高压限流熔断器的使用导则 Operation guide for H.V. Current-limiting fuse

熔断器额定电压的选择 Selection of rated voltage for fuse

熔断器的额定电压与电网电压相符　限流熔断器一般不宜降低电压使用．以避免熔断体截断电流时，产生的过电压超过电网允许的2.5倍工作电压

1.一般用三相电路的熔断器其额定电压按相应额定线电压选择；

2.用于单相系统熔断器，其额定电压按最高相电压的115%选择；

3.用于三相中性点绝缘系统或谐振接地系统时，因系统可能发生所谓双接地故障，即一个故障点在电源侧而另一个在负载侧，且不同相　此时熔断器的额定电压应按最高线电压选择

4.用于三相中性点直接接地或经阻抗中性点接地系统时，按最高线电压选择

Rated voltage of fuse should accord with mains voltage.Generally current-limiting fuse can't be used under declining voltage,to avoid the circumstance of produced over voltage exceeding 2.5 times of electric network's allowed working voltage when fuse link cutting off the current.

1.Rated voltage of general fuses with three-phase circuit should be chosen according to the corresponding rated wire voltage.

2.Fuses used in single-phase system,its rated voltage should be of 115% of max phase voltage.

3.When used in three-phase neutral point insulation system or resonance earthed system, as double earth fault may occur to the system,i. E.one fault point is at power side while the other at load side, and the phase is different.Now the rated voltage of fuse should be chosen according to max wire voltage.

4.When used in three-phase neutral point direct earth or the earthed system by impedance neutral point, to choose according to max wire voltage.

熔断件额定电流的选择 Selection of rated current for fusing piece

1.熔断件熔断管的额定电流应大于或等于熔体的额定电流；

2.熔断件的额定电流应为负载长期工作电流 1.25 倍；

3.熔断器安装在三相封闭的柜体中，或单只装在绝缘浇注的筒内，或三相装在不封闭的柜体中时，皆要考虑适当降低容量使用..

1.Rated current of fusing piece and fusing tube should not less than the rated current of melt.

2. Rated current of fusing piece should be 1.25 times of load long-term working current.

3.Fuses are installed in the three-phase sealed cabinet,or singly installed into the insulation poured canister, or three-phase in unsealed cabinet,proper capacity decline to use should be considered.

熔断器开断电流的选择 Selection of breaking current for fuse

根据熔断器的保护作用，其最大开断电流不小于被保护电路的最大短路电流，最小熔化电流应不大于被保护电路的最小短路电流.

According to the protection function of fuse,its max breaking current should not less than max short circuit current of the circuit of protected electrical equipment,min melting current should not more than the min short circuit current of protected circuit.

熔断器的保存和检查 Storage and inspection for fuse

1.熔断器应储存在干燥合适的场所

2.对摔落过的或受振动的熔断器在使用前应进行检验（直流电阻、零部件是否完好）..

3.放置久的熔断器出厂/出库时应进行再次检查其电阻值，

1.Fuses should be kept in dry and proper place.

2.Check the have been fallen and vibrated fuses before using(whether DC resistance and components are in good condition).

3.Re-check its resistance value of fuses stored for a long time when leaving factory/sending out of warehouse.

熔断器的安装及更换 Installation and replacement for fuse

1.安装熔断器时，应紧固所有的零件，防止接触部分在正常运行时过热。

2.对三相安装的熔断件，即使一支动作，其他两支均应更换，因为其它两支虽未损坏，但已接近动作点，已到了易损坏的程度。

3.在更换动作过的熔断件时，应在动作10分钟后更换。如果在熔断件动作后发现管内有烟雾泄出或有噪声现象时，不应更换熔断件，需待熔断件与电源隔离后才允许更换。

4.对装在靠供电设备或带电导体附近时，应满足安全条例的规定。

5.熔断器不能安装在有严重振动、灰尘、污染、潮湿的场所。

1.Tightly fix all components to avoid overheating for contact parts when installing fuses.

2.For fuses of three-phase installation,although one acts,another two all should be replaced.As the two though haven't been damaged,approach acting point and have reached the easy-damaging extent.

3.Replacement of an acted fusing piece should be done in 10 min after its action.If smoke leakage or noise occurs in the tube after fusing piece action, the fuse piece can be replaced only after it is out of the circuit.

4.More consideration should be taken when the fuse installed near power supply equipment or energized conductor.

5.Fuses can't be installed in a place with severe vibration,dust,pollution and dampness.

熔断器的运输 Transportation for fuse

熔断器在运输途中，要严格防止振动、跌落、碰撞现象。对发生上述情况，要进行性能测试后再予使用。

Try to avoid vibration,falling,impact during the transportation for fuse.If the above conditions occur,do test thoroughly before it is used.

订货须知 Ordering notice

1.用户应提出熔断器的额定电压、额定电流、开断电流、保护对象等。

2.用户需要样本上没有介绍的熔断器时，请提出工作电压、工作电流、开断能力、外型尺寸等。我们可以按照您的要求设计产品。

1.User should point out the rated voltage, rated current, breaking current and protective object of fuse.

2.Please feel free to contact us for your special requirement beyond our catalogue.

用途 Applications

RN2 型户内高压限流熔断器用于电压互感器的短路保护。其断流容量分为1000、2000及4000MVA，一分钟内熔断电流在0.6–1.8A 范围内。

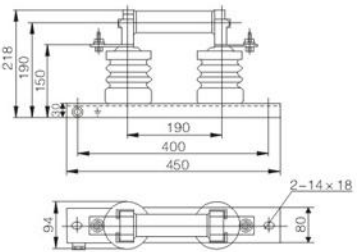
RN2 type indoor H.V. Current–limiting fuse is used for protecting from short circuit for voltage transformer, its breaking capacity has 1000, 2000 and 4000MVA. Fusing current in 1 min is within 0.6~1.8A.

型号含义 Model And Implication

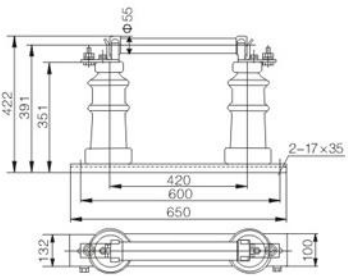
技术参数 Technical parameter

序号 No.	产品型号 Product type	额定电压（kV） Rated voltage	额定电流（A） Rated current	开断电流（有效值）（kA） Breaking current (virtual value)	三相断流容量（MVA） Three-phase breaking capacity	重量（kg） Weight
G0137	RN2-3.6.10/0.5-15	3,6,10	0.5-15	114	2000	8
G0138	RN2-10/0.5-15	10	0.5-15	50	1000	1
G0139	RN2-15.20/0.5-15	15.20	0.5-15	30	1000	18.4
G0140	RN2-20/0.5-15	20	0.5-15	115	4000	11.4
G0141	RN2-35/0.5-15	35	0.5-15	17	1000	20

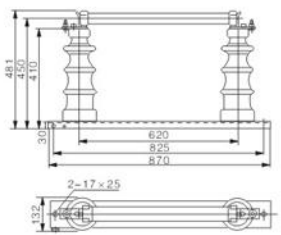
外形尺寸图 Outline dimensional drawing



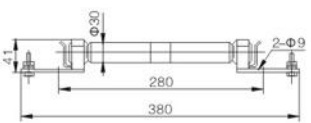
RN2-3\6\10/0.5~15型外形尺寸
RN2-3\6\10/0.5~15 Type outline dimension
图 Figure 3.1



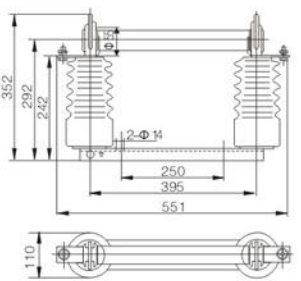
RN2-15、20/0.5~15型外形尺寸
RN2-15、20/0.5~15 Type outline dimension
图 Figure 3.2



RN2-35/0.5~15型外形尺寸
RN2-35/0.5~15 Type outline dimension
图 Figure 3.3



RN2-10/0.5~15型外形尺寸
RN2-10/0.5~15 Type outline dimension
图 Figure 3.4



RN2-20/0.5~15型外形尺寸
RN2-20/0.5~15 Type outline dimension
图 Figure 3.5