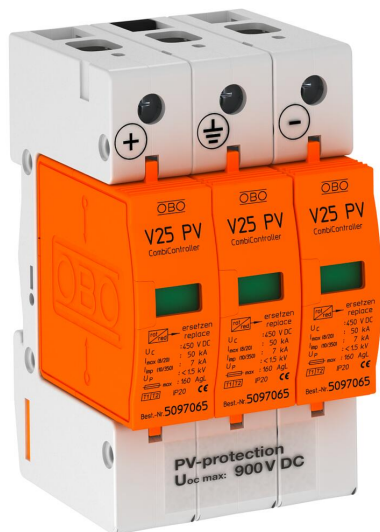


# Technical data sheet

## PV combination arrester V25, 900 V DC



Item number: 5097447



V25 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 7 kA (10/350) and 50 kA (8/20) per pole
- Low DC protection level: < 3.0 kV and Voc max = 900 V DC
- With visual function display for use in distributor housings

Application: PV systems with lightning protection system



### Master data

Item number	5097447
Type	V25-B+C 3-PH900
Description 1	CombiController V25
Description 2	three-pole for photovoltaics
Manufacturer	OBO
Dimension	900V DC
Smallest sales unit	1
Unit of quantity	Piece
Weight	42.2 kg
Weight unit	kg/100 pc.

# Technical data sheet

## PV combination arrester V25, 900 V DC

Item number: 5097447



### Technical data

	Response time	<25 ns
	Blow-out	no
	Version for	3-pole for PV systems
	Pole version	3
	Structural width in division units (division unit, 17.5 mm)	3
	Operating temperature, max.	80 °C
	Operating temperature, min.	-40 °C
	Lightning surge current (10/350 µs)	7 kA
	Remote signalling	no
	Maximum continuous voltage DC	900
	Conductor cross-section, rigid (single-wire/multiwire), max.	35 mm <sup>2</sup>
	Conductor cross-section, rigid (single-wire/multiwire), min.	2.5 mm <sup>2</sup>
	Lightning protection zone LPZ	0→2
	Max. mains-side overcurrent protection	160
	Maximum back-up fuse	160 A
	Maximum discharge current (8/20 µs)	50 kA
	Installation type	DIN rail 35 mm
	Nominal discharge current (8/20 µs)	30 kA
	Nominal discharge current (8/20 µs) [L-N]	30 kA
	Network form	DC
	DC network form	yes
	IT network form	no
	Other network form	no
	TN network form	no
	TN-C network form	no
	TN-C-S network form	no
	TN-S network form	no
	TT network form	no
	Protection rating	IP20
	Protection level	≤3,0
	Signalling on device	Visual
	SPD to EN 61643-11	Type 1+2
	SPD to IEC 61643-1	Class I+II
	Cable type for surge protection devices	Power cable DC (PV)