

V-CHECK 4MPT

Power Frequency Overvoltage Protection Devices
SPD+POP incl. MCB



General Data

Internal configuration	3+1
No. Poles	4-Pole
No. poles + configuration	4 Poles, 3P+N
No. DIN rail modules	9
Network configuration	TT, TNS
IEC SPD Type	Class II
EN SPD Type	Type 2
Protection Modes	L-N / N-PE
Product standards	EN 50550; UNE 50550; IEC 63052; EN 61643-11



PART NUMBERS

XX	10	16	20	25	32	40	50	63
V-CHECK 4MPT-XX	77706477	77706478	77706476	77706471	77706472	77706473	77706474	77706475

MINIATURE CIRCUIT BREAKER (MCB)

V-CHECK 4MPT-XX	10	16	20	25	32	40	50	63
MCB Nominal current - In (IGA) [A]	10	16	20	25	32	40	50	63
Tripping curve	C							
Frequency [Hz]	50							
Breaking capacity EN 60898 - Icn [A]	6000							
Breaking capacity EN 60947-2 - Icn [kA]	10							
Rigid bare wire [mm]	10							
Flexible bare wire [mm]	10							

POWER FREQUENCY OVERVOLTAGE PROTECTOR (POP)

V-CHECK 4MPT-XX	10	16	20	25	32	40	50	63
Actuation method	Integrated MCB							
Flexible bare wire of shunt release [mm]	6							
Test button	Yes							
Min. flexible cable section of shunt release [mm ²]	1.5							
Max. flexible conductor section of shunt release [mm ²]	2.5							
Min. rigid conductor section of shunt release [mm ²]	1.5							
Max. rigid conductor section of shunt release [mm ²]	3.5							
Rigid bare wire of shunt release [mm]	6							

Limit values for response and non-response times according to UNE-EN 50550:

Voltagess (V)	255	275	300	350	400
Maximum break time (s)	No tripping	15	5	0,75	0,20
Minimum non-actuating time (s)	No tripping	3	1	0,25	0,07

DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved

cirprotec

V-CHECK 4MPT

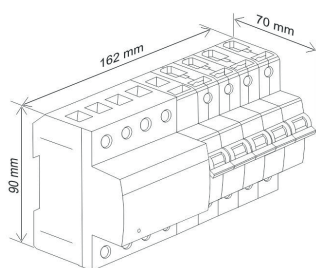
SURGE PROTECTION DEVICE (SPD) - IEC TECHNICAL FEATURES

V-CHECK 4MPT-XX	10	16	20	25	32	40	50	63
Maximum continuous operating voltage (AC) - U _c (L-N) [V]					400			
Maximum continuous operating voltage (AC) - U _c (N-PE) [V]					254			
Nominal voltage AC 50-60 Hz - U _n [V]					230/400			
Nominal voltage AC 50-60 Hz - U _n (L-L) [V]					400			
Nominal voltage AC 50-60 Hz - U _n (L-N) [V]					230			
Nominal discharge current (8/20) - I _n (L-N) [kA]					3			
Max Discharge Current (8/20) - I _{max} (L-N) [kA]					15			
Voltage protection level at I _n - U _p (L-N) [kV]					≤1,5			
Voltage protection level at I _n - U _p (N-PE) [kV]					≤1,5			
Response time - t _A (L-N) [ns]					≤25			
Response time - t _A (N-PE) [ns]					≤100			
Dynamic thermal disconnection					Yes			

MECHANICAL AND ENVIRONMENTAL FEATURES

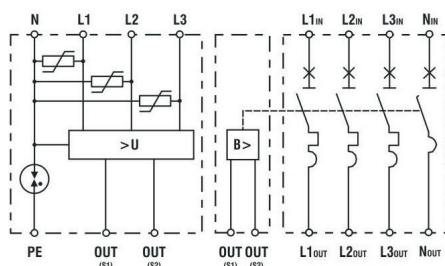
V-CHECK 4MPT-XX	10	16	20	25	32	40	50	63
Temperature range [°C]					-5 ... 40			
Humidity range [%]					5 ... 95			
Indication System Type					LED			
Housing color					Grey RAL 7035			
Enclosure - IP					IP20			
Solid conductor cross section					6...35 mm ²			
Stranded conductor cross section					6...25 mm ²			
MCB torque [N m]					4			

DIMENSIONS AND WEIGHT



V-CHECK 4MPT-XX	10	16	20	25	32	40	50	63
Net Weight [kg]								0.758
Gross weight [kg]								0.811
Packaging dimensions (H x W x L) [mm]								180 × 106 × 80

INTERNAL CONFIGURATION



DATASHEET

This document is subject to change at any time without notice www.cirprotec.com | Lepanto 49 · 08223 Terrassa, Barcelona Spain © 2024 Cirprotec SLU | All rights reserved

cirprotec