



BY3-2.5



BY3-4.0



BY3-6.0

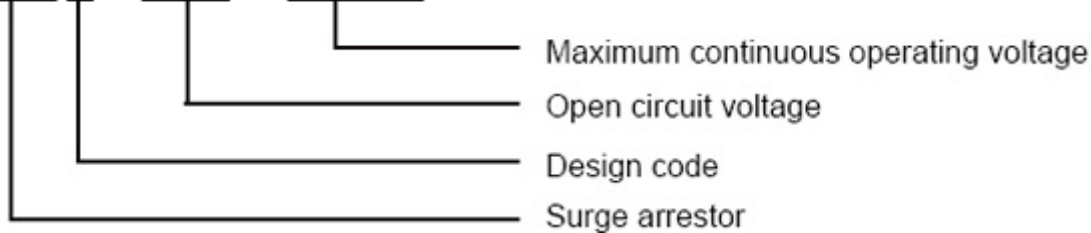
### Usage and application scope

BY3 type SPD is suiting to A.C 50/60 Hz , 220V electric power system and used at the joint of the LPZ2 and LPZ3 zones. It protects the electric network shocked by the thunder or surge over voltage.

This type belongs to Class 3 and the usage condition is that there must be installed the Class 1 or Class 2 SPD, or it will be damaged by the over impulse current

### Model and meaning

**BY 3 - □□ / □□□**



### Technical Parameters

Item	BY3-2.5/150	BY3-4.0/320	BY3-6.0/420
operating voltage Un	110V AC	220V AC	220V AC
Maximum continuous operating voltage Uc	150V AC	320V AC	420V AC
Open circuit voltage ( 1.2/50μs ) Uoc	2.5kV	4.0kV	6.0kV
Insulating resistance (Risol)	> 100 M O	> 100 M O	> 100 M O
Voltage protective level Up	<800 V	< 1 kV	< 1.5 kV
Response time ns	< 100ns	< 100ns	< 100ns
Operating temperature	-40---- +85°C	-40---- +85°C	-40---- +85°C
Relative humidity	<95 %	<95 %	<95 %
Defending grade	IP20	IP20	IP20
Connection section	1 ---- 4 mm <sup>2</sup>	1 ---- 4 mm <sup>2</sup>	1 ---- 4 mm <sup>2</sup>
Earthing conductor	4mm <sup>2</sup>	4mm <sup>2</sup>	4 mm <sup>2</sup>

Wire gage	AWG-2	AWG-2	AWG-2
Installation	35 mm Rail	35 mm Rail	35 mm Rail
Outer covering material	Reinforced fire-retardant nylon PBT (Grey)	Reinforced fire-retardant nylon PBT (Grey)	Reinforced fire-retardant nylon PBT (Grey)

Installation position and application

1. Installed at the joint of the LPZ2 and LPZ3 zones.
2. Generally applied in computer equipment, information equipment, electronic equipment and in front of control equipment or near the socket box 220V D grade surge arrestor.
3. It adopts 35 mm DIN rail.
4. It is linked by 1 -4 mm<sup>2</sup> copper wire, and the length of the wire can't be longer than 500mm. The earth cable should choose the double color wire which is over 4 mm<sup>2</sup>

