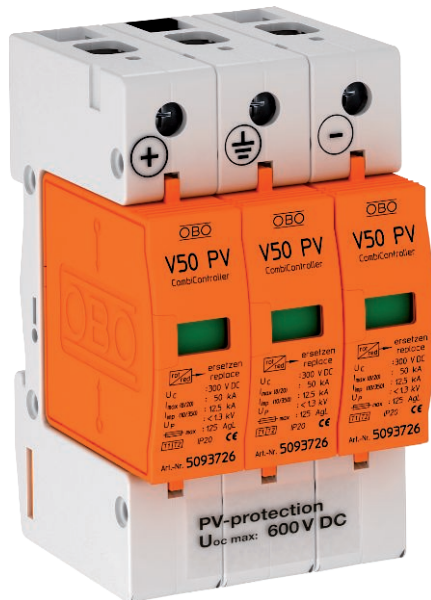


# Technical data sheet

## PV combination arrester V50, 600 V DC

Item no. 5093623



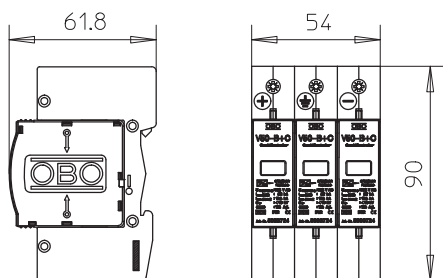
V50 combination arrester, type 1+2, for photovoltaic systems

- 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)
- Arresting capacity up to 12.5 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 2.6 kV and  $U_{oc}$  max = 600 V DC
- With visual function display for use in distributor housings

Application: PV systems with lightning protection system



### Dimensions



### Master data

Item no.	5093623
Type	V50-B+C 3-PH600
Description 1	CombiController V50
Description 2	three-pole for photovoltaics
Dimension	600V DC
Smallest sales unit (VG)	1,00 Piece
Weight	41,00 kg/100 pc.

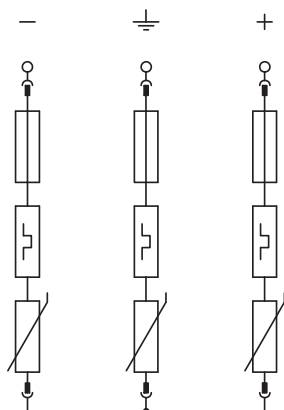
# Technical data sheet

## PV combination arrester V50, 600 V DC

Item no. 5093623



### Technical data



SPD to EN 61643-11	Type 1+2
SPD to IEC 61643-11	Class I+II
Maximum continuous voltage DC	600,00 V
U max DC	600,00 V
Nominal discharge current (8/20)	30 kA
Nominal discharge current (8/20 µs) [L-N]	30,00 kA
Maximum discharge current (8/20 µs)	50,00 kA
Impulse discharge current (10/350)	12,50 kA
Protection level	< 2,6 kV
Response time	< 25 ns
Maximum back-up fuse	125,00 A
Temperature range	-40-+80 °C
Pole version	3
Version	3-pole for PV systems
Version	3-pole
Protection rating	IP20
Protection rating	IP 20
Blow-out	<input type="checkbox"/>
Division unit TE (17.5 mm)	3
Telecommunications contact	<input type="checkbox"/>
Connection cross-section, flexible	2,50 - 25,00 mm <sup>2</sup>
Connection cross-section, rigid	2,50 - 35,00 mm <sup>2</sup>
Connection cross-section, multi-wire	2,50 - 35,00 mm <sup>2</sup>
Signalling on device	Visual