



BY1 - D



By1 - C



By1 - B

Model and meaning

Usage and application scope

BY1 series surge protective device (protector in short) is applied in A.C 50/60 Hz , $\leq 380V$ in the following electric power system , such as TT , IT ,TN-S , TN-C and TN-C-S which protects the electric net shocked by the thunder or surge over voltage .

Tripping device

There's tripping device designed on the modular of the protector. When the protector is over heat or shocked, the tripping device can automatically separate it from the electric net, at the same time showing the indication signal. It's green when the protector is normal, red when tripping.

Alarm

The power of the alarm is supplied by AC220V. In normal condition it is green and the opening contact is closed but the closing contact is open. It is with the function of alarming and showing: the alarm will sound and the green indicator lamp will change to red when the mould of the protective device is out of working. And the alarm will not stop until the operator pushes the stop press (but the red lamp is still showing). If the trouble can not be dealt within 24 hours, the alarm will sound again.

Remote signaling contact

The products can be produced available with the accessory of remote signaling contact which is an opening contact. If one of the product's mould is out of working, the contact will be closed and send the trouble information. The rated data of the remote signaling contact is AC36V, 1A.

Principal parameters

1. Maximum continuous operating voltage

$U_c \sim 140 \ 275 \ 320 \ 385 \ 420 \ 550V$

2. Test classification

II grade

3. Protection level

$U_p < 0.8 \ 1.2 \ 1.5 \ 1.8 \ 2.0 \ 2.5kV$

4. Max. discharging current (8/20s)

$I_{max} \ 10 \ 40 \ 60kA$

5. Nominal discharge current (8/20s)

$I_n \ 5 \ 15 \ 20 \ 30kA$

Adjustment, operation, maintenance

1. There's no need to adjust the protector after installation.
2. The protector can automatically protect the electric net should it's installed rightly.
3. When operating, check whether the modular scutcheon is red, at the same time check whether the indication red light is lighting, then can change the malfunction device.