

# VP B

## Power Supply Systems & Installations

### SURGES TYPE B (CLASS I)

- Compact equipments for all distribution systems.
- High discharge capacity by "Spark Gap" technology.
- Visual indication of a fault in the equipment.
- With thermal separation device.
- Remote signalling of the protection status.



| Code   | POWER SUPPLY NETWORK |                 |                     |                                 |                     |   |                     |                            |
|--|----------------------|-----------------|---------------------|---------------------------------|---------------------|---|---------------------|----------------------------|
|  | 41648                | 41642           | 41643               | 41644                           | 41645               | 41646   | 41641               | 41647                      |
| Model  | VP B25<br>255/NPE    | VP B25<br>275/1 | VP B25<br>275/1+NPE | VP B25<br>275/2                 | VP B25<br>275/2+NPE | VP B25<br>275/3                                 | VP B25<br>275/3+NPE | VP B25<br>275/4            |
| According to IEC 61643-1 (Class)                     | Class I              |                 |                     |                                 |                     |   |                     |                            |
| Type of network                                      | TT                   | TN-S            | TT/TN-S             | TN-S                            | TT/TN-S             | TN-S  | TN-S                | TT/TN-S                    |
| Electrical line                                      | -                    | 1F+NPE (TN-C)   | 1F+N+PE(TT)         | 1F+N+PE (TN-S)<br>2F+NPE (TN-C) | 2F+N+PE (TT)        | 2F+N+PE (TN-S)<br>3F+PE (TN-S)<br>3F+NPE (TN-C) | 3F+N+PE (TN-S)      | 3F+N+PE (TT)<br>3F+PE (TT) |
| Nominal voltage <b>Un</b> (Vac)                      | 230 Vac              |                 |                     |                                 |                     |   |                     |                            |
| Maximum continuous operating voltage <b>Uc</b> (Vac) | 255 Vac              | 275 Vac         |                     |                                 |                     |   |                     |                            |
| Nominal discharge current (8/20 μs) <b>In</b> (kA)   | 50 kA                |                 |                     |                                 |                     |   |                     |                            |
| Maximum discharge current (8/20 μs) <b>Imax</b> (kA) | 100 kA               |                 |                     |                                 |                     |   |                     |                            |
| Impulse current (10/350 μs) <b>Iimp</b> (kA)         | 25 kA                |                 |                     |                                 |                     |   |                     |                            |
| Protection level <b>Up</b> (kV) at 30 kA             | < 1,8 kV             |                 |                     |                                 |                     |   |                     |                            |
| Response time <b>ta</b> (ns)                         | < 100 ns             | < 25 ns         |                     |                                 |                     |   |                     |                            |
| Maximum back-up fuse (A gL/gG)                       | 160                  |                 |                     |                                 |                     |   |                     |                            |
| N° Modules   | 1                    | 2               |                     | 3                               |                     | 4   |                     |                            |