

Outdoor High-voltage Dropout Fuse Cutouts

Fuse Cutouts

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Fuse Cutouts

• Application

The primary purpose of any fuse cutouts is to provide protection to the lines of your system and the various apparatus on those lines such as transformers and capacitor banks. Fuse cutouts provide reliable protection from low-level overloads that just melt the fuse link, intermediate faults, and very high faults, through maximum interrupting capacity.

• Quality Construction

Top Contact

The top contact is attached to the galvanized-steel hood by a stainless rivet to provide a smooth self-aligning action during closing even in severely corrosive environments. The top contact provides a socket-type cavity for latching the fuse holder and prevents any possible "over-travel" of the fuse holder. The top contact is made of a highly conductive copper strip with silver-plated embossments to resist corrosion. The contacts are held under constant pressure designed to maintain firm contact with the fuse holder contact surface until fault interruption is accomplished."

Hinge

The hinge on the Fuse cutout employs large pivot areas for the fuse holder's trunnion and is cast of a copper alloy chosen for its strength and corrosion resistance. The hinge contacts are highly conductive copper alloy stampings and are plated to assure low resistance current transfer from the trunnion casting. The parallel current paths are backed up by high strength cantilever springs and are riveted to the hinge castings. Fuse holder can be dropped into place and easily lifted up and out. No tricky maneuvering.

Fuse holder

The solid cap on the single vent fuse holder is a copper alloy, silver-plated to provide efficient current transfer. An integral ring is provided in the top tube casting for opening and closing the fuse holder with conventional disconnect tools from the ground, from a bucket truck or from the pole.

The toggle type trunnion casting is a selective silver-plated bronze for efficient current transfer to the lower hinge contacts. A cam shaped projection on each side of the trunnion casting provides high pressure parallel current paths to the lower contacts. These projections, or pivot pins, are cast full round for smooth rotational operation in the hinge. The link ejector assists in arc interruption during low fault current or excessive overload conditions. A groove in the center of the link ejector allows the fuse link's pigtail to go directly from the fuse tube to the attachment nut. A curved ejector minimizes bending stresses in the pigtail to prevent broken strands. A stainless steel torsion spring on the link ejector helps to rapidly eject the link from the bore of the fuse holder during interruption. The 200 ampere link ejector has a wider groove area and increased spring force to accommodate the larger links.

Fuse tube

The 1/2-inch inside diameter of the Fuse cutouts 100 ampere fuse tube increases internal pressure giving superior and reliable expulsion action. During frequently encountered intermediate fault ranges this diameter also permits higher TRV(transient recovery voltage) values to be tolerated. This small bore design eliminates any concern related to high impedance phase-to-phase faults on ungrounded wye and delta systems.

The inside liner is constructed of a synthetic arc-quenching material. The tube is made of fiberglass which permits the smaller bore and provides a higher burst strength. It is protected from the weather and environment by a special ultra-violet resistant coating.

Also, the XIYA fuse tube operates with fuse links from all major suppliers.

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Mounting Bracket

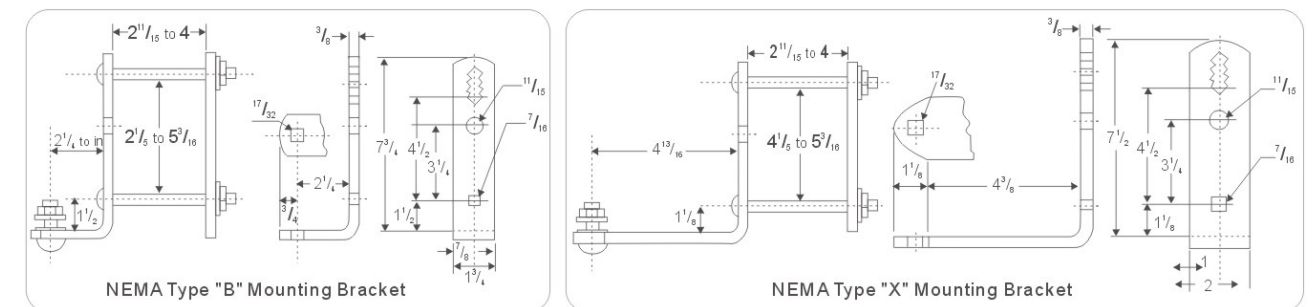
Fuse cutouts come packed one per carton including a NEMA Heavy Duty "B" bracket with captive 11/2" bolt for cross arm mounting.

Type "X" bracket, also for cross arm mounting, provides 25/8" additional clearance between the cross arm and the cutout.

Higher Interrupting Capacities

By using a copper arc shortening rod inside the top of the fuse tube, higher interrupt ratings are obtainable. An arc shortening rod is attached to the cap of some fuse tube and lowers the fuse link within the fuse tube. This permits a much shorter arc, resulting in less arc energy, and higher interrupting capacities.

For 200 A tubes, it allows for full voltage rating. It is necessary to use fuse links with removable button heads when arc shortening rods are employed.



Note: Following the cross-reference of metric system and British system (1 in=25.4mm)

Outdoor High-voltage Dropout Fuse Cutouts

XK1 Series Porcelain Housing Dropout Fuse Cutouts

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Parts Designation of Fuse Cutouts for Type XK1

Tin-plated bronze terminals for use
with copper or aluminum conductor

Copper current path

Bird-proofed one-piece
solid-porcelain insulatorTwo-place locking to prevent sidemovement
of hood,contacts or hooks

Galvanized steel channel

Stainless steel backup
spring to maintain con-
tact pressure

Silver-to-silver contacts

Galvanized steel hooks for
loadbreak toolCast bronze top tube casting
and pull ringHigh-strength fiberglass fuse-
tube coated with ultra-violet
inhibitor

Copper current path

Tin-plated bronze terminals
for use with copper or
aluminum conductorSilver-to-silver contacts
with stainless steel
backup springsCast bronze hinge for
corrosion resistanceFuseholder toggle latch limits
tension of fuselinkMechanical assist:
Fuseholder is available with a
torsional spring on trunnion to aid
drop out operation in corrosive
environments.Large nut to fasten fuselink
without breaking strands

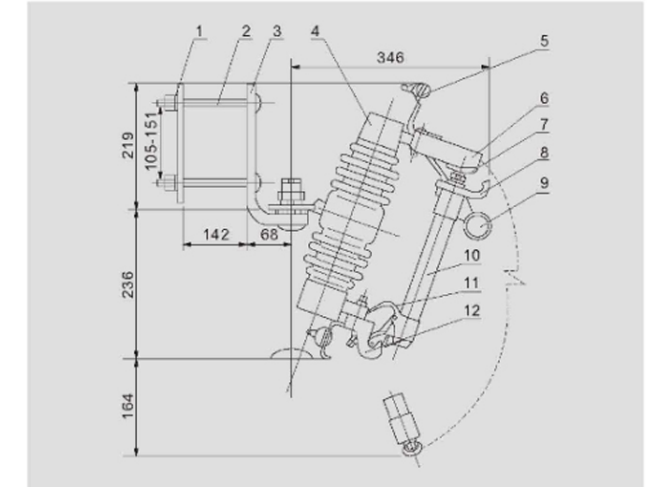
Outdoor High-voltage Dropout Fuse Cutouts

XK1 Series Porcelain Housing Dropout Fuse Cutouts

技术参数 Technical Parameter

编号 No.	部件名称 Description
1	背板 Back Plate
2	长螺杆 Long Bolts
3	安装支架 Mounting Bracket
4	瓷件(或陶瓷绝缘子) Porcelain
5	接线座 Connector
6	上支座 Upper Housing
7	上触头 Upper Contacts
8	附属钩 Attachment Hooks
9	操作环 Operation Ring
10	熔丝管 Fuse Tube
11	套环接头 Toggle Joint
12	下支座 Lower Housing

外形尺寸 Overall Dimensions



熔丝的选择 Selection of fuse

The choice of fuse should be able to ensure that the distribution transformer internal or high, low-voltage lead-out bushing short-circuit can be quickly fused. In practice, the following principles are usually followed: for the fitting transformer with a capacity below 160kVA, the fuse is selected by 2 ~ 3 times of the rated current of the transformer; for the distribution transformer with a capacity of 160kVA or above, the fuse is selected by 1.5 ~ 2 times.

The choice of fuse wire must consider whether the fuse wire's fusing characteristics can match with the superior protection time, which is the key issue to decide whether the fuse wire protection can be effective. The operation time of quick break protection for distribution lines is very short, about 0.1 s. According to the characteristic curve of the fuse, the current of the fuse should not be less than 20 times of the rated current within 0.1 s. This data is to ensure that the fuse and the first end of the circuit breaker with the necessary conditions.

In actual operation, for substations with short-circuit capacity of more than 50MVA, 50 ~ 150mm aluminum lines are main lines, distribution transformers less than 1250kVA within 1km from substations, or transformers less than 800kVA within 2km, and 400kVA transformer outlet short-circuit current within 10km can reach the fuse rated current more than 20 times (fuse by 1.5 times selection). For the over-current protection of distribution lines, the operation time is longer, it is easier to cooperate. This shows that for most distribution transformers can be used as fuse protection. The selection of fuse specific specifications can be referred to the table.

熔丝的技术参数 Technical parameter of fuse

Transformer capacity (kVA)	Rated current (A)	Fuse specification
10	0.58	3
20	1.15	3
30	1.73	3 ~ 5
50	2.89	5 ~ 10
63	3.64	7.5 ~ 10
80	4.62	10 ~ 15
100	5.77	10 ~ 15
125	7.22	15 ~ 20
160	9.24	15 ~ 20
200	11.55	20
315	18.19	30

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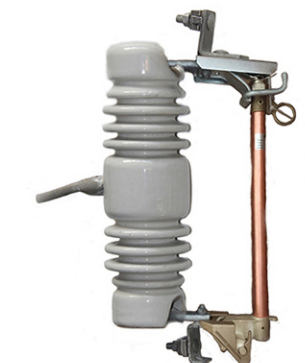
12kV-15kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	12	100	6300	110	40	250	6.5	39X30X10
XK ₁	RW12	12	200	12500	110	40	250	6.6	



12kV-15kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	12	100	6300	110	40	250	6.5	39X30X10
XK ₁	RW12	12	200	12500	110	40	250	6.6	



12kV-15kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	12	300	1600	110	42	230	7.7	40X30X11
XK ₁	RW12	12	400	1600	110	42	230	8.2	



15kV-24kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	15	100	8000	125	45	320	8.3	50X36X12.5
XK ₁	RW12	15	200	10000	125	45	320	8.4	

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XK1 Series Porcelain Housing Dropout Fuse Cutouts

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15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁ -F	RW12	15	100	8000	125	45	320	8	58X40X15
XK ₁ -F	RW12	15	200	12500	125	45	320	8	



15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	15	100	8000	125	45	320	8.3	50X36X12.5
XK ₁	RW12	15	200	10000	125	45	320	8.4	



15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	15	100	8000	125	45	320	8.3	50X36X12.5
XK ₁	RW12	15	200	10000	125	45	320	8.4	



24kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 组装 (cm)
XK ₁	RW12	24	100	6300	150	65	470	11	50X38X12
XK ₁	RW12	24	200	10000	150	65	470	11.5	

Outdoor High-voltage Dropout Fuse Cutouts

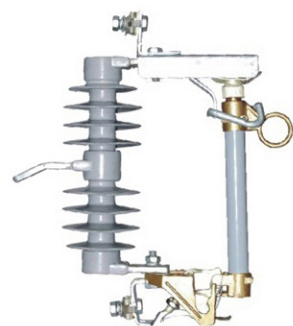
XK1 Series Porcelain Housing Dropout Fuse Cutouts

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33kV-36kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₁	RW12	33	100	1000	170	70	660	13.2	64X35X18
XK ₁	RW12	33	200	12500	170	70	660	13.5	



12kV-15kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
HXK ₁	HRW12	12	100	6300	110	40	250	6	60X36X11.5
HXK ₁	HRW12	12	200	12500	110	40	250	6	



15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
HXK ₁	HRW12	27	100	8000	125	45	600	6.5	50X36X12.5
HXK ₁	HRW12	27	200	12500	125	45	600	6.5	



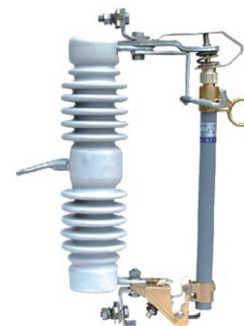
35kV-40.5kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
HXK ₁	HRW12	35	100	6300	170	70	1100	14	71X36X15
HXK ₁	HRW12	35	200	8000	170	70	1100	15	

Outdoor High-voltage Dropout Fuse Cutouts

XK2 Series Porcelain Housing Dropout Fuse Cutouts

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15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₂	RW12	15	100	10000	125	45	320	7.5	50X36X12.5
XK ₂	RW12	15	200	12500	125	45	320	7.5	



33kV-36kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₂	RW12	33	100	10000	170	70	660	13.2	64X35X18
XK ₂	RW12	33	200	12500	170	70	660	13.5	



33kV-36kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₂	RW12	35	100	6300	170	70	720	14	63X37X16.5
XK ₂	RW12	35	200	12500	170	70	720	15	



24kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power-frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
HXK ₂	HRW12	24	100	8000	150	65	540	7	50X38X16
HXK ₂	HRW12	24	200	12500	150	65	540	7	

Outdoor High-voltage Dropout Fuse Cutouts

XK3 Series Porcelain Housing Dropout Fuse Cutouts

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15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₃	RW12	15	100	8000	125	45	340	7.5	50X36X12.5
XK ₃	RW12	15	200	12500	125	45	340	7.5	



12kV-15kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₃ -F	RW12	15	100	8000	125	45	340	8	58X40X15
XK ₃ -F	RW12	15	200	12500	125	45	340	8	



15kV-27kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK ₄	RW12	24	100	6300	110	40	470	6.5	40X36X11.5
XK ₄	RW12	24	200	12500	110	40	470	6.5	

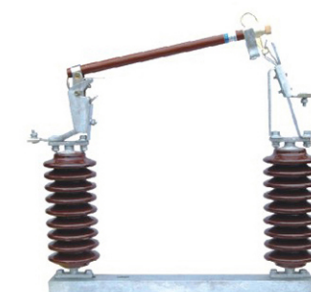


10kV-12kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
Xk ₄	RW5	11	100	8000	125	45	320	6.5	40X36X11.5
XK ₄	RW5	11	200	12500	125	45	320	6.5	

Outdoor High-voltage Dropout Fuse Cutouts

Porcelain Housing Dropout Fuse Cutouts



33kV-36kV

Code 代码	Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
Xk ₄	RW5	33	100	6300	170	70	660	20	66X33.5X17
XK ₄	RW5	33	200	8000	170	70	660	28	



15kV-27kV

Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
XK-15	15	100	6300	125	45	400	6.5	51X33X11.5
XK-15	15	200	12500	125	45	400	7	



24kV-27kV

Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
HRW 12-27	27	300	25	170	70	720	8.5	73X36X16
HRW 12-27	27	400	25	170	70	720	9	



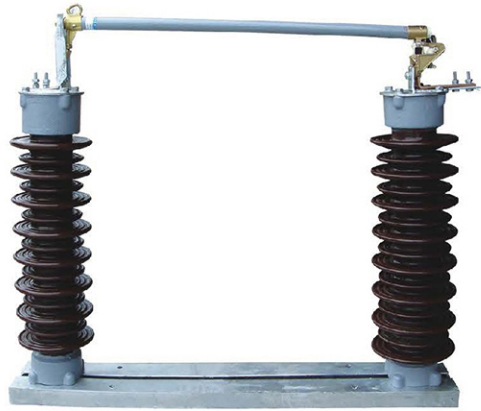
10kV-12kV

Type 型号	Rated Voltage 额定电压 (kV)	Rated Current 额定电流 (A)	Breaking Current 开断电流 (A)	Impulse Voltage 冲击电压 (BIL)	Power- frequency withstand voltage 工频耐压 (kV)	Leakage distance 爬距 (mm)	Weight 重量 (kg)	Dimensions 包装尺寸 寸组 (cm)
HPRWG1-12F	12	100	6300	125	45	380	5	57X35X43
HPRWG1-12F	12	200	12500	125	45	380	5.5	

Outdoor High-voltage Dropout Fuse Cutouts

RW Series Porcelain Housing Dropout Fuse Cutouts

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RW6-66KV

适用范围

- 产品基本使用条件：
 - ① 海拔高度：普通型不超过3000m。
 - ② 环境温度不高于+40℃，不低于-40℃。
- 产品不适用于下述场所：
 - ① 有燃烧或爆炸危险场所；
 - ② 有剧烈震动或冲击场所；
 - ③ 严重脏污、盐雾地区。

用途 Application

RW6-66型户外高压熔断器适用于66kV输电线路的电力变压器短路及回路保护。在一定条件下切合空载线路、空载变压器及小负荷电流。在一定条件下可以拉合空载架空线路，空载变压器及小负荷电流。

产品结构如图所示，它由棒式绝缘子，接触导电系统和熔丝管等四个主要部分组成，产品运行时系串联在线路中。正常工作时，当熔丝张紧后，使熔丝管上的活动关节锁紧，故熔丝管能在上静触头的压力下处于合闸位置，当系统发生故障时，故障电流使管内形成很高压力，并沿管道形成强烈纵吹，使电弧迅速拉长。在电流过零时，由于强烈去游离作用而熄灭。熔丝熔断后，下部动触头失去张力而下翻，使锁紧机构释放，熔丝管在触头弹力和熔丝管自身重量的作用下，回转跌落，形成明显可见的隔离间隙。熔丝管采用钢纸管环氧玻璃布复合管制成，在制造时直接将环氧玻璃布卷在钢纸管上，故有较高机械强度，并能保证连续三次顺利开断额定断流容量。

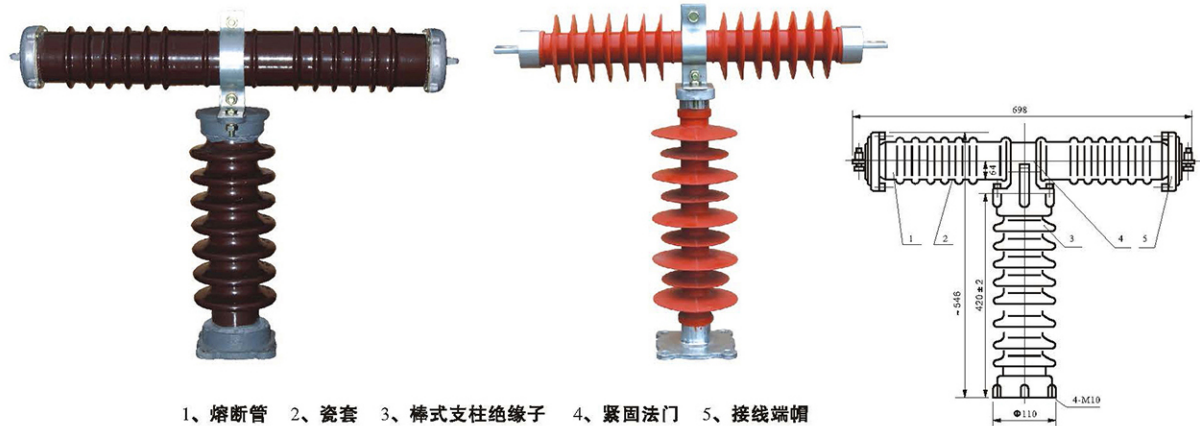
主要技术数据 Major Technical Date

型 号 Type	额定 电压 Rated Voltage (kV)	额定 电流 Rated Current (A)	短流容量 (MVA) 上限	短流容量 (MVA) 下限	重量 Weight (kg)
RW6-66KV/100A	66	100	500	20	180KG
RW6-66KV/200A	66	200	800	—	

Dropout Fuse Cutouts Accessory

High-voltage Current-limiting Fuse

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1、熔断管 2、瓷套 3、棒式支柱绝缘子 4、紧固法门 5、接线端帽

结构说明 Note Structure

熔断器由熔体管、瓷套、紧固法门、棒形支柱绝缘子和接线端帽等组成。用压装的方法将两端的接线端帽和熔体管固定在瓷套内、然后用紧固法门把瓷套固定在棒形支柱绝缘子上，其结构说明和外形尺寸如图所示。熔体管采用含氧化硅较高的原料作灭弧介质，应用小直径的金属线做熔丝。当过载电流或短路电流通熔体管时，熔丝立即熔断，电弧发生在几条并联的窄缝中，电弧中的金属蒸汽渗入石砂中，被强烈游离，迅速把电弧熄灭。所以，这种熔断器性能良好，开断容量大。

The fuse is made up of fuse pipe,porcelain sheath,fastening flange,stick support insulator,terminal capetc.Separately fix up the terminal cap and fuse pipe in the porcelain sheath by the press way,then use the fastening flange to fix up theporcelain sheath on the stick support insulator.Refer to the chart for its structure and external dimensions.The fuse pipe adopts the material with high content of oxidation silicon as the are extinguishing media.And uses small-diameter metal line as fuse wire.When the overload current or the short-circuit current passes the fuse pipe,the fuse wire immediately isbroken,the electric are occurs in a few parallel-connection gaps,the metal steam in the electric arc infiltrates into the quartz sand,and it is liberated strongly,then quickly puts out the electric arc.Thus,this fuse has good performance and big breaking capacity.

技术参数 Technical Parameter

型 号 Type	额定 电压 Rated Voltage (kV)	额定 电流 Rated Current (A)	断路器容量(三相) (兆伏安) Capacity of largest blanking of three-phase	熔断电流 Fuse current (A)	切断最大短路 电流限流值 The max breaking current (kA)	过电压倍数不超过 Overvoltage multiplee Do not exceed	重量 Weight (kg)	备注 Note
RXWO-35/0.5 RW10-35/0.5	35	0.2	1000	0.6~1.8	16	2.5倍工作电压 Voltage of 2.5 times of rating	23	保护电压 互感器
RXWO-35/2 RW10-35/2	35	2	200	3~4	14		23	保护电力 线路
RXWO-35/3 RW10-35/3	35	3	200	4.5~6	14		23	
RXWO-35/5 RW10-35/5	35	5	200	8~10	14		23	
RXWO-35/7.5 RW10-35/7.5	35	7.5	200	1~15	14		23	
RXWO-35/10 RW10-35/10	35	10	200	15~20	14		23	

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Fuse Link

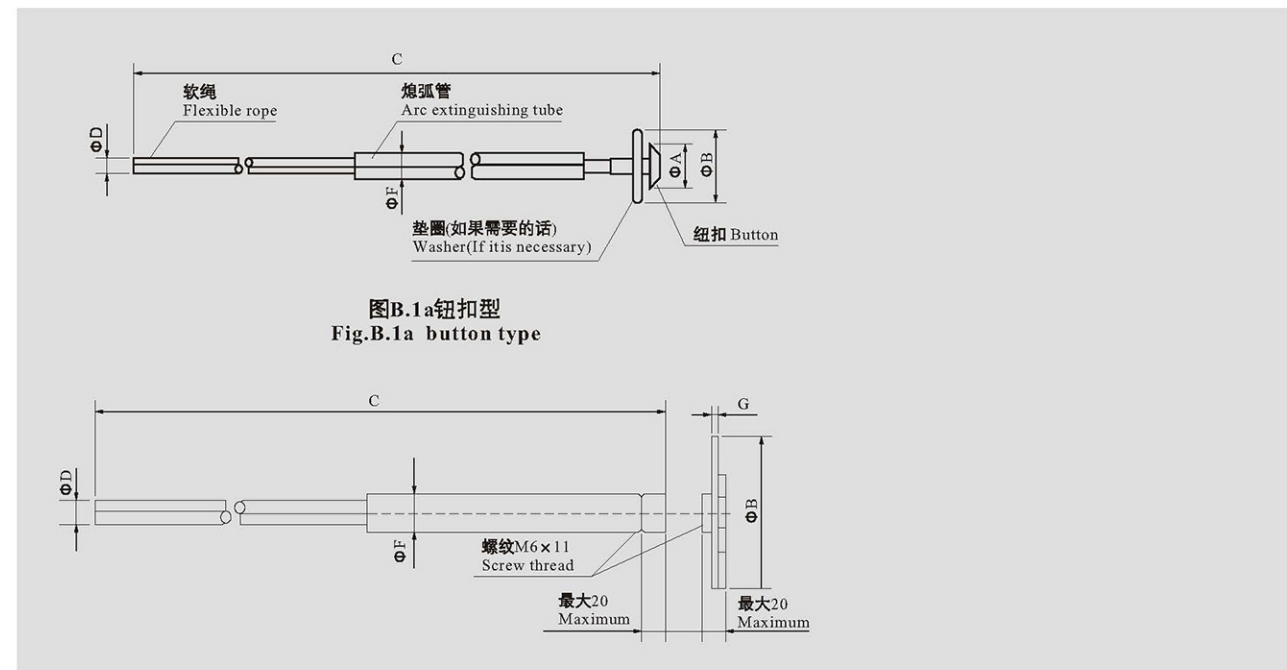
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"KB、KU、KS" 型熔丝(FUSE LINK)

属“K”、“T”型熔断丝根据 IEC-282 标准,有普通式、万能式、螺纹式三种类型。此产品适用于 11~36kV 电压等级跌落式熔断器。

"KB、KU、KS" type fuses belong to "K" and "T" type fuse, it has general type, universal type and screw type available according to IEC-282 standard. The product drop-off type fuse of 11~36kV grade.

外形尺寸 Overall Dimensions



图B.1a 纽扣型
Fig.B.1a button type

技术参数 Technical Parameter

额定电流 Rated Current (A)	尺寸 Dimension (mm)					数量/箱 Quantity/catron
	A	B	C	D	F	
1 ~ 25	12.5 ± 0.2	19.0 ± 0.2	注(Note)1	2.0	6.5	500
30 ~ 40	12.5 ± 0.2	19.0 ± 0.2		3.0	8.0	500
50 ~ 100	19.0 ± 0.3	不适用 (Not applicable)		5.0	10.0	250
140 ~ 200	19.0 ± 0.3			7.0	12.0	150

Dropout Fuse Cutouts Accessory

Fuse Link

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新型带扣熔丝

采用新型熔体“K”型熔丝化速率为6-8,“T”型熔化速率10-13,属国家资源部推广产品,广泛应用RW10、RW11、RW20、PRWG1、PRWG2型等跌落式熔断器。

The new type fuse link with button: The product is made of "K" type fuse link is 6-8 melting speed, and "T" type with 10-13 melting speed, these two types off are link are popularized by National Resource Department and are widely applied to RW10、RW11、RW20、PRWG1、PRWG2 type and so on drop off type fuse.

普通带扣熔丝

采用传统的银铜合金,其熔化速率为10-13,此产品适用于RW10、RW11、RW20、PRWG1、PRWG2等跌落式熔断器。

The general fuse link with button: The product is made of traditional silver and copper alloy, and its melting rate is 10-13. It applies to RW10、RW11、RW20、PRWG1、PRWG2 type and so on drop off type fuse.

无扣普通熔丝

采用传统的银铜合金,其熔化速率为10-13,此产品适用于RW1-10、RW3、RW4、RW5、RW7等跌落式熔断器。

The general fuse link with button: The product is made of traditional silver and copper alloy, and its melting rate is 10-13. The product applies to RW1-10、RW3、RW4、RW5、RW7 and so on drop-out type fuse.

新型带扣熔丝

采用新型熔体“T”型熔丝熔化速率为10-13,此产品适用于RW6-66kV、RW5-35kV跌落式熔断器上。

The new type fuse "T" type, and its melting rate is 10-13, it applies to RW6-66kV、RW5-35kV on drop-out type fuse.

高压电容器专用熔断熔丝

BR1、BR2、BRW、BRN、BRW2、BR、RN、RNYI、RNG、BR₂W、RW型熔断器供10kV及以下的电力系统中的星形连接的电容器组合单台电容器的内部故障保护之用。能可靠、迅速地断开故障电容器,从而避免因电容器内部由元件击穿而可能引起的爆炸事故,使电网继续安全运行。

The special fuse for high voltage capacitor: BR1、BR2、BRW、BRN、BRW2、BR、RN、RNYI、RNG、BR₂W and RW type fuse is used as internal fault protection for single capacitor of star connection capacitor combination in 10kV and less power system, the product can reliably and quickly disconnect the fault capacitor so as to avoid explosion accident as a result of component break down inside the capacitor to ensure that the power net operates continuously and safely.



Dropout Fuse Cutouts Accessory

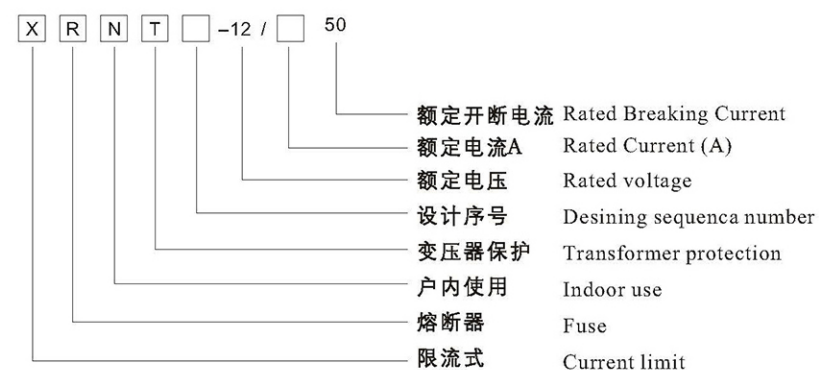
High-voltage Current-limiting Fuse

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本产品适用于户内交流50Hz, 额定电压12kV系统, 可与其他开关电器如负荷开关中、真空接触器配合使用, 作为电力变压器其它电力设备短路、过载的保护元件, 又是高压开关柜, 环网柜、高/低压预装式变电站必备的配套产品。

It can be used in indoor system of 50Hz and rated voltage of 12kV. Used together with other switch facilities such as loading switches, vacuum contactors, it can protect electric transformers and other electric facilities against overload or circuit break. It is also a necessary accessory for high-voltage switch box, circular circuit cabinet, high/low voltage top-loading transformer substation.

国内型号 Domestic Types



同等国外型号 Abroad Counterparts



型号 Type	等同型号 Counterpart	额定电压 Rated voltage (kV)	熔断器额定电流 Rated current of the fuse(A)	熔体额定电流 Rated current of the fuse limit(A)
XRNT-12	SDLAJ	12,24,36	63	6.3,10,16,20,25,31.5,40,50,63
	SFLAJ	12,24,36	100	50,63,71,80,100
	SKLAJ	12,24,36	125	125
		12,24,36	200	160,200

Dropout Fuse Cutouts Accessory

High-voltage Current-limiting Fuse

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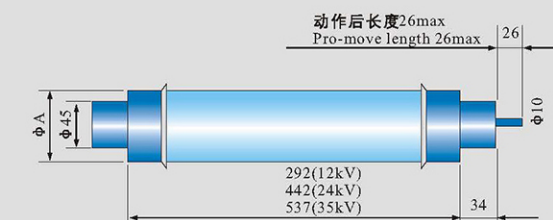


图1/a 熔断器 Chat 1/a fuselink

注: φA: 51mm(<63A) φ76mm(>40A) φ88(160A和200A)
Note: φA: 51mm(<63A) φ76mm(>40A) φ88(160A and 200A)

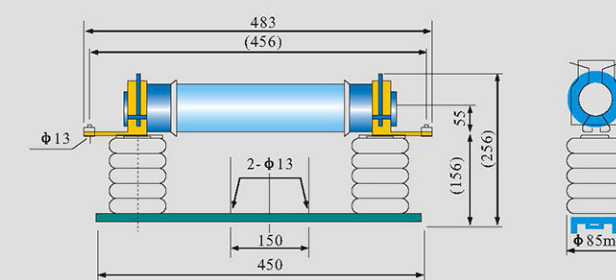
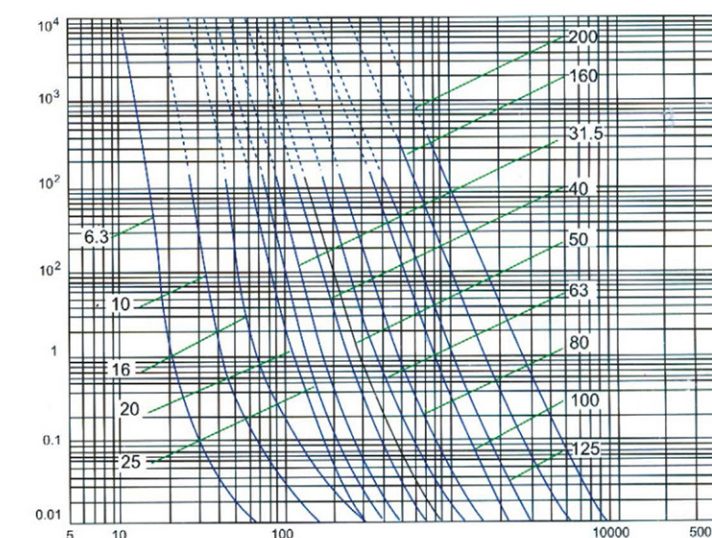


图1/b 熔断器 Chat 1/b fuselink(12KV)

主要技术数据 Major Technica Date



预期电流有效值(A): Anticipated current valid value(A)

图2 XRNT3A-12 时间--电流特性曲线

chart 2 XRNT3A-12 Time-Current Property Curve