YD40K320DH2-A1

YD40K320DH2-A1 type SPD for single-phase power supply system is used to protect 220-230V A.C. power supply system and electrical equipment against damages caused by lightning current and surges, etc. Its main features：

- Fancy selected components, fit for the poor-quality power network.；
- Special temperature-controlled disconnect technology used in MOV module and GDT module, stand to prevent thoroughly from fire risk;
- Malfunction alarm (alarm interface), support for remote-monitoring;
- Translucent indication windows can indicate working state clearly and directly.
- Module design, convenient installation, simple maintenance;

PARAMETERS

TYPE	YD40K320DH2-A1
Location category	Indoor
Number of ports	1
Method of mounting	Fixed（DIN35 rail）
Max Continuous operating voltage Vc	320V （L-N）
	63V （N-PE）
Maximum discharge current Imax	Type 2: 40kA（L-N, N-PE）
Nominal discharge current In	20kA（L-N, N-PE）
Protective Level Up	1600V（L-N） 1000V (N-PE)
Response time	MOV: 25ns, GDT: 100ns
Temporary over voltage characteristic	TOV withstand characteristic, tT = 5s, UT=385V
Isolation between separate circuits	The remote alarm interface is isolated from the main circuit by reinforced insulation according to EN 60950-1:2001 and with dielectric withstand voltage 3000Vrms.
Section area of lead for clamping	$4mm^2$ —$25mm^2$
Dimensions in enclosure	90×36×66 mm^3 (without alarm interface)
Working environments	Temperature －40 +70℃, Humidity relative =95%

INSTALLATION

1. Adopt standard mount rail structure, installed normally in power distributor cabinet.
2. Shown as Figure 3: Through SPD connection port, connect the input wire (power wire) and lead (for protected equipment). Connect the live line to the L port of the protector, and neutral wire to the N port.
   This connection way (Kevin mode) is strongly suggested, to improve the protection effect. Earthing wire from earthing port of SPD should connect protective earth(Lightning earth)
   SPECIAL NOTICE : Earthing is obligatory, referring to requests of the lightning protection engineering field work. The grounding wire should be as short as possible, less than 0.5m is strongly recommended.
3. In case of remote alarm, alarm leads are connected to alarm terminals then be plugged into alarm interface. Please refer to Figure 4

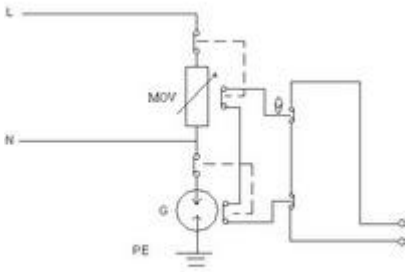

Chart 1

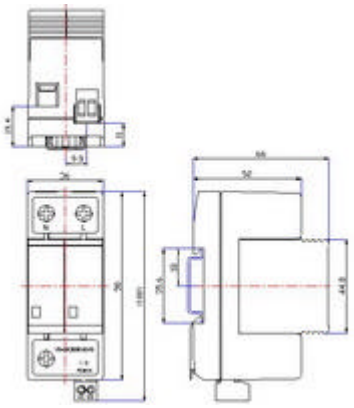

Chart 2

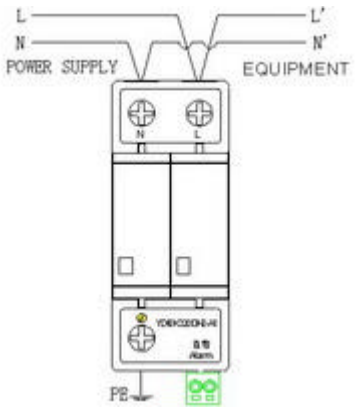

Chart 3

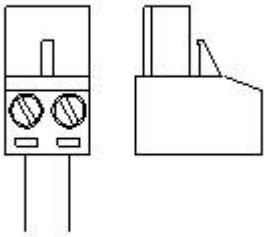

Chart 4