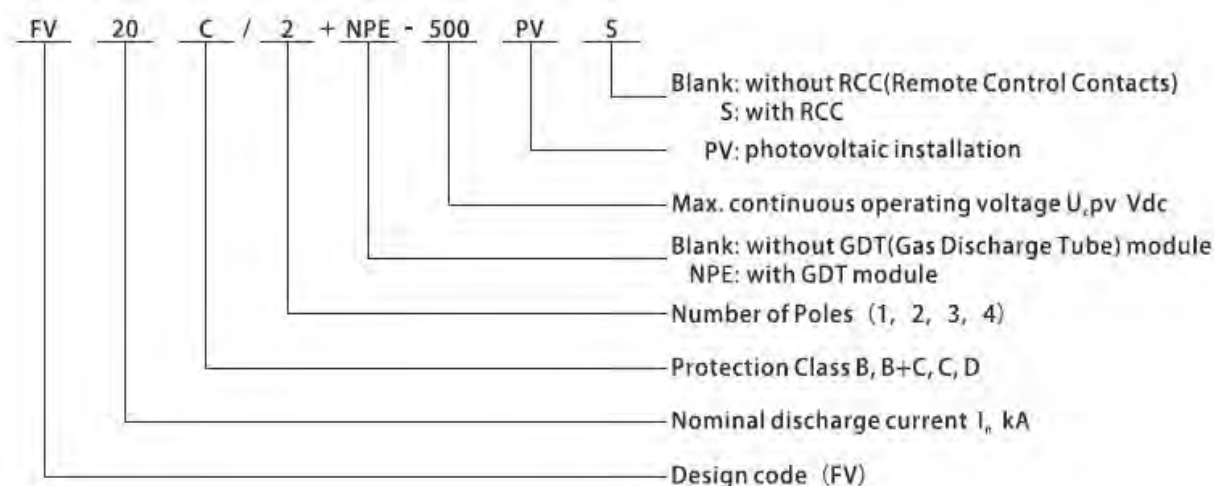


## **I<sub>imp</sub> 25kA DC Surge Protective Device for Photovoltaic System** **Model No.: FV25B/3-1000PVS**

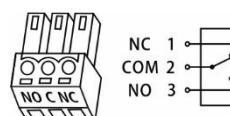
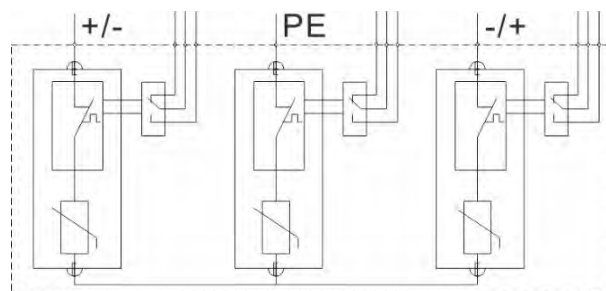
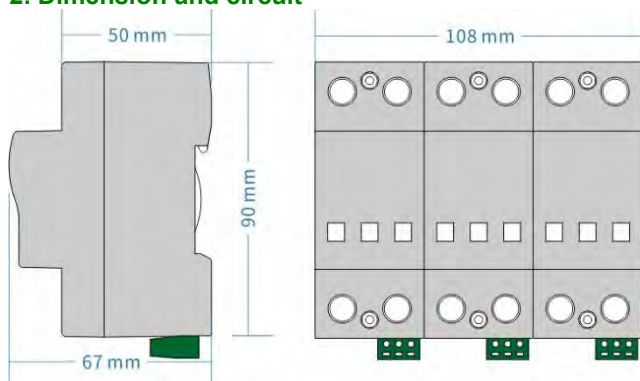


- DC surge protective device specially used for photovoltaic system.
- The core parts are metal oxide varistor components with high discharge capacity.
- Without Reliable control thanks to Thermo Dynamic Control disconnecter.
- With remote signaling contact for control device.
- Fault indication via red mark in the inspection window.
- Type 1/ Class B
- PV system voltage less than 600Vdc

### 1. Coding



### 2. Dimension and circuit



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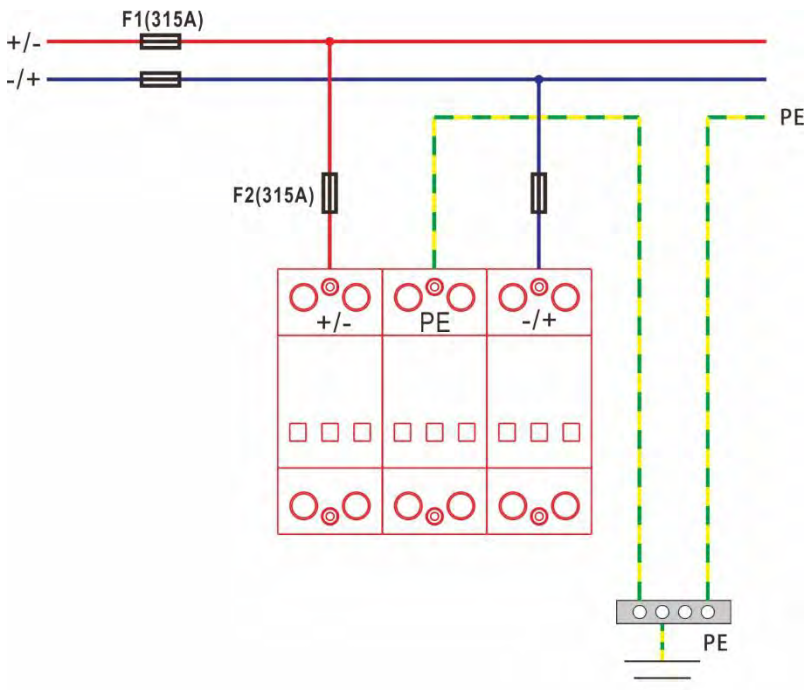
Web: [www.fatech-surge-protection.com](http://www.fatech-surge-protection.com), [www.fatech-spd.cn](http://www.fatech-spd.cn)

Email: [sales@fatech-surge-protection.com](mailto:sales@fatech-surge-protection.com), [sales@fatech-spd.cn](mailto:sales@fatech-spd.cn)

### 3. Technical parameter

| Test class according to IEC61643-1:2005     | I                                                           |                     |
|---------------------------------------------|-------------------------------------------------------------|---------------------|
| Nominal Voltage                             | UN                                                          | 1000V DC            |
| Max.continuous d.c. voltage[+/-->PE]/ [+>-] | U <sub>c pv</sub>                                           | 1060V DC            |
| Impulse discharge current (8/20μs)          | I <sub>imp</sub>                                            | 25kA                |
| Maximum discharge current (8/20μs)          | I <sub>max</sub>                                            | 100kA               |
| Nominal discharge current (8/20μs)          | I <sub>n</sub>                                              | 50kA                |
| Voltage protective level at I <sub>n</sub>  | U <sub>p</sub>                                              | ≤4.6kV              |
| Isolation resistance                        | R <sub>isol</sub>                                           | >10 <sup>2</sup> MΩ |
| Response time                               | t <sub>A</sub>                                              | ≤25ns               |
| I/O Connections                             | By screw terminal:10-35mm <sup>2</sup><br>By connection bus |                     |
| Mounting                                    | Symmetrical rail (EN50022/DIN46277-3)                       |                     |
| Operation temperature range                 | -40℃~+85℃                                                   |                     |
| Degree of protection                        | IP20                                                        |                     |
| Housing material                            | UL94V0                                                      |                     |
| Disconnection indicator                     | Mechanical indicator(Red: Replace)                          |                     |
| Remote control contact                      | Yes                                                         |                     |
| Color                                       | Gray                                                        |                     |
| I/O Connections                             | By screw terminal:10-35mm <sup>2</sup> , By connection bus  |                     |
| Mounting                                    | Symmetrical rail (EN50022/DIN46277-3)                       |                     |

### 4. Installation instruction



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