

## MODEL AND SIGNIFICANCE

|                 |               |              |               |      |           |                           |
|-----------------|---------------|--------------|---------------|------|-----------|---------------------------|
| S               | UP1           | H            | 220           | 2    | PV        | 275                       |
| Enterprise Code | Design Number | High Voltage | Rated Voltage | Pole | PV system | Rated Operational Voltage |

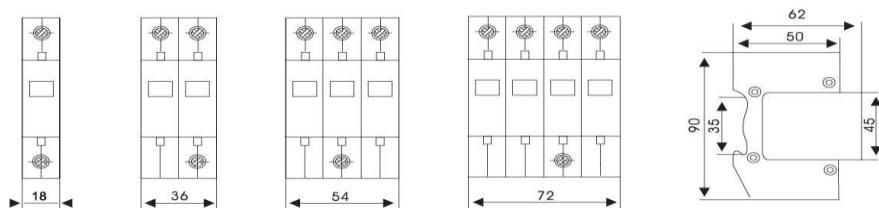
## GENERAL PARAMETERS

- Suitable for protection of electrical installations against [transient overvoltage] and [short-current] [lightning strikes] [over-heat]
- Plug-in module design
- Indication window and optional remote-signaling contact helps users to know the status of device

## INSTALLATION PRECAUTIONS

- In a medium without explosion risk and free of gases and dust(including conductive dust) sufficient to corrode metal and destroy insulation
- In the condition with no snow erosion
- It can be installed horizontally and vertically
- The magnetic field of the installation position shall not exceed 5 times the geomagnetic field in any direction;
- It should not be installed in flammable and explosive places
- There should be no significant impact and vibration at the installation place

## DIMENSIONS (MM)



## AC SURGE PROTECTOR

• SUP1-40/220VAC/2P



## ELECTRICAL PARAMETERS

| Product Model                          |                       | SUP1H-40                                             |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
|----------------------------------------|-----------------------|------------------------------------------------------|------|------|------|------|------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|------|-------|------|------|------|------|------|------|
| Poles                                  |                       | 1P/2P/1P+N/3P/3P+N/4P                                |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Rated Operational Voltage Un (V)       |                       | 230/480 (Customized)                                 |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Nominal discharge In (8/20μs)kA        |                       | 5                                                    |      |      |      |      |      |      | 10    |      |      |      |      |      |      | 20    |      |      |      |      |      |      | 30    |      |      |      |      |      |      |
| Max. Discharge Current Imax (8/20μs)kA |                       | 10                                                   |      |      |      |      |      |      | 20    |      |      |      |      |      |      | 40    |      |      |      |      |      |      | 65    |      |      |      |      |      |      |
| Max. Continuous Working Voltage Uc (V) |                       | 150                                                  | 220  | 275  | 320  | 385  | 420  | 480  | 150   | 220  | 275  | 320  | 385  | 420  | 480  | 150   | 220  | 275  | 320  | 385  | 420  | 480  | 150   | 220  | 275  | 320  | 385  | 420  | 480  |
| Protection Level Up (kV)               |                       | <1.2                                                 | <1.2 | <1.4 | <1.4 | <1.4 | <1.4 | <2.4 | <1.2  | <1.2 | <1.6 | <1.6 | <1.6 | <1.6 | <2.4 | <1.2  | <1.2 | <1.8 | <1.8 | <1.8 | <1.8 | <2.4 | <1.2  | <1.2 | <2.0 | <2.0 | <2.0 | <2.0 | <2.4 |
| Back-up Fuse                           |                       | 40AgL                                                |      |      |      |      |      |      | 40AgL |      |      |      |      |      |      | 63AgL |      |      |      |      |      |      | 80AgL |      |      |      |      |      |      |
| Response Time (ns)                     |                       | <20                                                  |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Residual Current 75% Uc 1mA            |                       | <20pA                                                |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Test Classification                    |                       | Class II                                             |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Protection Level                       |                       | IP20                                                 |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Ambient Air Temperature (°C)           |                       | -40°C~ +80°C                                         |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Insulating Shell Material              |                       | PBT/PA66                                             |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Flame Resistance Level                 |                       | V0                                                   |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Mounting                               |                       | 35 mm device rail (DIN)                              |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Shell Color                            |                       | Red                                                  |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Current for Back up Fuse or Breaker    |                       | 40~80                                                |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Terminal Capacity (mm²)                | Phase line/ Zero line | 4~16 Hard Wire                                       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
|                                        | Earth line            | 4~16 Double Color                                    |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |
| Test Standard                          |                       | GB18802.1GB18802.21IEC61643-1IEC61643-21 UL1449 ed.2 |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |       |      |      |      |      |      |      |