

Combination arrester V50-B+C

Lightning equipotential bonding
for lightning protection class III and IV

Lightning and surge protection
for all networks from TN to TT



Correct lightning equipotential bonding according IEC 62305

CombiController V50-B+C

Modular, multipole arrester (Type 1 and Type 2) for correct lightning equipotential bonding. With a lightning current arresting capability of 50,000 A, the V50-B+C is the ideal solution for proper protection in buildings with an external lightning protection system according to IEC 62305.

This means that the V50-B+C combines lightning and surge voltage protection in one device. Based on the valid national and international standards, the tried and trusted combination of high performance zinc oxide varistors and an N-PE spark gap is an arrester for many different applications.

The multiple connection terminal means, that V-wiring to other devices is possible using cables and comb rail.

Technical data

V 50-B+C/3+NPE:

Combination arrester, type 1+2 lightning and surge voltage arrester according to DIN EN 61643-11 (B+C according to VDE 0675 Part 6).

- ▶ For lightning equipotential bonding according to IEC 62305
- ▶ Suitable for TN- and TT-systems
- ▶ Complete unit consisting of upper and lower part, pre-mounted and ready for connection
- ▶ Plug-in arrester with dynamic disconnecter
- ▶ With visual function display
- ▶ Protection level < 1,3 kV
- ▶ Enclosed, non-extinguishing zinc oxide varistor arrester for use in standard distribution housings
- ▶ Labelled connections
- ▶ FS variant with remote signal contact (potential-free NO contact)


Application: Lightning equipotential bonding in buildings with external lightning protection of classes III and IV and in standard distribution housings.



Fast and convenient to mount



Type	Design	Art.-No.
V50-B+C/3	for TN-C systems	5093 62 7
V50-B+C/3-FS	for TN-C systems with remote signal contact	5093 64 3
V50-B+C/3+NPE	for TN-S and TT systems	5093 65 4
V50-B+C/3+NPE -FS	for TN-S and TT systems with remote signal contact	5093 66 2
MB 50-3+NPE	Base for TN-S and TT	5096 67 5
MB 50-3+NPE -FS	Base for TN-S and TT with remote signal contact	5096 67 7
V50-B+C/0	Upper part	5093 72 4

Technical data	V50-B+C	
	L-N	N-PE
Maximum continuous operating voltage U_c	280 V 350 V \approx	255 V 50-60 Hz
LPZ	0 → 2	0 → 2
I_{imp} (10/350)	12,5 kA	50 kA
I_{max} (8/20)	50 kA	50 kA
I_n (8/20)	30 kA	50 kA
U_p	$\leq 1,3$ kV	$\leq 1,5$ kV
	125 AgL/gG	-

In all versions, the new combination arresters V50 (Type 1 and Type 2) have multicontact terminals for cable and comb rail connection.

The connectable upper parts can be rotated through 180° and can thus be installed as required.

The optional remote signal contact (NO) can signal the function to an alarm system.



Conducting electricity.
Routing data.
Controlling energy.

VBS Connection and fastening systems

Junction box systems
Flush-mounted and hollow wall systems
Clamped systems
Cable fastening systems
Plastic cable/pipe fastening systems
Metal cable/pipe fastening systems
Special cable/pipe fastening systems
Pipe systems
Beam clamp systems
Rail systems
BBS clamp clip systems
Screw-in and knock-in systems

TBS Transient and lightning protection systems

Surge protection systems
Equipotential bonding systems
Lightning protection systems
Earthing systems

KTS Cable support systems

Mounting systems
Cable tray systems
Mesh cable tray systems
Cable ladder systems
Wide span systems
Vertical ladder systems
Luminaire support systems
Modular systems
Stainless steel systems
Function maintenance systems and escape route installation systems

BSS Fire protection systems

Cable insulation systems
Escape route installation systems
Fire protection trunking systems
Function maintenance systems

LFS Cable routing systems

Plastic cable routing systems
Metal cable routing systems
Skirting trunking systems
Wiring trunking systems
Plastic wall trunking base systems
Sheet steel wall trunking base systems
Aluminium wall trunking base systems
Power post systems
Device systems
Fire protection trunking systems

EGS Device systems

Switch systems
OBO B.U.S systems
Intelligent Workstation System
Energy distribution systems
Modul 45 systems
Computer engineering systems
Industrial and special connector systems

UFS Underfloor systems

Underfloor systems, screed-covered
Underfloor systems, flushfloor open
Underfloor systems, flushfloor closed
Underfloor systems, in-concrete
Onfloor systems
Device installation systems
Modul 45 systems and data technology
Fire protection systems

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