

PV surge protection V20, 1,000 V DC with remote signalling



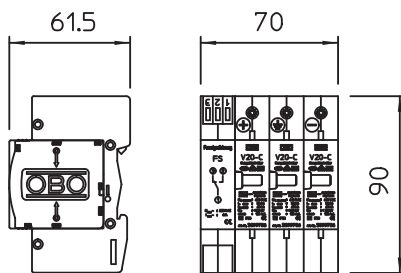
V20 surge arrester, type 2, for photovoltaic systems

- Complete unit, consisting of plug-in varistor arrester with cut-off unit
- Error-resistant Y circuit to VDE 0100-712 (EN 50539-12)
- Surge protection equipotential bonding to VDE 0100-443 (IEC 60364-4-44)
- V20-C 3-PH-1000 tested to EN 50539-11 (VDE / KEMA)
- Arresting capacity to 40 kA (8/20) per pole
- Low DC protection level: < 4.0 kV and $V_{oc\ max} = 1,000\ V\ DC$
- With visual function display for use in distributor housings

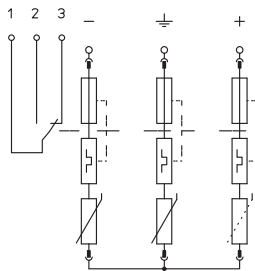
Application: PV systems with or without separate lightning protection system

| Type | U max DC V | Version | Pack. pcs | Weight kg/100 pcs. | Item No. |
|------------------|------------|-------------------------------|-----------|--------------------|----------|
| V20-C 3PHFS-1000 | 1000 | 3-pole for PV systems with FS | 1 | 44,500 | 5094574 |

Dimensions



Connection options



V20-C 3PHFS-1000

| | | |
|--|-------------------|--------|
| U max DC V | U _c DC | 1000 |
| SPD to EN 61643-11 | | Type 2 |
| Lightning protection zone LPZ | | 1→2 |
| Nominal discharge current (8/20) kA | I _n | 20 |
| Maximum discharge current (8/20 μs) kA | I _{max} | 40 |
| Voltage protection level kV | U _p | < 4,0 |
| Response time ns | t _A | < 25 |
| Temperature range °C | θ | -40-80 |
| Protection rating | | IP 20 |
| Division unit TE (17,5 mm) | | 4 |
| Connection cross-section rigid mm ² | | 2,5-35 |
| Connection cross-section, multi-wire mm ² | | 2,5-35 |
| Connection cross-section, flexible mm ² | | 2,5-25 |