3 Model
4	视窗	4 Windows
5	瞬时脱扣特性、额定电流	5 Instantaneous tripping characteristics and rated current
6	手柄	6 Handle
7	出线端	7 Load terminal

特性　Characteristic

用途及特点 Uses and Features

- 适用于民用住宅、工业、建筑等领域的低压终端配电
  Applicable to the residential, industrial, construction and other low-voltage terminal power distribution
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation

符合标准　Standards compliant

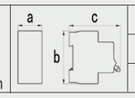
符合GB/T 10963.1和IEC/EN 60898-1
Comply with GB/T 10963.1 and IEC / EN 60898-1

型号及含义　Model and meaning

KF　B　3　-　63　□　□　/　□

- 极数：1P/1P+N/2P/3P/3P+N/4P
  Number of poles 1P/1P+N/2P/3P/3P+N/4P
- 额定电流：1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A
  Rated current：1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A
- 瞬时脱扣特性：B型/C型/D型
  Instantaneous tripping characteristics：type B / type C / type D
- 壳架等级：63A
  Frame size：63A
- 设计序号：3
  Design：No. 3
- 产品代号：小型断路器B
  Product Code: miniature circuit breaker "phase line + neutral line" B
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Corporate code：KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

技术参数　Technical Parameters

KFB3-63 系列小型断路器　KFB3-63 series miniature circuit breaker							
一般配电保护用 General Distribution protection (GB/T 10963.1 、IEC / EN 60898-1)							
极数 Poles			1P	1P+N	2P	3P	3P+N	4P
电气性能 Electrical performance								
功能 Features			短路保护、过载保护、隔离、控制 Short circuit protection, overload protection, isolation, control					
额定频率 Rated frequency	f	（Hz）	50/60					
额定工作电压 Rated working voltage	Ue	（VAC）	230/400		400			
额定工作电流 Rated current	In	（A）	1、2、3、4、5、6、10、16、20、25、32、40、50、63					
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	500					
冲击耐受电压 Impulse withstand voltage	Uimp	（kV）	4					
瞬时脱扣类型 Instantaneous tripping type			B / C / D					
分断能力 Breaking capacity	Icn	(kA)	6 (Ics=100%Icn)					
脱扣器类型 Type of trip			热磁式 Thermal Magnetic					
预期使用寿命 Expected service life	机械 Mechanical		20000					
	电气 Electric		10000					
控制与指示 Control and indication								
辅助触头 Auxiliary contacts　OF			□					
报警触头 Alarm contacts　SD			□					
分励脱扣器 Shunt release　MX+OF			□					
过欠压脱扣器 Overvoltage and undervoltage release　MN+MV			□					
连接与安装 Connection and installation								
防护等级 Protection class			IP20					
接线能力 Connection capacity	（mm^2）		1~25					
使用环境温度 Ambient temperature	（℃）		-35~+70					
抗湿热性 Kangshire sex			2类					
海拔 Altitude	(m)		≤2000					
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%					
污染等级 Pollution Level			3					
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place					
安装类别 Installation category			Ⅲ级 Grade Ⅲ					
安装方式 Installation			TH35mmx7.5mm标准导轨					
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	18		36		54	72
		b	80		80		80	80
		c	79		79		79	79
重量 Weight （kg）			0.12		0.24		0.36	0.48

■标准配置 Standard　□可选 Optional configuration　-无 No

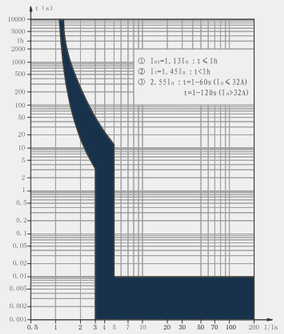
特性曲线 characteristic curve

■ B型曲线
Type B curve

保护短路电流小的负载（如无感或微感电路）
Protect loads with small short-circuit current
(such as non inductive or micro inductive circuits)

脱扣特性：瞬时脱扣范围3In~5In
Tripping characteristics: instantaneous tripping range 3in ~ 5in

B型 (3~5) In

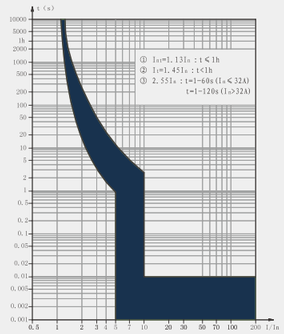


■ C型曲线
C-type curve

保护常规负载和配电线缆
Protect conventional loads and distribution cables

脱扣特性：瞬时脱扣范围5In~10In
Tripping characteristics: instantaneous tripping range 5in ~ 10In

C型 (5~10) In

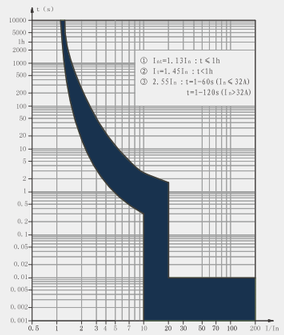


■ D型曲线
D-type curve

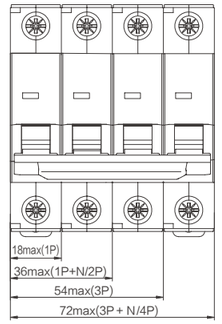
保护启动电流大的冲击性负载（如电动机、变压器等）
Protect impulse loads with large starting current
(such as motor, transformer, etc.)

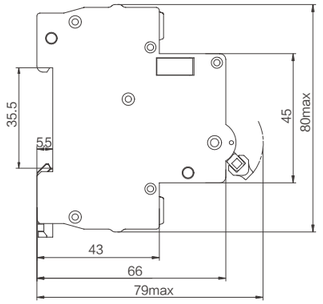
脱扣特性：瞬时脱扣范围10In~20In
Tripping characteristics: instantaneous tripping range 10In ~ 20in

D型 (10~20) In

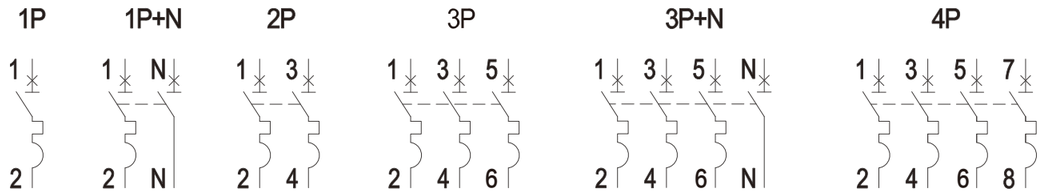


外形与安装尺寸 Outline and installation dimensions





KFB3-63电气线路图 KFB3-63 Electrical wiring diagram



附件选配表 Accessories selection table

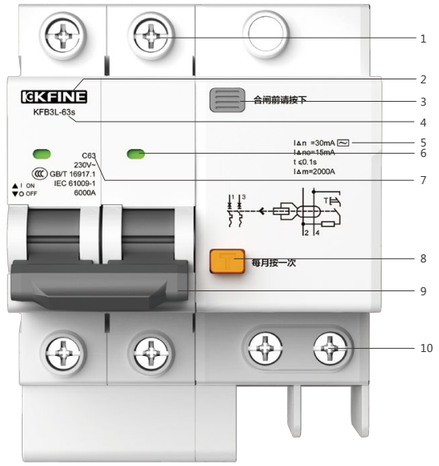
序号 NO.	名称 Name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	报警触头 Alarm contact	SD	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker, and the loading is no more than 2
3	分励脱扣器 Shunt release	MX+OF	加载于小型断路器左侧，指示断路器故障脱扣状态及远程分断控制，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker and remote breaking control. At most one can be loaded
4	过欠压脱扣器 Overvoltage and undervoltage release	MN+MV	加载于小型断路器左侧，对线路过压欠压故障进行保护，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to protect the line overvoltage and undervoltage fault. At most one can be loaded

备注：安装位置详见第42页小型断路器附件内容。
Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.

订货举例 Ordering example

产品型号：KFB3-63 C63A/2P 表示：KFB3-63系列小型断路器,6kA分断,C型脱扣曲线,额定电流63A,2P产品。
Product model: KFB3-63 C63A / 2P Indicates: KFB3-63 series miniature circuit breaker, 6kA breaking, C-type tripping curve, rated current 63A, 2P product.

KFB3L-63s系列小型漏电保护断路器 KFB3L-63s series of miniature leakage protection circuit breaker



1 进线端
2 品牌
3 复位按钮
4 型号
5 额定剩余电流、剩余电流类型
6 视窗
7 额定电流、瞬时脱扣特性
8 测试按钮
9 手柄
10 出线端

1 Power end
2 Brand
3 Reset button
4 Model
5 Rated residual current, residual current type
6 Windows
7 Rated current and instantaneous tripping characteristics
8 Test button
9 Handle
10 Load terminal

特性 Characteristic

用途及特点 Uses and Feature

- 适用于民用住宅、工业、建筑等领域的低压终端配电
  Applicable to the residential, industrial, construction and other low-voltage terminal power distribution
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation
- 对电器设备的绝缘故障提供保护
  Electrical equipment for insulation fault protection
- 对直接接触提供人身保护；对间接接触提供补充人身保护
  Direct contact with the physical protection; provide additional personal protection against indirect contact

符合标准 Standards compliant

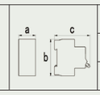
符合GB/T 16917.1和IEC/EN 61009-1 Comply with GB/T 16917.1 and IEC / EN 61009-1

型号及含义 Model and meaning

KF B 3 L - 63 s □ □ □ / □ / □

- 剩余电流类型：无：AC型；A：A型
  Residual current type: none：AC type; A：Type A
- 极数：Poles 1P+N/2P/3P/3P+N/4P
- 额定剩余电流：Rated residual current:
  30mA,50mA,100mA,300mA
- 额定电流：1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A
  Rated current: 1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A
- 瞬时脱扣特性：B型/C型/D型
  Instantaneous tripping characteristics: type B / type C / type D
- 设计代号:s
  Design code:s
- 壳架等级:63A
  Frame size:63A
- 漏电保护代号:L
  Leakage protection code:L
- 设计序号:3
  Design:No. 3
- 产品代号:小型断路器B
  Product Code: miniature circuit breaker B
- 企业代号:KF（江苏大全凯帆开关股份有限公司）
  Corporate code:KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

技术参数 Technical Parameters

KFB3L-63s系列小型漏电保护断路器 KFB3L-63s series of miniature leakage protection circuit breaker							
一般配电保护用 General Distribution protection （GB/T 16917.1; IEC/EN 61009-1）							
极数 Poles			1P+N	2P	3P	3P+N	4P
电气性能 Electrical performance							
功能 Features			短路保护、过载保护、漏电保护、隔离、控制 Short circuit protection, overload protection, leakage protection, isolation, control				
额定频率 Rated frequency	f	（Hz）	50/60				
额定工作电压 Rated working voltage	Ue	（VAC）	230		400		
额定工作电流 Rated current	In	（A）	1、2、3、4、5、6、10、16、20、25、32、40、50、63				
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	500				
额定剩余动作电流 Rated residual operating current	I△n	（mA）	30、50、100、300				
剩余电流类型 Residual current type			AC、A				
额定剩余电流时分断时间 Rated residual current division-off time	t	（s）	≤0.1				
额定剩余接通和分断能力 Rated residual making and breaking capacity	（I△m）	（A）	2000				
额定冲击耐受电压 Rated impulse withstand voltage	Uimp	（kV）	4				
瞬时脱扣类型 Instantaneous tripping type			B / C / D				
分断能力 Breaking capacity	Icn	(kA)	6（Ics=100%Icn）				
脱扣器类型 Type of trip			热磁式				
预期使用寿命 Expected service life	机械 Mechanical		20000				
	电气 Electric		10000				
控制与指示 Control and indication							
辅助触头 Auxiliary contacts	OF		□				
报警触头 Alarm contacts	SD		□				
分励脱扣器 Shunt release	MX+OF		□				
过欠压脱扣器 Undervoltage release	MN+MV		□				
连接与安装 Connection and installation							
防护等级 Protection class			IP20				
接线能力 Connection capacity		（mm2）	1~25				
使用环境温度 Ambient temperature		（℃）	-35~+70				
抗湿热性 Kangshire sex			2类				
海拔 Altitude		(m)	≤2000				
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%				
污染等级 Pollution Level			3				
安装环境 Installation Environment			无显著震动和冲击的地方				
安装类别 Installation category			Ⅲ级				
安装方式 Installation			TH35mmx7.5mm标准导轨				
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		1~32A/40~63A	45/51	63/69	90/99	99/111	117/129
		b	94	94	94	94	94
		c	79	79	79	79	79
重量 Weight（kg）			0.2	0.3	0.47	0.5	0.62
■ 标准配置 Standard □可选 Optional configuration -无 No							

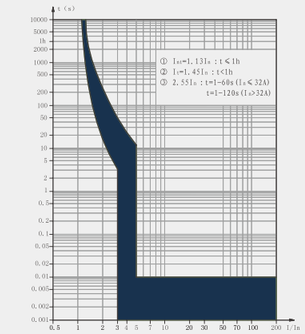
特性曲线 characteristic curve

■ B型曲线
Type B curve

保护短路电流小的负载（如无感或微感电路）
Protect loads with small short-circuit current
(such as non inductive or micro inductive circuits)

脱扣特性：瞬时脱扣范围3In~5In
Tripping characteristics: instantaneous tripping range 3in ~ 5in

B型 (3~5) In

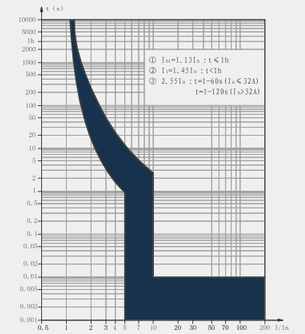


■ C型曲线
C-type curve

保护常规负载和配电线缆
Protect conventional loads and distribution cables

脱扣特性：瞬时脱扣范围5In~10In
Tripping characteristics: instantaneous tripping range 5in ~ 10In

C型 (5~10) In

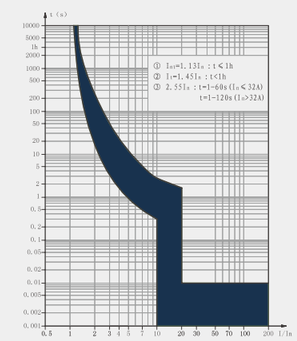


■ D型曲线
D-type curve

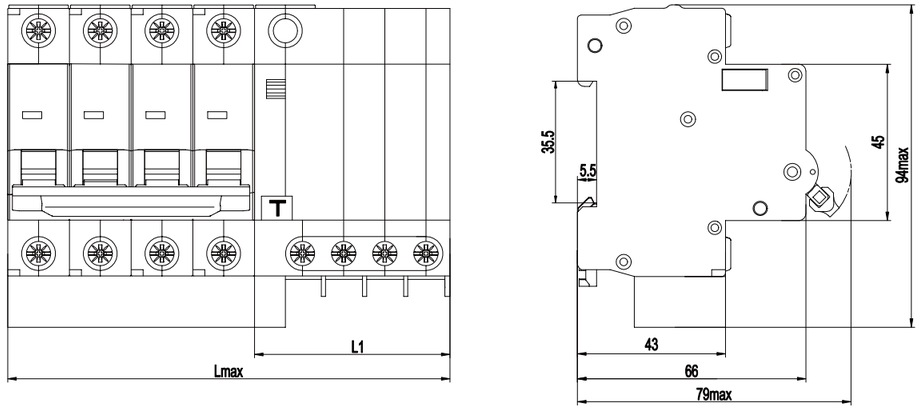
保护启动电流大的冲击性负载（如电动机、变压器等）
Protect impulse loads with large starting current
(such as motor, transformer, etc.)

脱扣特性：瞬时脱扣范围10In~20In
Tripping characteristics: instantaneous tripping range 10In ~ 20in

D型 (10~20) In

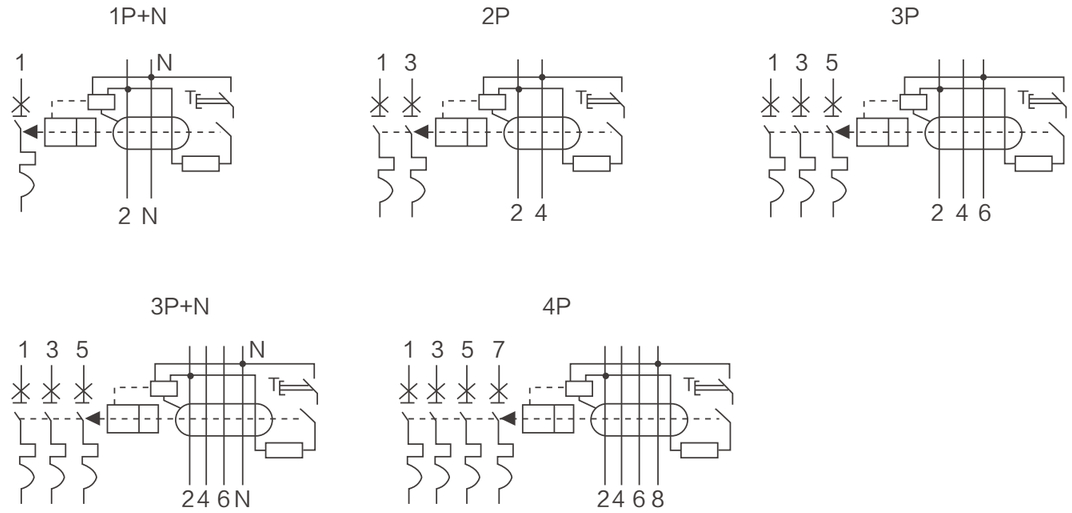


外形与安装尺寸　Outline and installation dimensions



额定电流（A） Rated current (a)	宽度 width	极数 Number of poles				
		1P + N	2P	3P	3P + N	4P
≤32	L 1	27	27	36	45	45
40、50、63		33	33	45	57	57
≤32	L max	45	63	90	99	117
40、50、63		51	69	99	111	129

电气线路图　Electrical wiring diagram



附件选配表　Accessories selection table

序号 NO.	名称 name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	报警触头 Alarm contact	SD	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker, and the loading is no more than 2
3	分励脱扣器 Shunt release	MX+OF	加载于小型断路器左侧，指示断路器故障脱扣状态及远程分断控制，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker and remote breaking control. At most one can be loaded
4	过欠压脱扣器 Overvoltage and undervoltage release	MN+MV	加载于小型断路器左侧，对线路过压、欠压故障进行维护，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to maintain the line overvoltage and undervoltage faults. At most one can be loaded

备注：安装位置详见第42页小型断路器附件内容。

Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.

订货举例　Ordering example

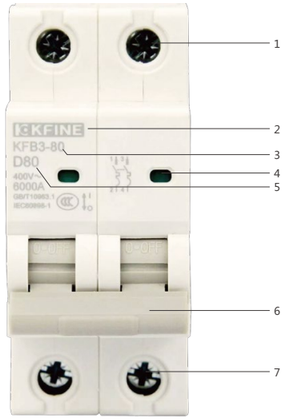
产品型号：KFB3L-63 C63A 30mA/2P

表示：KFB3L-63系列小型漏电断路器，6kA分断，C型脱扣曲线，额定电流63A，额定剩余电流30mA，剩余脱扣电流类型为AC型，2P产品。

Product model: KFB3L-63 C63A 30mA / 2P

Indicates: KFB3L-63 series miniature leakage protection circuit breaker, 6kA breaking, C-type tripping curve, rated current 63A, rated residual current 30mA, residual tripping current type AC, 2P product.

KFB3-80(H)系列小型断路器 KFB3-80(H) series of miniature circuit breaker



1	进线端	1 Power end
2	品牌	2 Brand
3	型号	3 Model
4	视窗	4 Windows
5	瞬时脱扣特性、额定电流	5 Instantaneous tripping characteristics and rated current
6	手柄	6 Handle
7	出线端	7 Load terminal

特性 Characteristic

用途及特点 Uses and Features

- 适用于民用住宅、工业、建筑等领域的低压终端配电
  Applicable to the residential, industrial, construction and other low-voltage terminal power distribution
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation

符合标准 Standards compliant

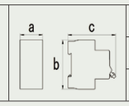
符合GB/T 10963.1和IEC/EN 60898-1
Comply with GB/T 10963.1 and IEC / EN 60898-1

型号及含义 Model and meaning

KF B 3 - 80 H □ □ / □

- 极数：1P/2P/3P/4P
  Number of poles：1P/2P/3P/4P
- 额定电流：1A、3A、6A、10A、16A、20A、25A、32A、40A、50A、63A、80A
  Rated current：1A、3A、6A、10A、16A、20A、25A、32A、40A、50A、63A、80A
- 瞬时脱扣特性：B型/C型/D型
  Instantaneous tripping characteristic：B type/C type/D type
- 分断能力代号：无：6kA；H：高分断10kA
  Breaking capacity code：None: 6kA; H: High breaking 10kA
- 壳架等级：80A
  Frame size：80A
- 设计序号：3
  Design：No. 3
- 产品代号：小型断路器 B
  Product Code：miniature circuit breakers B
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Corporate code：KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

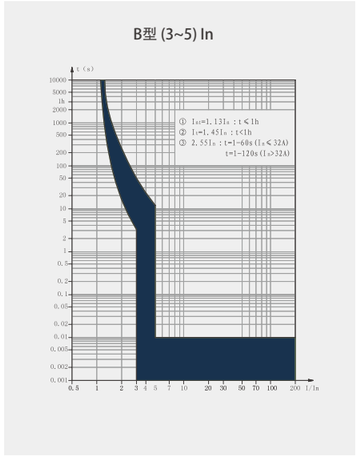
技术参数 Technical Parameters

KFB3-80（H）系列小型断路器 KFB3-80 (H) series miniature circuit breaker						
一般配电保护用 General Distribution protection (GB/T 10963.1、IEC/EN 60898-1)						
极数 Poles			1P	2P	3P	4P
电气性能 Electrical performance						
功能 Features			短路保护、过载保护、隔离、控制 Short circuit protection, overload protection, isolation, control			
额定频率 Rated frequency	f	（Hz）	50/60			
额定工作电压 Rated working voltage	Ue	（VAC）	230/400	400		
额定工作电流 Rated current	In	（A）	1、3、6、10、16、20、25、32、40、50、63、80			
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	500			
冲击耐受电压 Impulse withstand voltage	Uimp	（kV）	4			
瞬时脱扣类型 Instantaneous tripping type			B/C/D			
分断能力 Breaking capacity	Icn (kA)	KFB3-80	6 (Ics=100%Icn)			
		KFB3-80H	10 (Ics=75%Icn)			
脱扣器类型 Type of trip			热磁式 Thermal Magnetic			
预期使用寿命 Expected service life	机械 Mechanical		15000			
	电气 Electric		6000			
控制与指示 Control and indication						
辅助触头 Auxiliary contacts			□			
报警触头 Alarm contacts			□			
分励脱扣器 Shunt release			□			
过欠压脱扣器 Undervoltage release			□			
连接与安装 Connection and installation						
防护等级 Protection class			IP20			
接线能力 Connection capacity		（mm^2）	1~35			
使用环境温度 Ambient temperature		（℃）	-30~+70			
抗湿热性 Kangshire sex			2类			
海拔 Altitude		(m)	≤2000			
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%			
污染等级 Pollution Level			3			
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place			
安装类别 Installation category			Ⅲ级 Grade Ⅲ			
安装方式 Installation			TH35mmx75mm标准导轨			
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	17.8	35.6	53.4	71.2
		b	82	82	82	82
		c	78	78	78	78
重量 Weight（kg）			0.15	0.3	0.45	0.6

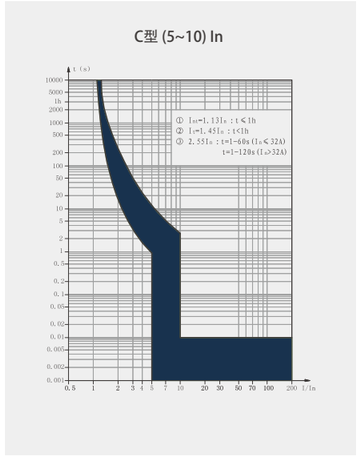
■标准配置 Standard □可选 Optional configuration -无 No

特性曲线 characteristic curve

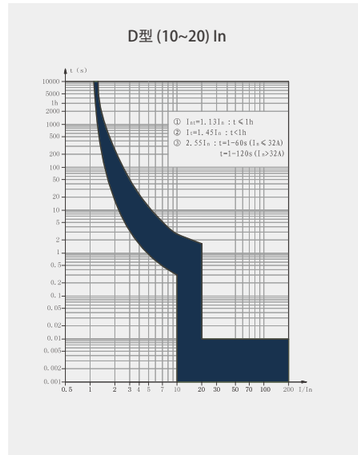
■ B型曲线
Type B curve
保护短路电流小的负载（如无感或微感电路）
Protect loads with small short-circuit current
(such as non inductive or micro inductive circuits)
脱扣特性：瞬时脱扣范围3In~5In
Tripping characteristics: instantaneous tripping range 3in ~ 5in



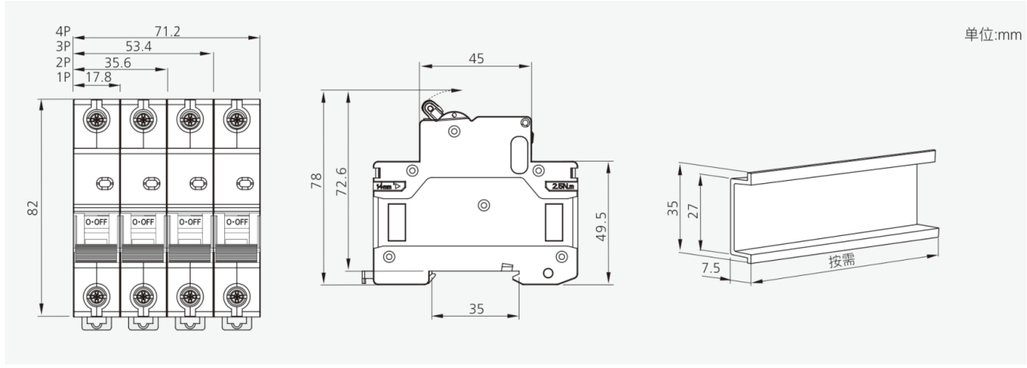
■ C型曲线
C-type curve
保护常规负载和配电线缆
Protect conventional loads and distribution cables
脱扣特性：瞬时脱扣范围5In~10In
Tripping characteristics: instantaneous tripping range 5in ~ 10In



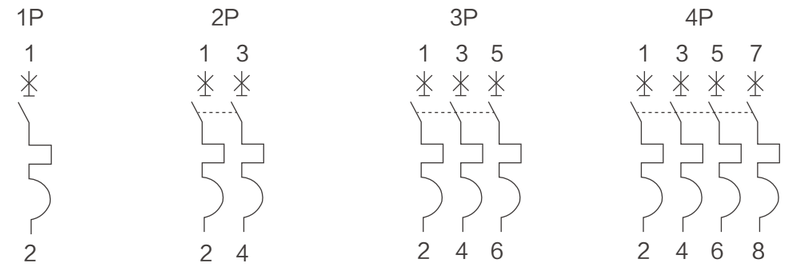
■ D型曲线
D-type curve
保护启动电流大的冲击性负载（如电动机、变压器等）
Protect impulse loads with large starting current
(such as motor, transformer, etc.)
脱扣特性：瞬时脱扣范围10In~20In
Tripping characteristics: instantaneous tripping range 10In ~ 20in



外形与安装尺寸 Outline and installation dimensions



电气线路图 Electrical wiring diagram



附件选配表 Accessories selection table

序号 NO.	名称 name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF6	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	报警触头 Alarm contact	SD6	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker, and the loading is no more than 2
3	分励脱扣器 Shunt release	MX+OF6	加载于小型断路器左侧，指示断路器故障脱扣状态及远程分断控制，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker and remote breaking control. At most one can be loaded
4	过欠压脱扣器 Overvoltage and undervoltage release	MN+MV6	加载于小型断路器左侧，对线路过压、欠压故障进行维护，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to maintain the line overvoltage and undervoltage faults. At most one can be loaded

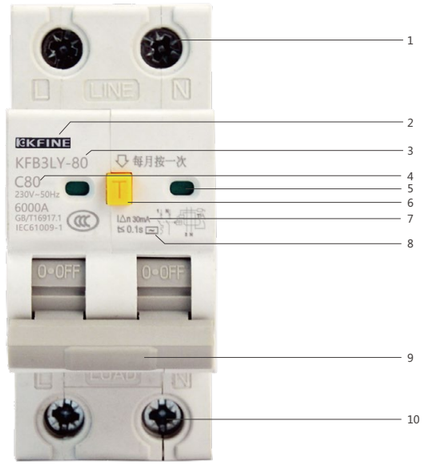
备注：安装位置详见第42页小型断路器附件内容。
Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.

订货举例 Ordering example

产品型号：KFB3-80 C63A/2P
表示：KFB3-80系列小型断路器,6kA分断,C型脱扣曲线,额定电流63A,2P产品。

Product model: KFB3-80 C63A / 2P
Indicates: KFB3-80 series miniature circuit breaker, 6kA breaking, C-type tripping curve, rated current 63A, 2P product.

KFB3LY-80系列小型漏电断路器 KFB3LY-80 series of miniature leakage protection circuit breaker



1 进线端
2 品牌
3 型号
4 瞬时脱扣特性、额定电流
5 视窗
6 试验按钮
7 额定剩余电流
8 剩余电流类型
9 手柄
10 出线端

1 Power end
2 Brand
3 Model
4 Instantaneous tripping characteristics, rated current
5 Windows
6 Test button
7 Rated residual current
8 Types of residual current
9 Handle
10 outgoing terminals

特性 Characteristic

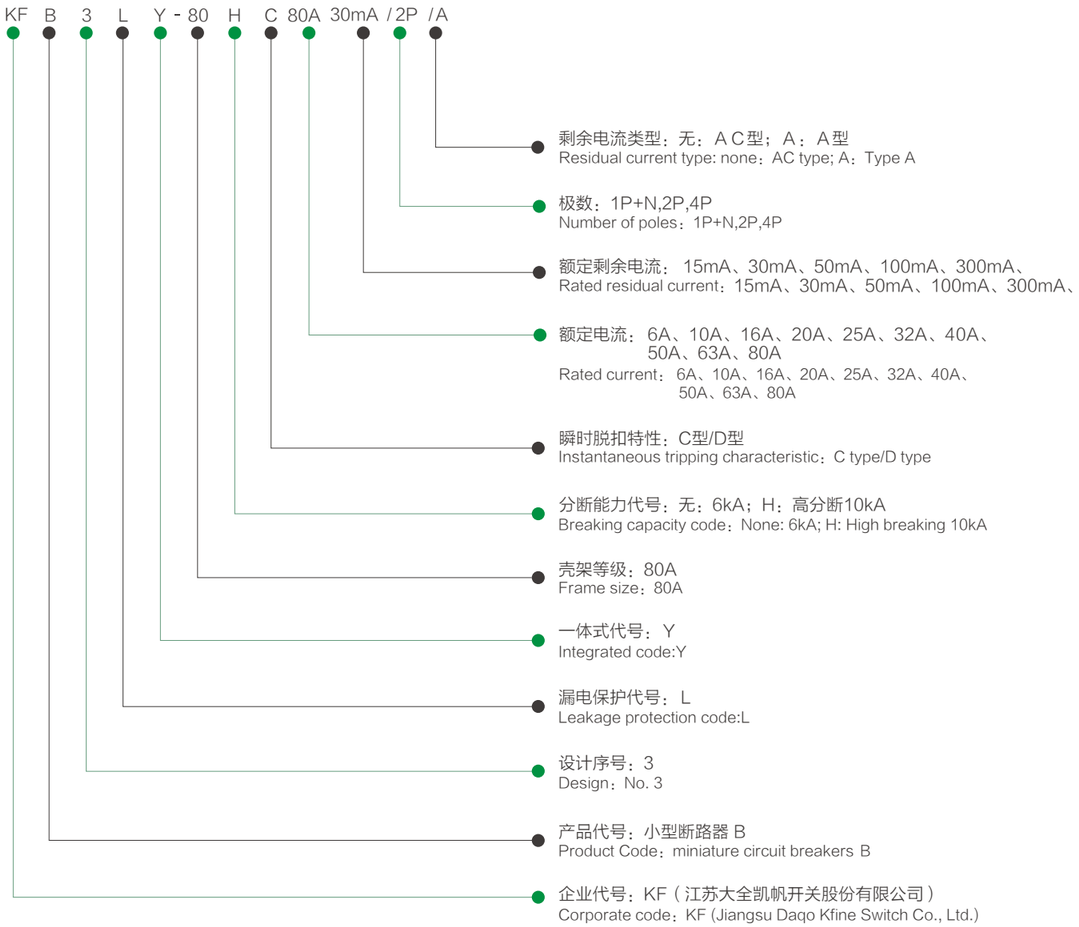
用途及特点 Uses and Feature

- 适用于民用住宅、工业、建筑等领域的低压终端配电
  Applicable to the residential, industrial, construction and other low-voltage terminal power distribution
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation
- 对电器设备的绝缘故障提供保护
  Electrical equipment for insulation fault protection
- 对直接接触提供人身保护；对间接接触提供补充人身保护
  Direct contact with the physical protection; provide additional personal protection against indirect contact

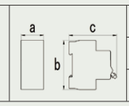
符合标准 Standards compliant

符合GB/T 16917.1和IEC/EN 61009-1 Comply with GB/T 16917.1 and IEC / EN 61009-1

型号及含义 Model and meaning



技术参数 Technical Parameters

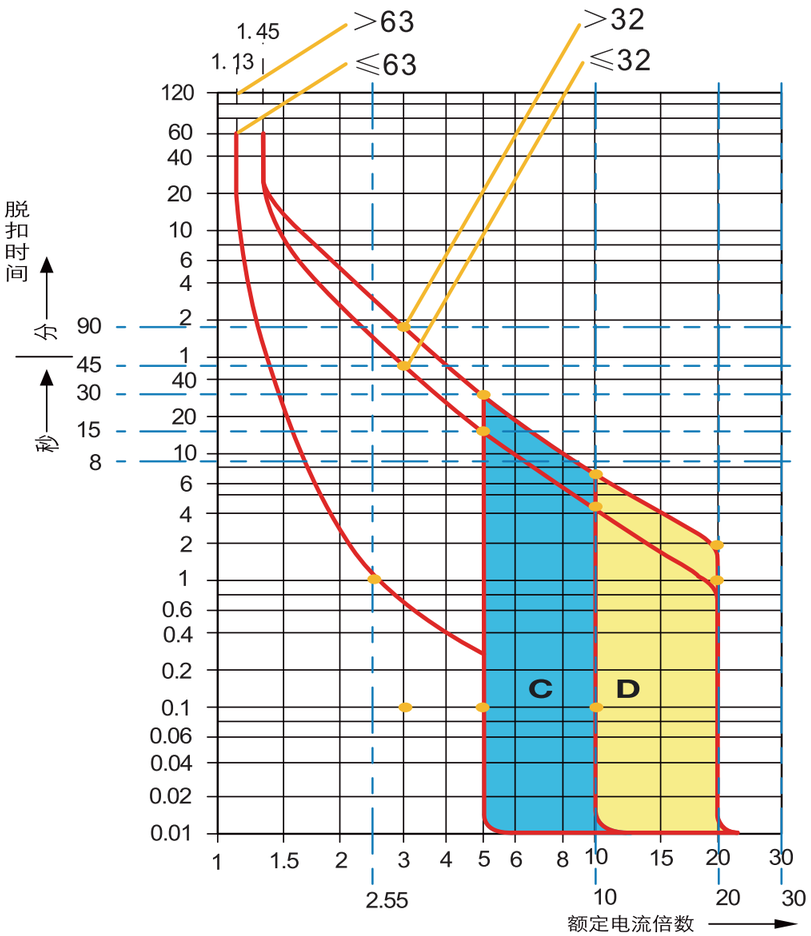
KFB3LY-80系列小型漏电断路器 KFB3LY-80 series of miniature leakage protection circuit breaker					
一般配电保护用 General Distribution protection （GB/T 16917.1 IEC/EN 61009-1）					
极数 Poles			1P + N	2P	4P
电气特性 Electrical performance					
功能 Features			短路保护、过载保护、漏电保护、隔离、控制 Short circuit protection, overload protection, leakage protection,isolation, control		
额定频率 Rated frequency	f	（Hz）	50		
额定工作电压 Rated working voltage	Ue	（VAC）	230		
额定工作电流 Rated current	In	（A）	6、10、16、20、25、32、40、50、63、80		
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	500		
额定剩余动作电流 Impulse withstand voltage	I△n	（kV）	15mA，30mA，50mA，100mA，300mA	30mA，50mA，100mA	
剩余电流类型 Instantaneous tripping type			AC，A	AC	
额定剩余电流时分断时间 Rated residual current division-off time	t	（s）	≤0.1		
额定剩余接通和分断能力 Rated residual making and breaking capacity	I△m	（A）	2000		
额定冲击耐受电压 Rated impulse withstand voltage	Uimp	（kV）	4		
瞬时脱扣类型 Instantaneous tripping type			C，D型		
分断能力 Breaking capacity	Icn	(kA)	6（Ics=100%Icn）/H型：10（Ics=75%Icn）		
脱扣器类型 Type of trip			热磁式 Thermal Magnetic		
预期使用寿命 Expected service life	机械 Mechanical		10000		
	电气 Electric		6000		
控制与指示 Control and indication					
辅助触头 Auxiliary contacts	OF6		□		
报警触头 Alarm contacts	SD6		□		
分励脱扣器 Shunt release	MX+OF6		□		
过欠压脱扣器 Undervoltage release	MN+MV6		□		
连接与安装 Connection and installation					
防护等级 Protection class			IP20		
接线能力 Connection capacity		（mm^2）	1~35		
使用环境温度 Ambient temperature		（℃）	-30~+70		
抗湿热性 Kangshire sex			2类		
海拔 Altitude		(m)	≤2000		
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%		
污染等级 Pollution Level			3		
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place		
安装类别 Installation category			Ⅲ级 Grade Ⅲ		
安装方式 Installation			TH35mmx75mm标准导轨		
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	36	72	
		b	82	99	
		c	78	78	
重量 Weight（kg）			0.3	0.6	

■标准配置 Standard □可选 Optional configuration -无 No

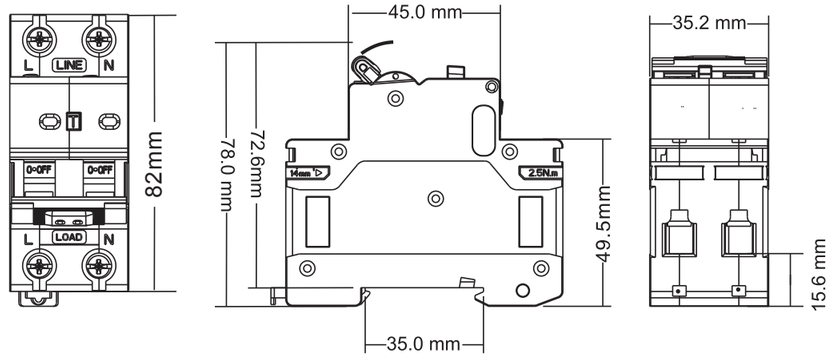
特性曲线 characteristic curve

■ C型曲线
C-type curve
保护常规负载和配电线缆
Protect conventional loads and distribution cables
脱扣特性：瞬时脱扣范围5In~10In
Tripping characteristics: instantaneous tripping range 5in ~ 10In

■ D型曲线
Type D curve
保护启动电流大的冲击性负载（如电动机、变压器等）
Protect impulse loads with large starting current
(such as motors, transformers, etc.)
脱扣特性：瞬时脱扣范围10In~20In
Tripping characteristics: instantaneous tripping range 10In ~ 20In

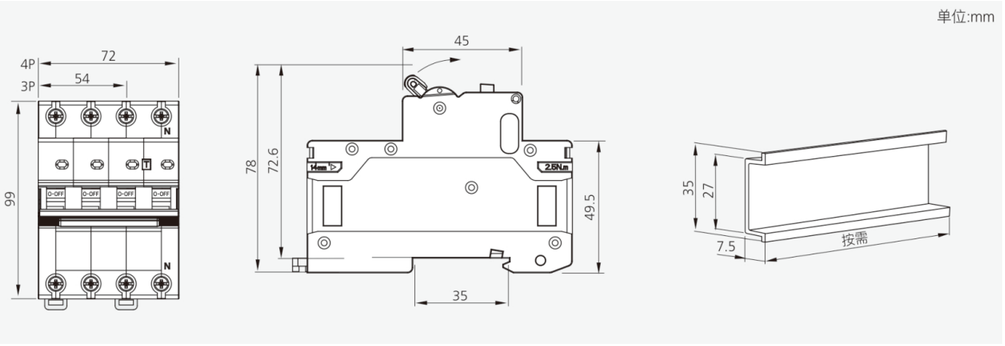


1P+N/2P外形与安装尺寸 1P+N/2P Outline and installation dimensions

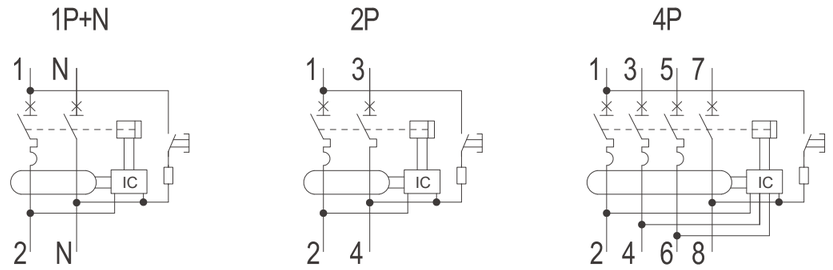


4P外形与安装尺寸 4P Outline and installation dimensions

单位:mm



KFB3LY-80电气线路图 KFB3LY-80 Electrical wiring diagram



附件选配表 Accessories selection table

序号 NO.	名称 name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF6	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	报警触头 Alarm contact	SD6	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker, and the loading is no more than 2
3	分励脱扣器 Shunt release	MX+OF6	加载于小型断路器左侧，指示断路器故障脱扣状态及远程分断控制，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker and remote breaking control. At most one can be loaded
4	过欠压脱扣器 Overvoltage and undervoltage release	MN+MV6	加载于小型断路器左侧，对线路过压、欠压故障进行维护，最多能加载1个 It is loaded on the left side of the miniature circuit breaker to maintain the line overvoltage and undervoltage faults. At most one can be loaded

备注：安装位置详见第42页小型断路器附件内容。

Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.

订货举例 Ordering example

产品型号：KFB3LY-80 C63A 30mA/1P+N

表示：KFB3LY-80系列小型漏电断路器，6kA分断，C型脱扣曲线，额定电流63A，额定剩余动作电流30mA，剩余脱扣电流类型为AC型，1P+N产品。

Product model: KFB3L-63s C63A 30mA / 1P+N

Indicates: KFB3LY-80 series of miniature leakage protection circuit breaker, 6kA breaking, C-type tripping curve, rated current 63A, rated residual current 30mA, residual tripping current type AC, 1P+N product.

KFB3-63Z系列直流小型断路器 KFB3-63Z Series DC Miniature Circuit Breaker



1	进线端	1 Power end
2	品牌	2 Brand
3	型号	3 Model
4	手柄	4 Handle
5	额定电流	5 Rated current
6	视窗	6 Windows
7	出线端	7 Load terminal

特性 Characteristic

用途及特点 Uses and Features

- 适用于第三产业和工业配电系统的保护
  Suitable for the protection of the tertiary industry and industrial distribution systems
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation

符合标准 Standards compliant

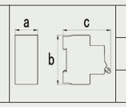
符合GB/T 14048.2和 IEC/EN 60947-2
Comply with GB / T 14048.2 and IEC / EN 60947-2

型号及含义 Model and meaning

KF B 3 - 63 Z □ □ / □

- 极数：1P/2P/3P/4P
  Number of poles：1P/2P/3P/4P
- 额定电流:1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A
  Rated current：1A、2A、3A、4A、5A、6A、10A、16A、20A、25A、32A、40A、50A、63A
- 瞬时脱扣特性：B型/C型
  Instantaneous tripping characteristic type：B / C type
- 直流：Z
  Direct-current：Z
- 壳架等级：63A
  Frame size：63A
- 设计序号：3
  Design：No. 3
- 产品代号：小型断路器B
  Product Code: miniature circuit breaker B
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Corporate code：KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

技术参数 Technical Parameters

KFB3-63Z系列直流小型断路器 FB3-63Z Series DC Miniature Circuit Breaker						
一般配电保护用 General Distribution protection (GB 14048.2and IEC / EN 60947-2)						
极数 Poles			1P	2P	3P	4P
电气性能 Electrical performance						
功能 Features			短路保护、过载保护、隔离、控制 Short circuit protection, overload protection, isolation, control			
额定工作电压 Rated working voltage	Ue	（VDC）	125/250	250/500	375/750	500/1000
额定工作电流 Rated current	In	（A）	1、2、3、4、5、6、10、16、20、25、32、40、50、63			
额定绝缘电压 Rated insulation voltage	Ui	（VDC）	1000			
冲击耐受电压 Impulse withstand voltage	Uimp	（kV）	6			
瞬时脱扣类型 Instantaneous tripping type			B/C			
分断能力 Breaking capacity Icu（kA）			10 (Ics=75%Icu) / 6kA(Ics=5kA)			
脱扣器类型 Type of trip			热磁式 Thermal Magnetic			
预期使用寿命 Expected service life	机械 Mechanical		20000			
	电气 Electric		2000			
控制与指示 Control and indication						
辅助触头 Auxiliary contacts	OF		□			
报警触头 Alarm contacts	SD		□			
分励脱扣器 Shunt release	MX+OF		□			
过欠压脱扣器 Overvoltage and undervoltage release	MN+MV		-			
连接与安装 Connection and installation						
防护等级 Protection class			IP20			
接线能力 Connection capacity			1~25			
使用环境温度 Ambient temperature		（mm^2）	-35~+70			
抗湿热性 Kangshire sex		（℃）	2类 Class 2			
海拔 Altitude			≤2000			
空气相对湿度 Relative humidity		(m)	+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%			
污染等级 Pollution Level			3			
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place			
安装类别 Installation category			Ⅲ级 Grade Ⅲ			
安装方式 Installation			TH35mmx7.5mm标准导轨			
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	18	36	54	72
		b	81.5	81.5	81.5	81.5
		c	73	73	73	73
重量 Weight（kg）			0.13	0.25	0.37	0.5

■标准配置 Standard □可选 Optional configuration -无 No

特性曲线 characteristic curve

■ B型曲线
Type B curve

保护短路电流小的负载（如无感或微感电路）
Protect loads with small short-circuit current
(such as non inductive or micro inductive circuits)

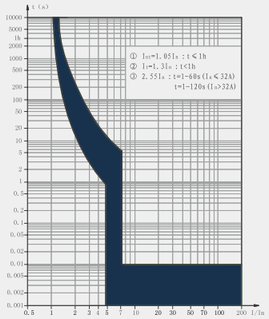
脱扣特性：瞬时脱扣范围6(1±20%）In
Tripping characteristics: instantaneous tripping range 6 (1±20%) In

■ C型曲线
C-type curve

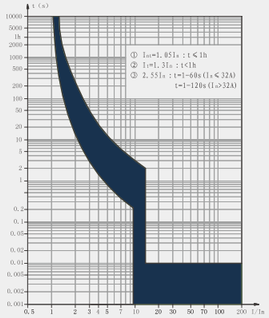
保护常规负载和配电线缆
Protect conventional loads and distribution cables

脱扣特性：瞬时脱扣范围12(1±20%）In
Tripping characteristics: instantaneous tripping range12(1±20%）In

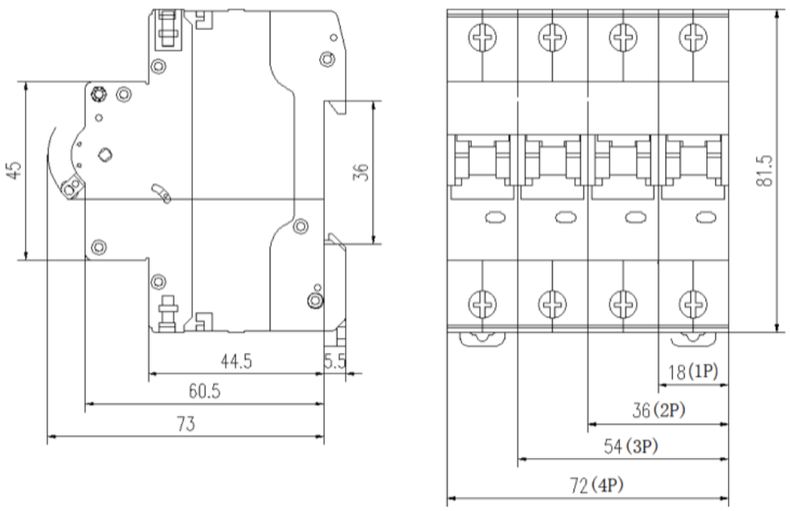
B型6(1±20%）In



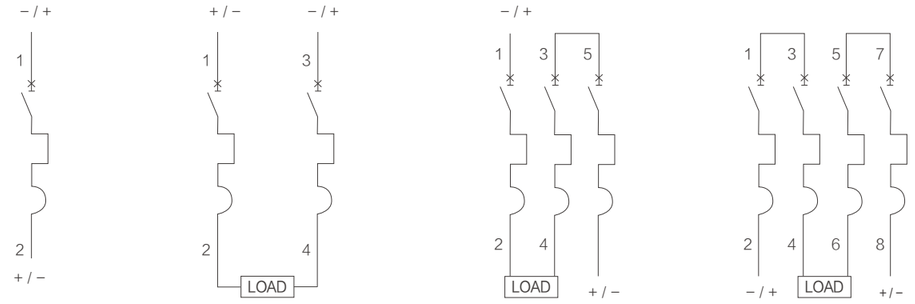
C型12(1±20%）In



外形与安装尺寸 Outline and installation dimensions



电气线路图 Electrical wiring diagram



1P接线图　2P接线图　3P接线图　4P接线图

附件选配表 Accessories selection table

序号 NO.	名称 Name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF7	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	双辅助触头 Double auxiliary contacts	FF7	加载于小型断路器左侧，指示断路器通断状态，加载不大于1个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 1
3	报警触头 Alarm contact	SD7	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于1个 It is loaded on the left side of the miniature circuit breaker to indicate the fault trip status of the circuit breaker, with no more than one loaded
4	辅助报警触头 Auxiliary alarm contact	FS7	加载于小型断路器左侧，指示断路器通断、故障脱扣状态，加载不大于1个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off and fault trip status of the circuit breaker. The loading shall not exceed one
5	分励脱扣器 Shunt release	MX+OF7	加载于小型断路器右侧，指示断路器通断状态及远程分断控制，加载不大于1个 Loaded on the right side of the miniature circuit breaker, it indicates the on-off status of the circuit breaker and remote breaking control, with no more than one loaded

备注：安装位置详见第42页小型断路器附件内容。
双辅助触头、辅助报警触头需订购FF7、FS7，不得用OF7、SD7拼装。

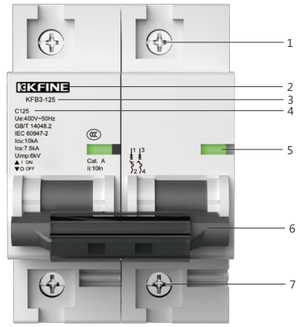
Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.
Double auxiliary contacts and auxiliary alarm contacts must be ordered as FF7 or FS7. They cannot be assembled with OF7 or SD7.

订货举例 Ordering example

产品型号：KFB3-63Z C63A/2P
表示：KFB3-63Z系列小型直流断路器，10kA分断，C型脱扣曲线，额定电流63A，2P产品。

Product model: KFB3-63Z C63A / 2P
Indicates: KFB3-63Z series DC miniature circuit breaker, 10kA breaking, C-type tripping curve, rated current 63A, 2P product.

KFB3-125系列小型断路器 KFB3-125 series miniature circuit breaker



1	进线端	1 Power end
2	品牌	2 Brand
3	型号	3 Model
4	瞬时脱扣特性、额定电流	4 Instantaneous tripping characteristics and rated current
5	视窗	5 Windows
6	手柄	6 Handle
7	出线端	7 Load terminal

特性 Characteristic

用途及特点 Uses and Features

- 适用于民用住宅、工业、建筑等领域中的工业配电系统和电动机的保护
  Protection applicable to the residential, industrial, construction and other industries in the distribution system and motor
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation

符合标准 Standards compliant

符合GB/T 14048.2和 IEC/EN 60947-2

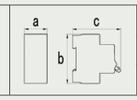
Comply with GB/T 14048.2 and IEC / EN 60947-2

型号及含义 Model and meaning

KF B 3 - 125 □ □ / □

- 极数：1P/2P/3P/4P
  Number of poles：1P/2P/3P/4P
- 额定电流：50A、63A、80A、100A、125A
  Rated current：50A、63A、80A、100A、125A
- 瞬时脱扣特性：C型/D型
  Instantaneous tripping characteristic：type C / D type
- 壳架等级：125A
  Frame size：125A
- 设计序号：3
  Design：No. 3
- 产品代号：小型断路器 B
  Product Code: miniature circuit breaker B
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Corporate code KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

技术参数 Technical Parameters

KFB3-125系列小型断路器 KFB3-125 series of miniature circuit breaker					
一般配电保护用 General Distribution protection (GB/T14048-2 and IEC / EN 60947-2)					
极数 Poles			1P	2P	3P	4P
电气性能 Electrical performance						
功能 Features			短路保护、过载保护、隔离、控制 Short circuit protection, overload protection, isolation, control			
额定频率 Rated frequency	f	(Hz)	50/60			
额定工作电压 Rated working voltage	Ue	(V)	230VAC、80VDC	400VAC、125VDC	400VAC	
额定工作电流 Rated current	In	(A)	50、63、80、100、125			
额定绝缘电压 Rated insulation voltage	Ui	(VAC)	500			
冲击耐受电压 Impulse withstand voltage	Uimp	(kV)	6			
瞬时脱扣类型 Instantaneous tripping type			C/D			
分断能力 Breaking capacity	Icu	(kA)	10 (Ics=75%Icu)			
脱扣器类型 Type of trip			热磁式 Thermal Magnetic			
预期使用寿命 Expected service life	机械 Mechanical		10000			
	电气 Electric		4000			
控制与指示 Control and indication						
辅助触头 Auxiliary contacts	OF3		□			
报警触头 Alarm contacts	SD3		□			
分励脱扣器 Shunt release	MX+OF3		□			
过欠压脱扣器 Overvoltage and undervoltage release	MN+MV3		□			
连接与安装 Connection and installation						
防护等级 Protection class			IP20			
接线能力 Connection capacity		(mm^2)	1~35			
使用环境温度 Ambient temperature		(℃)	-35~+70			
抗湿热性 Kangshire sex			2类 Class 2			
海拔 Altitude		(m)	≤2000			
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%			
污染等级 Pollution Level			3			
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place			
安装类别 Installation category			Ⅲ级 Grade Ⅲ			
安装方式 Installation			TH35mmx7.5mm标准导轨			
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	27	54	81	108
		b	80	80	80	80
		c	79	79	79	79
重量 Weight（kg）			0.2	0.4	0.6	0.8

■ 标准配置 Standard □ 可选 Optional configuration -无 No

特性曲线 characteristic curve

■ C型曲线
C-type curve

保护常规负载和配电线缆
Protect conventional loads and distribution cables

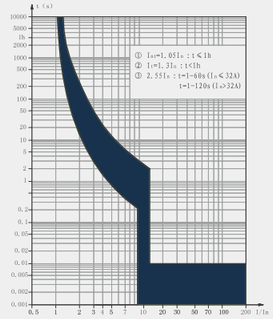
脱扣特性：瞬时脱扣范围10（1±20%）In
Tripping characteristics: instantaneous tripping range10（1±20%）In

■ D型曲线
D-type curve

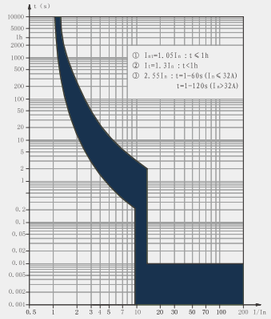
保护启动电流大的冲击性负载（如电动机、变压器等）
Protect impulse loads with large starting current
(such as motor, transformer, etc.)

脱扣特性：瞬时脱扣范围 12（1±20%）In
Tripping characteristics: instantaneous tripping range 12（1±20%）In

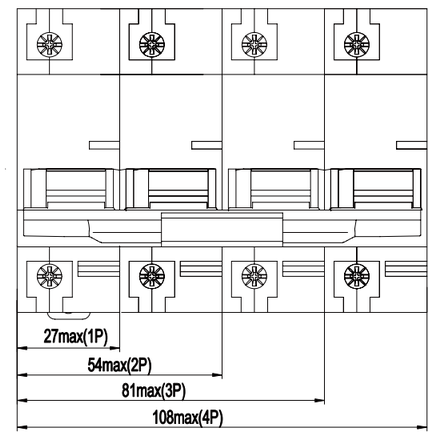
C型 10（1±20%）In

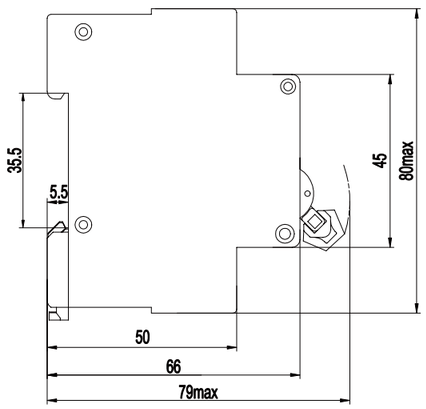


D型 12（1±20%）In

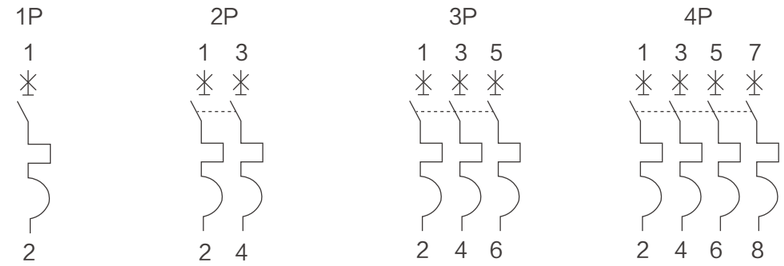


外形与安装尺寸 Outline and installation dimensions





电气线路图 Electrical wiring diagram



附件选配表 Accessories selection table

序号 NO.	名称 Name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF3	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	报警触头 Alarm contact	SD3	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker, and the loading is no more than 2
3	分励脱扣器 Shunt release	MX+OF3	加载于小型断路器右侧，指示断路器故障脱扣状态及远程分断控制，最多能加载1个 It is loaded on the right side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker and remote breaking control. At most one can be loaded
4	过欠压脱扣器 Overvoltage and undervoltage release	MN+MV3	加载于小型断路器右侧，对线路过压、欠压故障进行保护，最多能加载1个 It is loaded on the right side of the miniature circuit breaker to protect the line overvoltage and undervoltage faults. At most one can be loaded

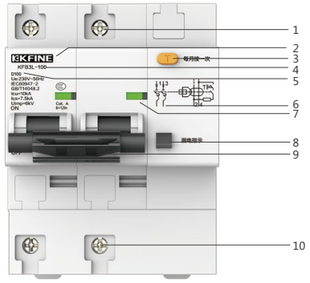
备注：安装位置详见第42页小型断路器附件内容。
Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.

订货举例 Ordering example

产品型号：KFB3-125 C100A/2P
表示：KFB3-125系列小型断路器,10kA分断,C型脱扣曲线,额定电流100A,2P产品。

Product model: KFB3-125 C100A / 2P
Indicates: KFB3-125 series miniature circuit breaker, 10kA breaking, C-type tripping curve, rated current 100A, 2P product.

KFB3L−100系列小型漏电保护断路器 KFB3L−100 series miniature leakage protection circuit breaker



1	进线端	1 Power end
2	品牌	2 Brand
3	测试按钮	3 Test button
4	型号	4 Model
5	瞬时脱扣特性、额定电流	5 Instantaneous tripping characteristics and rated current
6	额定剩余电流	6 Rated residual current
7	视窗	7 Windows
8	复位按钮	8 Reset button
9	手柄	9 Handle
10	出线端	10 Load terminal

特性 Characteristic

用途及特点 Uses and Features

- 适用于工业、商业、民用建筑等领域中的照明配电和工业配电系统的保护
  Protection for industrial, commercial, civil and other areas of lighting, power distribution, and industrial power distribution systems
- 具有过载、短路保护与控制、隔离功能
  Overload, short circuit protection and control, isolation
- 对电器设备的绝缘故障提供保护
  Electrical equipment for insulation fault protection
- 对直接接触提供人身保护；对间接接触提供补充人身保护
  Direct contact with the physical protection; provide additional personal protection against indirect contact

符合标准 Standards compliant

符合GB/T 14048.2和 IEC/EN 60947−2

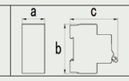
Comply with GB/T 14048.2 and IEC / EN 60947−2

型号及含义 Model and meaning

KF B 3 L - 100 □ □ □ / □

- 极数：1P+N/2P/3P/3P+N/4P
  Poles：1P+N/2P/3P/3P+N/4P
- 额定剩余动作电流：30mA、50mA、100mA、300mA
  Rated residual operating current：30mA、50mA、100mA、300mA
- 额定电流：63A、80A、100A
  Rated current：63A、80A、100A
- 瞬时脱扣特性：C型/D型
  Instantaneous tripping characteristics：type C / D
- 壳架等级：100A
  Frame size：100A
- 漏电保护代号：L
  Leakage protection code:L
- 设计序号：3
  Design：No. 3
- 产品代号：小型断路器
  Product Code：miniature circuit breakers
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Corporate code：KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

技术参数 Technical Parameters

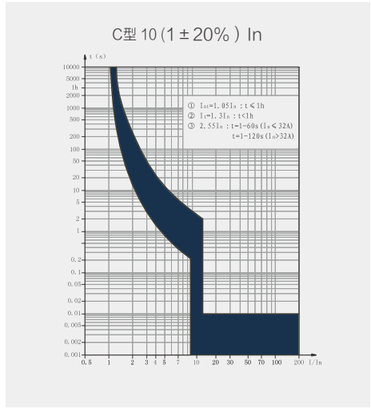
KFB3L-100系列小型漏电保护断路器 KFB3L-100 series of miniature leakage protection circuit breaker							
一般配电保护用 General Distribution protection （GB/T 14048.2、IEC/EN 60947-2）							
极数 Poles			1P+N	2P	3P	3P+N	4P
电气性能 Electrical performance							
功能 Features			短路保护、过载保护、漏电保护、隔离、控制 Short circuit protection, overload protection, leakage protection, isolation, control				
额定频率 Rated frequency	f	（Hz）	50/60				
额定工作电压 Rated working voltage	Ue	（VAC）	230		400		
额定工作电流 Rated current	In	（A）	63、80、100				
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	500				
额定剩余动作电流 Rated residual operating current	I△n	（mA）	30、50、100、300				
剩余电流类型 Residual current type			AC				
额定剩余电流时分断时间 Rated residual current division-off time	t	（s）	≤0.1				
额定剩余接通和分断能力 Rated residual making and breaking capacity	(I△m)	（A）	2000				
额定冲击耐受电压 Rated impulse withstand voltage	Uimp	（kV）	6				
瞬时脱扣类型 Instantaneous tripping type			C/D				
分断能力 Breaking capacity	Icu	(kA)	10（Ics=75%Icu）				
脱扣器类型 Type of trip			热磁式 Thermal Magnetic				
预期使用寿命 Expected service life	机械 Mechanical		10000				
	电气 Electric		4000				
控制与指示 Control and indication							
辅助触头 Auxiliary contacts OF3			□				
报警触头 Alarm contacts SD3			□				
连接与安装 Connection and installation							
防护等级 Protection class			IP20				
接线能力 Connection capacity		（mm^2）	1~35				
使用环境温度 Ambient temperature		（℃）	-35~+70				
抗湿热性 Kangshire sex			2类 Class 2				
海拔 Altitude		(m)	≤2000				
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%				
污染等级 Pollution Level			无显著震动和冲击的地方 No significant vibration and shock of the place				
安装环境 Installation Environment			3				
安装类别 Installation category			Ⅲ级 Grade Ⅲ				
安装方式 Installation			TH35mmx7.5mm标准导轨				
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	54	81	108	108	135
		b	107	107	107	107	107
		c	79	79	79	79	79
重量 Weight（kg）			0.35	0.5	0.7	0.7	0.9
■标准配置 Standard □可选 Optional configuration -无 No							

特性曲线 characteristic curve

■ C型曲线
C-type curve

保护常规负载和配电线缆
Protect conventional loads and distribution cables

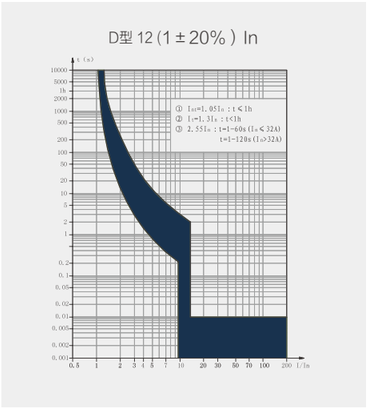
脱扣特性：瞬时脱扣范围10（1±20%）In
Tripping characteristics: instantaneous tripping range10（1±20%）In



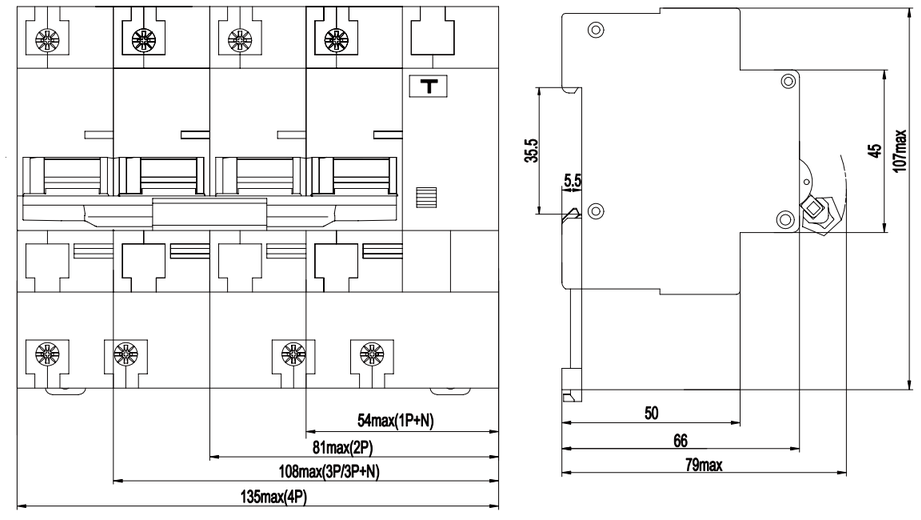
■ D型曲线
D-type curve

保护启动电流大的冲击性负载（如电动机、变压器等）
Protect impulse loads with large starting current
（such as motor, transformer, etc.）

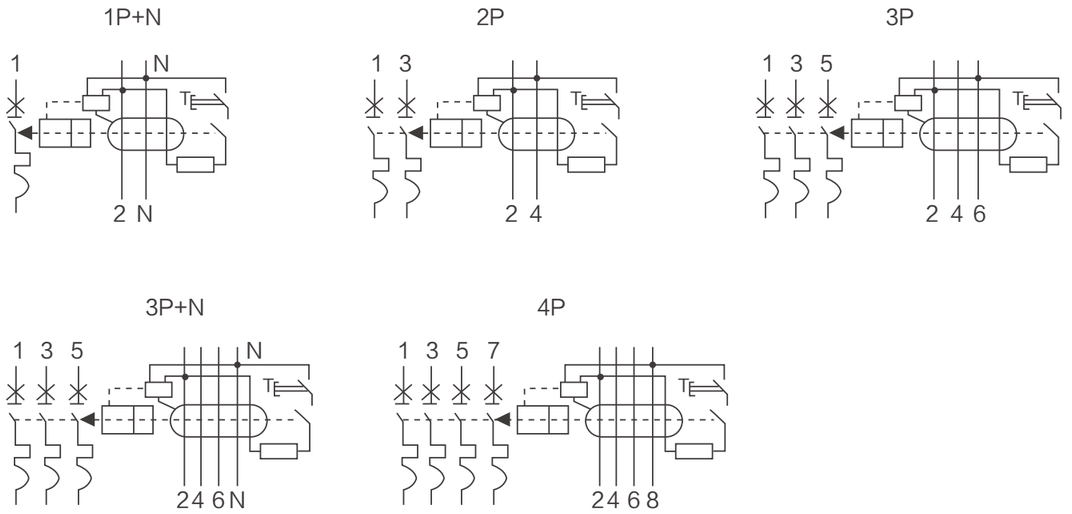
脱扣特性：瞬时脱扣范围 12（1±20%）In
Tripping characteristics: instantaneous tripping range 12（1±20%）In



外形与安装尺寸 Outline and installation dimensions



电气线路图 Electrical wiring diagram



附件选配表 Accessories selection table

序号 NO.	名称 Name	型号规格 Model and specification	功能和加载数量 Function and loading quantity
1	辅助触头 Auxiliary contact	OF3	加载于小型断路器左侧，指示断路器通断状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the on-off state of the circuit breaker, and the loading is no more than 2
2	报警触头 Alarm contact	SD3	加载于小型断路器左侧，指示断路器故障脱扣状态，加载不大于2个 It is loaded on the left side of the miniature circuit breaker to indicate the fault tripping state of the circuit breaker, and the loading is no more than 2

备注：安装位置详见第42页小型断路器附件内容。

Note: The installation location is detailed in the content of the miniature circuit breaker accessories on page 42.

订货举例 Ordering example

产品型号：KFB3L-100 C63A 30mA/1P+N

表示：KFB3L-100系列小型剩余电流动作断路器,10kA分断,C型脱扣曲线,额定电流63A,额定剩余动作电流30mA,剩余脱扣电流类型为AC型，1P+N产品。

Product model: KFB3L-100 C63A 30mA / 1P + N

Indicates: KFB3L-100 series miniature leakage protection circuit breaker, 10kA breaking, C-type tripping curve, rated current 63A, rated residual operating current 30mA, residual tripping current type AC, 1P + N product.

小型断路器高度、温度修正系数表

Table of correction factors for height and temperature of miniature circuit breaker

■ 高度修正系数表

Height correction factor table

海拔小于2000m，断路器不需降容使用；大于等于2000m，断路器电气性能可参照下表修正：

If the altitude is less than 2000m, the circuit breaker does not need to be reduced; If it is greater than or equal to 2000m, the electrical performance of the circuit breaker can be corrected according to the following table:

海拔高度(km) Altitude (km)	额定工作电流 Rated working current	最大工作电压 Maximum working voltage	额定工频耐压（V） Rated power frequency withstand voltage (V)	额定冲击耐压 Rated impact withstand voltage	额定短路分断能力 Rated short-circuit breaking capacity	电寿命 Electrical life
2	In	Ue	2500	1	1	1
3	0.97In	Ue	2200	0.89	0.83	0.83
4	0.94In	Ue	2000	0.8	0.71	0.71
5	0.91In	Ue	1890	0.73	0.63	0.63

小型断路器高度、温度修正系数表
Table of correction factors for height and temperature of miniature circuit breaker

■ 温度修正系数表
Temperature correction factor table

环境温度(℃) / 修正电流(A) / 额定电流(A)	-40	-30	-20	-10	0	10	20	30	40	50	60	70
1	1.29	1.25	1.21	1.17	1.13	1.08	1.05	1	0.94	0.89	0.83	0.77
2	2.45	2.38	2.32	2.26	2.2	2.13	2.07	2	1.93	1.86	1.78	1.7
3	3.97	3.83	3.7	3.57	3.44	3.3	3.14	3	2.84	2.67	2.49	2.27
4	4.94	4.81	4.68	4.55	4.42	4.29	4.15	4	3.85	3.69	3.53	3.36
5	6.18	6.01	5.85	5.69	5.53	5.36	5.19	5	4.81	4.61	4.41	4.2
6	7.96	7.58	7.34	7.09	6.83	6.56	6.27	6	5.68	5.36	5.01	4.64
10	14.15	13.62	13.07	12.53	11.93	11.33	10.67	10	9.24	8.45	7.55	6.55
16	21.1	20.43	19.75	19.05	18.33	17.58	16.8	16	15.11	14.2	13.21	12.15
20	26.04	25.28	24.47	23.64	22.78	21.89	20.96	20	18.95	17.87	16.71	15.47
25	32.91	31.72	30.7	29.65	28.55	27.41	26.22	25	23.67	22.28	20.8	19.21
32	41.67	40.46	39.17	37.84	36.47	35.03	33.54	32	30.34	28.6	26.75	24.77
40	52.43	50.86	49.21	47.51	45.74	43.9	41.98	40	37.85	35.61	33.21	30.63
50	66.1	63.97	61.86	59.67	57.4	55.05	52.56	50	46.24	43.33	40.23	35.77
63	84.4	82.06	79.19	76.22	73.14	69.91	66.53	63	58.19	54.16	49.81	43.05
80	100	97	94	92	89	87	84	82	80	74.4	69	62.4
100	122	120	118	115	112	109	106	103	100	92	86	78
125	150	147	145	143	140	136	132	128	125	115	108	97.5

注：以上参数仅作KFD3(L)-32、KFB3-63、KFB3L-63s、KFB3-80(H)、KFB3LY-80(H)、KFB3-125和KFB3L-100系列小型断路器的一般选型指导，鉴于使用条件的多样性，实际应用中不同的解决方案必须进行试验验证。

Note: the above parameters are only used as general type selection guidance for KFD3 (L) - 32、KFB3-63、KFB3L-63s、KFB3-80(H)、KFB3LY-80(H)、 KFB3-125 and KFB3L-100 series miniature circuit breakers. In view of the diversity of service conditions, different solutions in practical application must be tested and verified.

小型断路器附件

类型与功能



远程指示附件

■ 辅助触头：
□ 外接电路，指示断路器的合、分状态
□ 辅助触头的基本形式：一常开，一常闭
□ 接线能力：单线2.5mm²，双线1.5mm²

■ 触头额定电流：

电压 (V)	额定电流 (A)	使用类别
AC 415V	3	AC-12
AC 240V	6	
DC 130V	1	DC-12
DC 48V	2	
DC 24V	6	



■ 报警触头：
□ 断路器故障脱扣时发出报警信号
□ 前面板上有机械指示，可指示故障脱扣状态
□ 报警触头的基本形式：一常开，一常闭
□ 接线能力：单线2.5mm²，双线1.5mm²



脱扣附件

■ 分励脱扣器：
□ 当得到信号后，触发与之拼装的断路器脱扣
□ 电源电压等于额定工作电源电压的70%~110%之间的任一电压时，保证断路器可靠分断

□ 脱扣功率消耗

电压 (AC或DC)	功率消耗(W)
AC	400
DC	45

□ 分励脱扣器为短时工作制,线圈通电时间应≤1秒
□ 辅助触头指示断路器的合、分状态
□ 辅助触头的基本形式：一常开，一常闭
□ 接线能力：单线2.5mm²，双线1.5mm²



■ 过欠压脱扣器
□ 对线路过电压和欠电压故障进行保护
□ 当脱扣器两端电压上升或下降超出额定电压范围时，触发与之拼装的断路器脱扣
□ 额定过电压动作值：AC270V±14V，最大分断时间0.2s
□ 额定欠电压动作值：AC170V±8V，最大分断时间1s

■ 功率消耗：

电压 (AC或DC)	功率消耗(W)
AC	3.5

□ 接线能力：单线1-2.5mm²，双线1.5mm²

Miniature circuit breaker accessories

Type and function



Remote indication attachment

■ Auxiliary contact:

□ The external circuit indicates the closing and opening status of the circuit breaker

□ Basic form of auxiliary contact: one normally open and one normally closed

□ Wiring capacity: single line 2.5mm², double line 1.5mm²

■ Rated current of contact:

Voltage (V)	Rated current (A)
AC 415V	3
AC 240V	6
DC 130V	1
DC 48V	2
DC 24V	6



■ Alarm contact：

□ The alarm signal is sent when the circuit breaker trips due to fault

□ There is a mechanical indication on the front panel to indicate the fault tripping status

□ Basic form of alarm contact: one normally open and one normally closed

□ Wiring capacity: single line 2.5mm², double line 1.5mm²

Tripping accessories



■ Shunt release:

□ When the signal is received, the circuit breaker assembled with it is triggered to trip

□ When the power supply voltage is equal to any voltage between 70% ~ 110% of the rated working power supply voltage, ensure the reliable breaking of the circuit breaker

□ Tripping power consumption

Voltage (AC or DC)	Power consumption (W)
AC	400
DC	45

□ The shunt release is of short-time working system, and the energization time of the coil shall be ⩽ 1s

□ The auxiliary contact indicates the closing and opening state of the circuit breaker. The basic form of the auxiliary

□ contact is: one normally open and one normally closed

□ Wiring capacity: single line 2.5mm², double line 1.5mm²



■ Overvoltage and undervoltage release

□ Protect the line from overvoltage and undervoltage faults

□ When the voltage at both ends of the release rises or falls beyond the rated voltage range, the assembled circuit breaker will be triggered for tripping

□ Rated overvoltage action value: ac280v ± 14V, maximum breaking time 0.2S

□ Rated undervoltage action value: ac161v ± 8V, maximum breaking time 1s

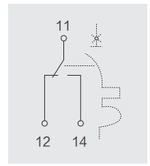
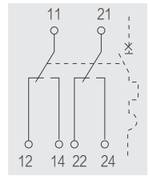
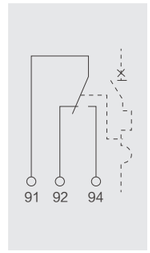
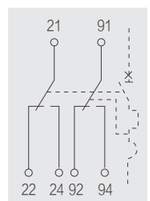
■ Outlet power consumption:

Voltage (AC or DC)	Power consumption (W)
AC	3.5

□ Wiring capacity: single line 1-2.5mm², double line 1.5mm²

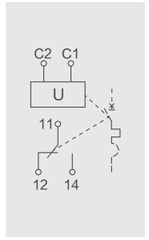
KFB3电气附件 KFB3 electrical accessories

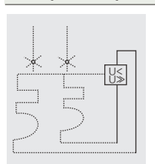


名称 name	订货型号 Ordering	信号端子通断状态 On off status of signal terminal	宽度 Width	控制电压(V) Control voltage	匹配断路器 Matching circuit breaker	拼装于断路器位置 Assembled at the position of circuit breaker
辅助触头 Auxiliary contacts						
 接线图 Wiring diagram	OF	合闸时：11,14 端子接通；手动分闸或脱扣时：11,12端子接通 Closing: 11,14 Terminal connection; When opening or tripping manually: Terminals 11 and 12 are connected	9	-	KFB3-63 KFB3L-63s	左侧 left
	OF3				KFB3-125 KFB3L-100	左侧 left
	OF6				KFB3-80 KFB3LY-80	左侧 left
	OF7				KFB3-63Z	左侧 left
 接线图 Wiring diagram	FF7	合闸时：11,14；21,24 端子接通；手动分闸或脱扣时：11,12；21,22 端子接通 When closing the switch: 11,14; 21,24 Terminal connection; When manually tripping or disengaging: 11,12; 21, 22 Terminal connection	9	-	KFB3-63Z	左侧 left
名称 name	订货型号 Ordering	信号端子通断状态 On off status of signal terminal	宽度 Width	控制电压(V) Control voltage	匹配断路器 Matching circuit breaker	拼装于断路器位置 Assembled at the position of circuit breaker
报警触头 Alarm contact						
 接线图 Wiring diagram	SD	合闸或手动分闸时：91,92端子接通；故障脱扣时：91,94端子接通 When closing or manual opening: 91 and 92 terminals are connected; In case of fault tripping: Terminals 91 and 94 are connected	9	-	KFB3-63 KFB3L-63s	左侧 left
	SD3				KFB3-125 KFB3L-100	左侧 left
	SD6				KFB3-80 KFB3LY-80	左侧 left
	SD7	合闸或手动分闸时：91,92端子接通；故障脱扣时：91,94端子接通 When closing or manually opening the switch: Terminals 91 and 92 are connected. When a fault trips: Terminals 91 and 94 are connected	9	-	KFB3-63Z	左侧 left
 接线图 Wiring diagram	FS7	合闸时：11,14 端子接通；手动分闸或脱扣时；11,12端子接通；合闸或手动分闸时：91,92端子接通；故障脱扣时：91,94端子接通 Closing time: 11,14 Terminal connection; When manually tripping or disengaging; Terminals 11 and 12 are connected. When closing or manually opening the switch: Terminals 91 and 92 are connected. When a fault trips: Terminals 91 and 94 are connected	9	-	KFB3-63Z	左侧 left

KFB3电气附件 KFB3 electrical accessories



名称 name	订货型号 Ordering	信号端子通断状态 On off status of signal terminal	宽度 Width	控制电压(V) Control voltage	匹配断路器 Matching circuit breaker	拼装于断路器位置 Assembled at the position of circuit breaker
分励脱扣器 Shunt release						
 接线图 Wiring diagram	MX+OF	合闸时：11,14端子接通；手动分闸或脱扣时：11,12端子接通 (辅助触头为无源型) When closing:11 and 14 terminals are connected; When opening or tripping manually:Terminals11 and 12 are connected (the auxiliary contact is rimless type)	18	AC/DC24-48V AC/DC110-400V	KFB3-63 KFB3L-63s	左侧 left
	MX+OF3			AC/DC24-48V AC/DC110-400V	KFB3-125	右侧 right
	MX+OF6				KFB3-80 KFB3LY-80	左侧 left
	MX+OF7	合闸时：11,14端子接通；手动分闸或脱扣时；11,12端子接通（辅助触头为无源型）； When closing the switch: Terminals 11 and 14 are connected. When manually tripping or disengaging;Terminals 11 and 12 are connect-ed (The auxiliary contact is passive type);	18	AC230V/400V DC12-24V/ 48-60V/110V	KFB3-63Z	右侧 right

名称 name	订货型号 Ordering	信号端子通断状态 On off status of signal terminal	宽度 Width	控制电压(V) Control voltage	匹配断路器 Matching circuit breaker	拼装于断路器位置 Assembled at the position of circuit breaker
过欠压脱扣器 Overvoltage and undervoltage release						
 * 接线图 Wiring diagram	MN+MV	–	18	AC220-240V	KFB3-63 KFB3L-63s	左侧 left
	MN+MV3				KFB3-125	右侧 right
	MN+MV6				KFB3-80 KFB3LY-80	左侧 left

*：脱扣器控制线应接于断路器出线端 *: the control line of the release shall be connected to the Load terminal of the circuit breaker

安装位置：

辅助触头与其他附件同时拼装时，辅助触头应置于开关最外侧；

分励脱扣器与过欠压脱扣器不能同时拼装。

分励脱扣器或过欠压与辅助触头或报警触头同时拼装时，分励脱扣器或过欠压脱扣器应置于开关最内侧。

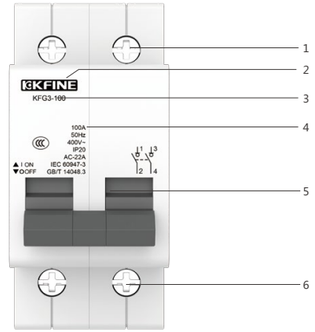
Installation location Shunt trip unit:

When the auxiliary contacts are assembled together with other accessories, the auxiliary contacts should be placed on the outermost side of the switch.

The shunt trip unit and the overvoltage and undervoltage trip unit cannot be assembled simultaneously.

When the shunt trip unit or overvoltage and undervoltage trip units are assembled simultaneously with auxiliary contacts or alarm contacts, the shunt trip unit or overvoltage and undervoltage trip unit should be placed on the innermost side of the switch.

KFG3-100系列隔离开关 KFG3-100 series isolation switch



1	进线端	1 Power end
2	品牌	2 Brand
3	型号	3 Model
4	额定电流	4 Rated current
5	手柄	5 Handle
6	出线端	6 Load terminal

特性 Characteristic

用途及特点 Uses and Features

- 适用于民用住宅、工业、建筑等领域中的工业配电系统
  Suitable for residential, industrial, construction and other fields in the industrial power distribution systems
- 具有带负荷分断、接通线路功能
  Having with load breaking, switched circuit function

符合标准 Standards compliant

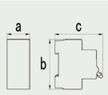
符合GB/T 14048.3和 IEC/EN 60947-3
Comply with GB/T 14048.3 and IEC / EN 60947-3

型号及含义 Model and meaning

KF G 3 - 100 □ / □

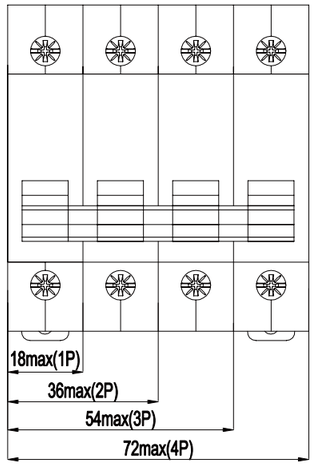
- 极数：1P/2P/3P/4P
  Number of poles：1P / 2P / 3P / 4P
- 额定电流：32A、63A、80A、100A
  Rated current：32A, 63A, 80A, 100A
- 壳架等级：100A
  Frame size：100A
- 设计序号：3
  Design：No. 3
- 产品代号：隔离开关G
  Product Code：disconnector G
- 企业代号：KF（江苏大全凯帆开关股份有限公司）
  Corporate code：KF (Jiangsu Daqo Kfine Switch Co., Ltd.)

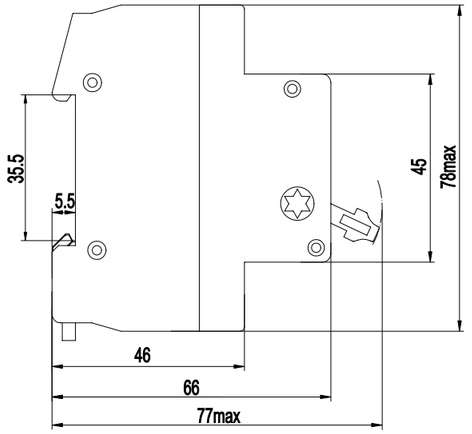
技术参数 Technical Parameters

KFG3-100系列隔离开关 KFG3-100 series isolation switch						
一般配电保护用 General Distribution protection （IEC60947-3;GB/T 14048.3）						
极数 Poles			1P	2P	3P	4P
壳架等级额定电流 Frame degree rated current			100			
电气性能 Electrical performance						
功能 Features			隔离、控制 Isolation, control			
额定频率 Rated frequency	f	（Hz）	50/60			
额定工作电压 Rated working voltage	Ue	（VAC）	230/400	400		
额定工作电流 Rated current	In	（A）	32、63、80、100			
额定绝缘电压 Rated insulation voltage	Ui	（VAC）	500			
冲击耐受电压 Impulse withstand voltage	Uimp	（kV）	6			
额定短时耐受电流 Rated short time withstand current	Icw	Ie/1s	20			
额定短路接通能力 Rated short-circuit making capacity	Icm	Ie/0.1s	20			
预期使用寿命 Expected service life	机械 Mechanical		10000			
	电气 Electric		2000			
连接与安装 Connection and installation						
防护等级 Protection class			IP20			
使用类别 Use category			AC-22A			
接线能力 Connection capacity		（mm^2）	1~35			
使用环境温度 Ambient temperature		（℃）	-35~+70			
抗湿热性 Kangshire sex			2类 Class 2			
海拔 Altitude		(m)	≤2000			
空气相对湿度 Relative humidity			+20℃时，不超过95%；+40℃时，不超过50% + 20 ℃ when not more than 95%; + 40 ℃ when not more than 50%			
污染等级 Pollution Level			3			
安装环境 Installation Environment			无显著震动和冲击的地方 No significant vibration and shock of the place			
安装类别 Installation category			Ⅲ级 Grade Ⅲ			
安装方式 Installation			TH35mmx7.5mm标准导轨			
外形尺寸（mm） Dimensions (mm) 宽×高×深 Width×height×depth		a	18	36	54	72
		b	78	78	78	78
		c	77	77	77	77
重量 Weight（kg）			0.07	0.14	0.21	0.28

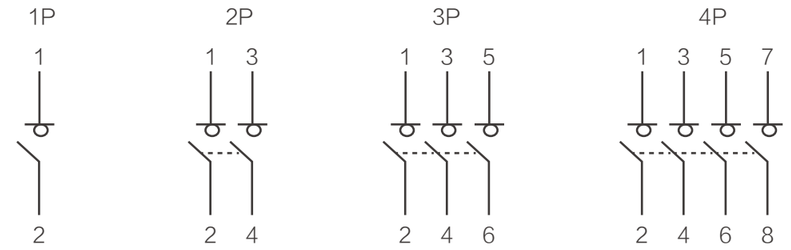
■标准配置 Standard □可选 Optional configuration -无 No

外形与安装尺寸 Outline and installation dimensions





电气线路图 Electrical wiring diagram



订货举例 Ordering example

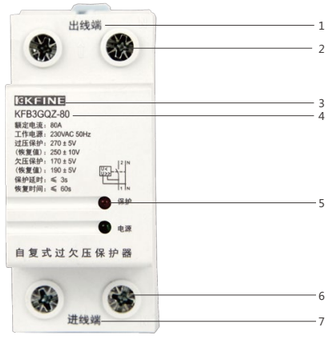
产品型号：KFG3-100 63A/2P

表示：KFG3-100系列小型隔离开关,额定电流63A，2P产品。

Product model: KFG3-100 63A / 2P

Indicates: KFG3-100 series small disconnector, rated current 63A, 2P product

KFB3GQZ系列自复式过欠压保护器 KFB3GQZ series self compound over and under voltage protector



1、7	零线位置标识	1. 7 zero line position identification
2、6	进、出线端	2. 6 Power end and Load terminals
3	品牌	3 brand
4	型号、额定电流	4. Model and rated current
5	指示灯	5 indicator light

特性 Characteristic

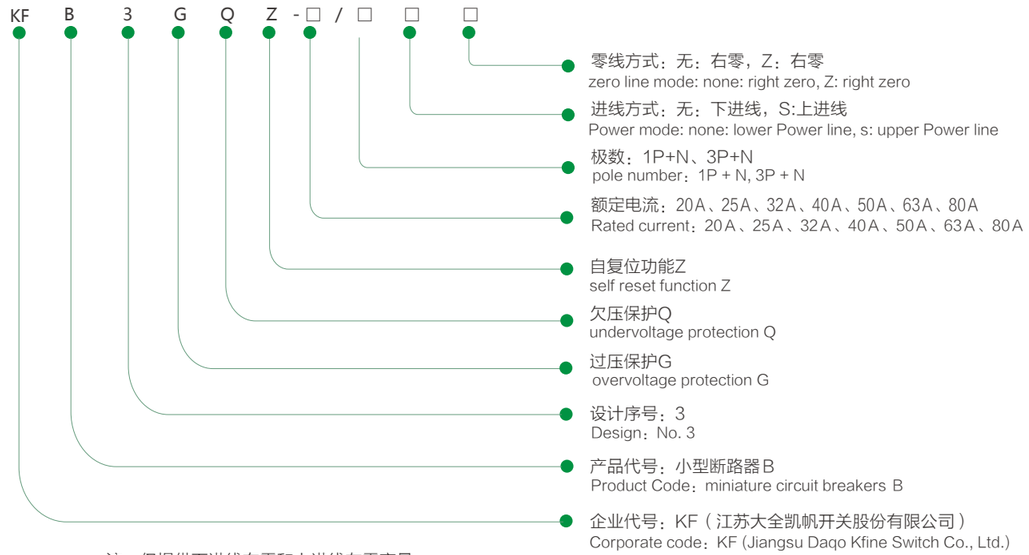
用途及特点 Uses and Features

- 主要用于建筑电气和民用照明低压配电系统中的住宅分户箱进线或需要保护的单相、三相用电设备的配电线路中以及工业控制系统的配电保护。
  It is mainly used for residential household box Power line in building electrical and civil lighting low-voltage distribution system or distribution line of single-phase and three-phase electrical equipment that need to be protected, as well as distribution protection of industrial control system.
- 具有过欠压保护延时跳闸、电压恢复后自动接通恢复供电功能。
  It has the function of over-voltage and under-voltage protection delay trip, automatic connection and power supply recovery after voltage recovery.

符合标准 Standards compliant

JB/T 12762 《自恢复式过欠压保护器（OUPA）》
JB / T 12762 self recovery over and under voltage protector (oupa)

型号及含义 Model and meaning



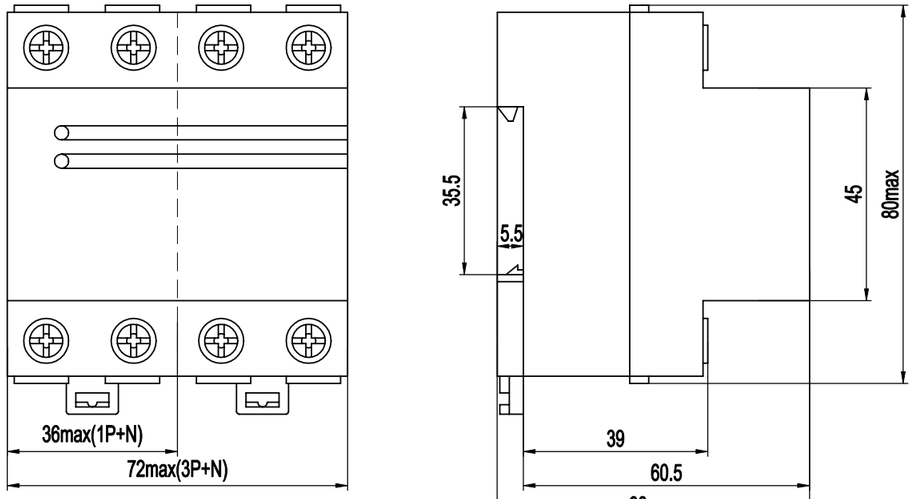
注：仅提供下进线右零和上进线左零产品。
Note: only the right zero of the lower Power line and the left zero of the upper Power line are provided.

KFB3GQZ系列自复式过欠压保护器 KFB3GQZ series self compound over and under voltage protector

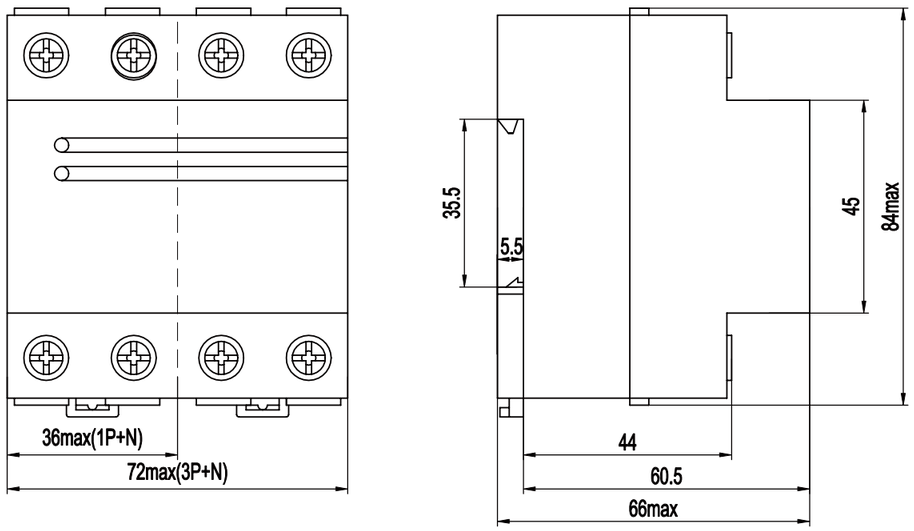
KFB3GQZ系列自复式过欠压保护器 KFB3GQZ series self compound over and under voltage protector			
建筑电气、民用照明和工业配电用（JB/T 12762） For building electrical, civil lighting and industrial power distribution（JB/T 12762）			
极数 Pole number		1P + N	3P + N
电气性能 Electrical performance			
额定电流（A） Rated current (A)		20、25、32、40、50、63、80	
额定工作电压Ue（VAC） Rated working voltage Ue (VAC)		AC230V	AC230V
额定绝缘电压Ui(VAC) Rated insulation voltage UI (VAC)		500	
额定频率(Hz) Rated frequency (Hz)		50	
额定冲击耐受电压Uimp(kV) Rated impulse withstand voltage Uimp (kV)		4	
额定限制短路电流能力(A) Rated capacity of limiting short circuit current (A)		1500	
功耗（W） Power consumption (W)		≤2W	
过压动作值 (VAC) Overvoltage action value (VAC)		270 ± 5	270 ± 5
过压动作时间(s) Overvoltage action time (s)		0.1s≤t≤5s	
过压恢复值(VAC) Overvoltage recovery value (VAC)		250 ± 10	250 ± 10
欠压动作值(VAC) Undervoltage action value (VAC)		170 ± 5	170 ± 5
欠压动作时间(s) Undervoltage action time (s)		0.6s≤t≤5s	
欠压恢复值（VAC) Under voltage recovery value (VAC)		190 ± 5	190 ± 5
延时复位时间 (s) Delay reset time (s)		≤60	
预期电气寿命 Expected electrical life		10000	
使用环境 Usage environment			
环境温度（℃） Ambient temperature (℃)		-20~+65	
空气相对湿度 Air relative humidity		+20℃时，不超过95%；+40℃时，不超过50%	
海拔（m） Altitude (m)		≤2000m	
接线与安装 Wiring and installation			
防护等级 Protection level		IP20	
接线方式 Wiring mode		上进线左零、下进线右零(默认)	
接线能力（mm^2） Wiring capacity (mm^2)		25(20~63A)/35(80A)	
接线螺钉 Connecting screw		M5，扭矩2N.m	
污染等级 class of pollution		3	
安装环境 Installation environment		无显著冲击和震动的地方	
安装类别 Installation category		Ⅲ类	
安装方式 Installation mode		TH35mm*7.5标准导轨	
最大尺寸（长×宽×高） mm 20~63A	20~63A	80×36×66	80×72×66
	80A	84×36×66	84×72×66

外形及安装尺寸 Outline and installation dimensions

KFB3GQZ-20~63外形尺寸

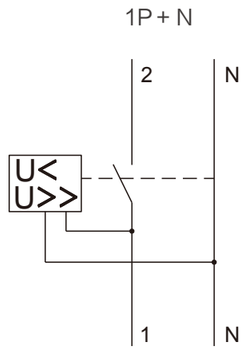


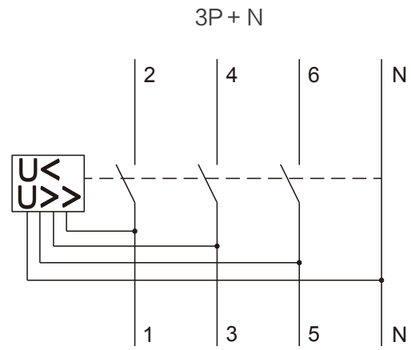
KFB3GQZ-80外形尺寸



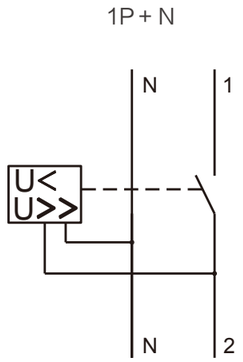
电气线路图 Electrical wiring diagram

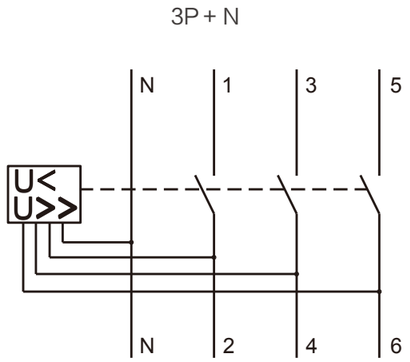
下进线:





上进线:





订货举例 Ordering example

产品型号：KFB3GQZ-63/1P+N

表示：KFB3GQZ系列自复式过欠压保护器,额定电流63A,下进线，右侧零线，1P+N产品。

Product model: KFB3GQZ-63 / 1P + N

Indicates: KFB3GQZ series self resetting overvoltage and undervoltage protector, rated current 63A, lower Power line, right zero line, 1P + N product.