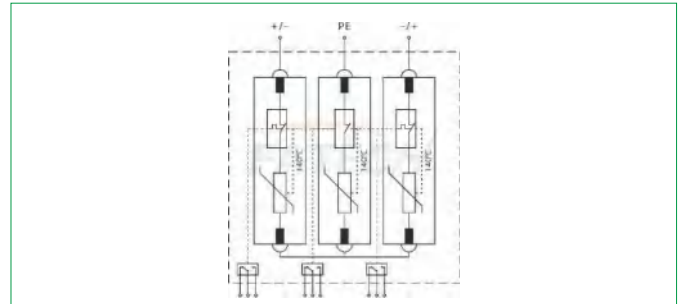
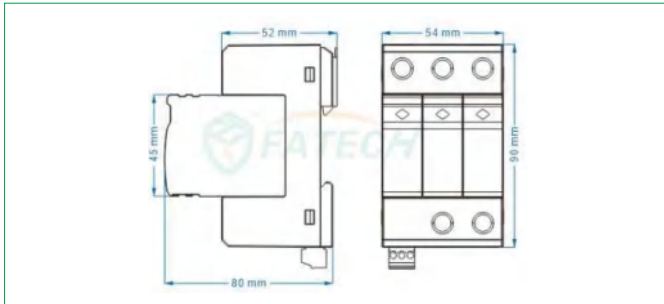


FV12.5B+C/3 - ***PVN(S)



- ◆ DC surge Protective device specially used for photovoltaic system less than 1000Vdc.
- ◆ The core parts are metal oxide vristor components with high discharge capacity.
- ◆ With reliable control thanks to Thermo Dynamic Control disconnecter.
- ◆ Without remote signaling contact for control device.
- ◆ Fault indication via red mark in the inspection window.



Model No.	FV12.5B+C/3-1000PVN(S)	FV12.5B+C/3-1200PVN
Test class IEC/EN/VDE	Class I+II/B+C/T1 T2	
Type of Network	Photovoltaic systems DC side	
Protection modes	(+/-)-PE , (-/+)-PE	
Nominal Voltage UN	1000 Vdc	1200 Vdc
Maximum continuous operating voltage for PV application U _{CPV}	1000 Vdc	1440 Vdc
Continuous operating current I _{CPV}	<20 μA	
Residual current I _{PE}	≤20 μA dc / ≤500 μA ac	
Standby power consumption P _c	≤25 mVA	
Nominal discharge current (8/20μs) I _n	20 kA	
Impuse discharge current (10/350μs) I _{imp}	6.25 kA	
Total Impuse discharge current (10/350μs) I _{total}	12.5 kA	
Voltage protection level U _p	≤4.75 kV	≤5.0kV(+/-)
Isolation resistance R _{isol}	>1000 MΩ	
Response time tA	≤25 ns(+/-) / ≤100 ns (+/PE, -/PE)	
Recommended back-up fuse	160A	
Isolation resistance	>10 ² MΩ	
I/O Connections	Multi core wire: 4mm ² ~25mm ² , Single core wire: 4mm ² ~35mm ²	
Mounting	Symmetrical rail (EN50022/DIN46277-3)	
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / ≤2000m	
Degree of protection	IP20	
Housing material	UL94 V-0	
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)	
Remote control contact	Optional	NO

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U _{max} ≤250V	Single core wire	Max≤1.3mm ²
		I _{max} ≤0.5A		
	DC	U _{max} ≤60V	Multi core wire	Max≤1.3mm ²
		I _{max} ≤0.1A		

Remark: if the model number is without "S", the model is without remote control contact function