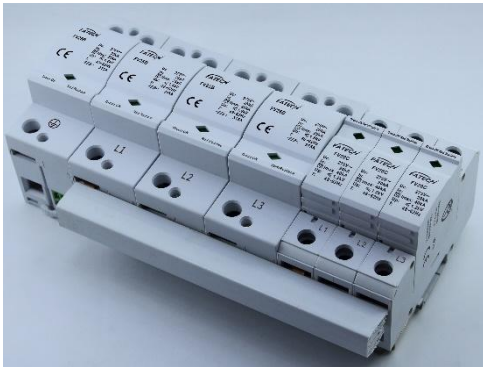


AC Surge protective device for low-voltage distribution system

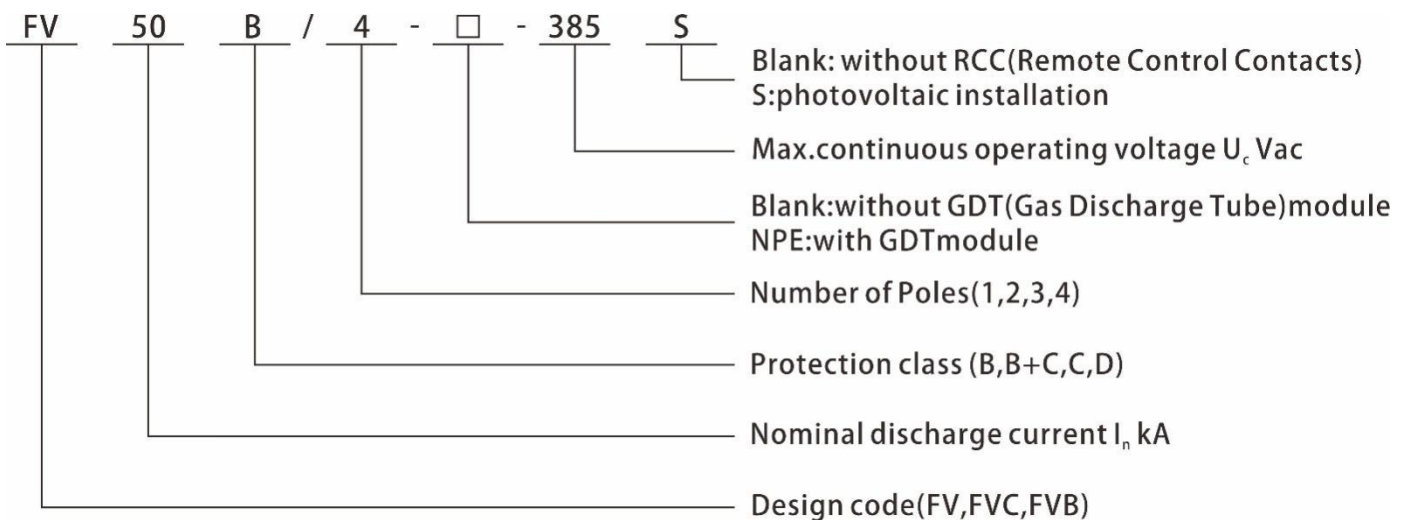
Version:B-3

Model No.: FV50B/4-275S+V20C/3-275S

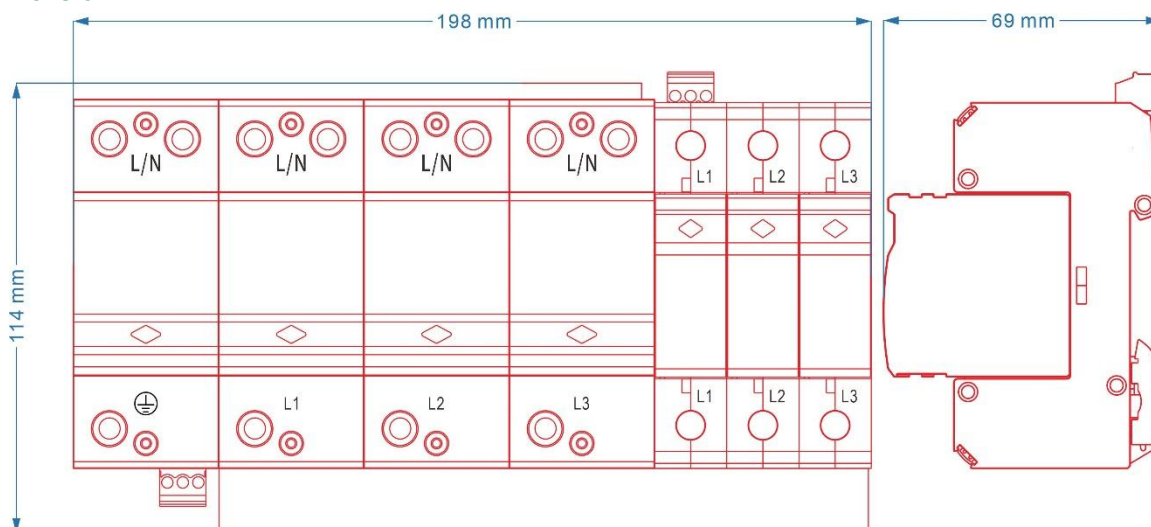


- Class I / Type 1 50kA@10/350μs & Class II / Type 2 20kA@8/20μs **surge protective devices**
- With indication window and remote control contacts.
- Unique designing, patent technology.
- Used in the lightning protection zones concept at boundary LPZ0B-LPZ1.
- The core parts are multilayer spark gap with high discharge capacity.
- Low residual voltage.
- Protection mode: L1,L2,L3-PE

1.Coding



2. Dimension



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3. Electrical parameters

| | | |
|--|---|------------------|
| Model. No. | FV50B/4-275S | FV20C/3-275S |
| SPD protection conforms to IEC 61643-11 / EN 61643-11 | Type 1 | Type 2 |
| SPD installation type conforms to IEC 61643-11 / EN 61643-11 | Class I | Class II |
| Protection level conforms to DIN VDE0675-6 | B | C |
| Type of Network | IT | |
| Protection mode | L1 , L2 , L3 -PE | |
| Nominal Voltage U_N | 220/380 Vac/50(60)Hz | |
| Maximum continuous operating voltage U_C | 275 Vac/50(60)Hz | 275 Vac/50(60)Hz |
| Continuous operating current I_C | <20 μ A | |
| Residual current I_{PE} | \leq 20 μ A dc \leq 500 μ A ac | |
| Standby power consumption P_C | \leq 25 mVA | |
| Nominal discharge current (8/20 μ s) I_n | 50 kA | 20 kA |
| Maximum discharge current (8/20 μ s) I_{max} | — | 40 kA |
| Impuse discharge current (10/350 μ s) I_{imp} | 50 kA | — |
| Voltage protection level U_p | \leq 1.5 kV | \leq 1.3 kV |
| Isolation resistance R_{isol} | > 1000 M Ω | |
| Response time t_A | \leq 25 ns | |
| Remote control contact | YES | |
| Disconnection indicator | Mechanical indicator (Green: OK, Red: Replace) | |
| Minimum area of connecting cable | 10 mm ² | |
| Maximum area of connecting cable | 25 mm ² | |
| Installation location | Inside | |
| Mounting type | 35mm DIN rail acc. to EN 60715 | |
| Color | Gray | |
| Degree of protection | IP20 | |
| Housing material | UL94V-0 | |
| Ambient temperature | -40 $^{\circ}$ C ~+80 $^{\circ}$ C | |
| Altitude | \leq 2000 m (amsl (above mean sea level)) | |
| Permissible humidity | 30%~90% | |

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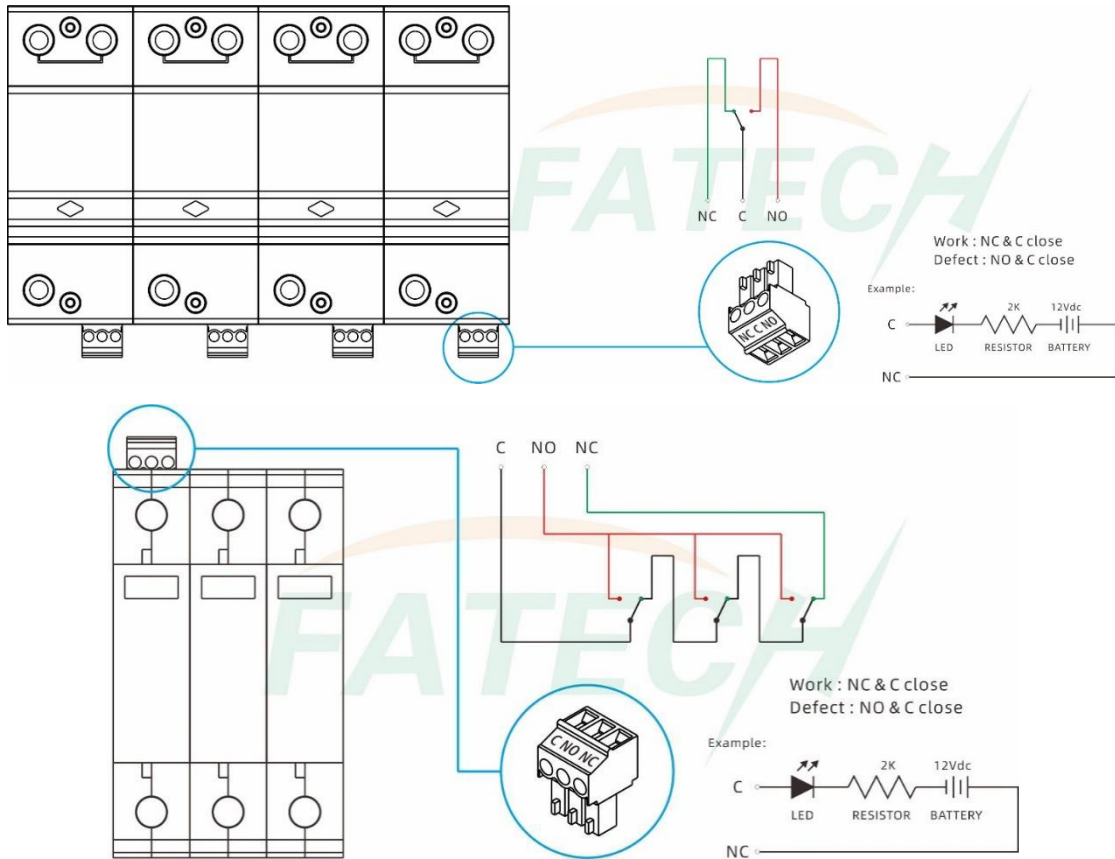
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4. Remote control contact



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