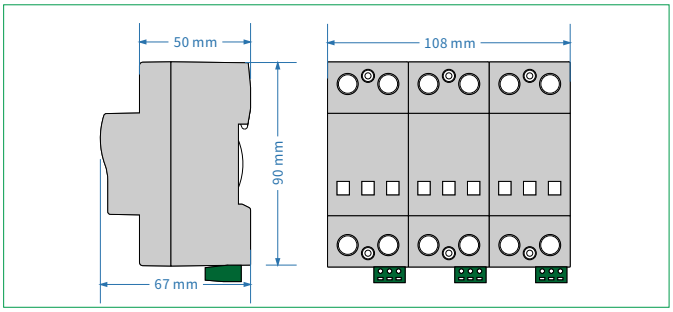
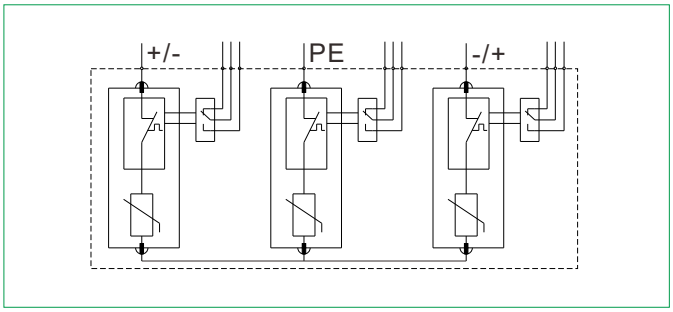
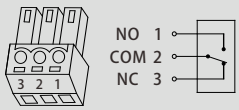
FV25B/3 -***PV (S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 3 poles, Y type.



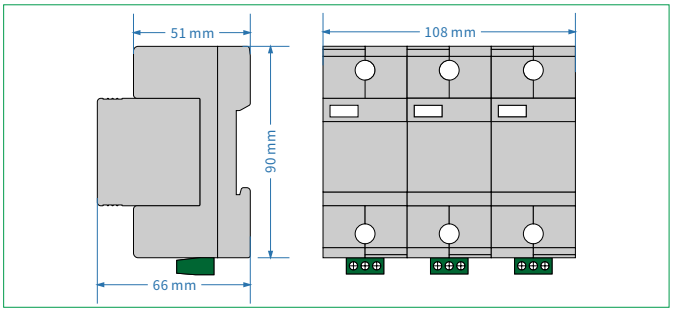


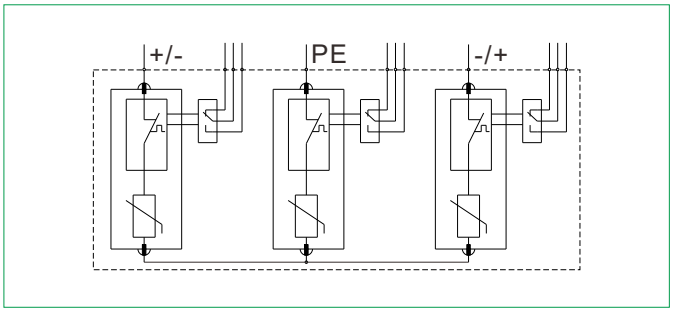
Model No.	FV25B/3-500PV (S)	FV25B/3-600PV (S)
Test class according IEC/EN 50539-11	Class I/B/T1	
Type of network	Photovoltaic system	
Protection Mode	+/- — PE 、 -/+ — PE、+/- — -/+	
Nominal voltage 50(60)Hz U_N	500V dc	600V dc
Maximum continuous operating voltage for PV application U_{CPV}	560V dc	670V dc
Max. discharge current (8/20μs) I_{max}	100kA	
Nominal discharge current (8/20μs) I_n	50kA	
Impulse current (10/350μs) I_{imp}	25kA	
Voltage protection level U_p	≤2.8kV	≤3.4kV
Response time t_A	≤25ns	
Recommended back-up fuse	315A	
Isolation resistance	>10^2MΩ	
I/O Connections	Multi core wire：6mm^2~35mm^2	
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)	
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m	
Degree of protection	IP20	
Housing material	UL94 V-0	
Disconnection indicator	Mechanical indicator (Red: replace)	
Remote control contact	Optional	

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm^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				

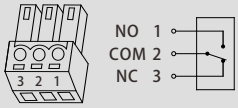
FV30B+C/3-***PV(S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 3 poles, Y type



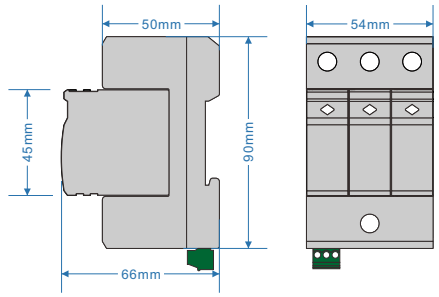


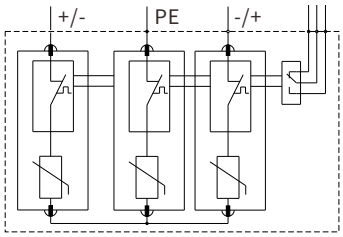
Model No.	FV30B+C/3-800PV(S)	FV30B+C/3-1000PV(S)	FV30B+C/3-1500PV(S)
Test class IEC/EN/VDE	Class I+II/B+C/ T1 T2		
Type of Network	Photovoltaic system		
Protection Mode	+/- — PE 、 -/+ — PE 、+/- — -/+		
Nominal voltage 50(60)Hz U_N	800V dc	1000V dc	1500V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	825V dc	1060V dc	1800V dc
Max. discharge current (8/20μs) I_{max}	60kA		
Nominal discharge current (8/20μs) I_n	30kA		
Impulse current (10/350μS) I_{imp}	7kA		
Voltage protective level U_p	≤3.6kV	≤4.0kV	≤6.0kV
Response time t_A	≤25ns		
Recommended back-up fuse	160A		
Isolation resistance	$>10^2$MΩ		
I/O Connections	Multi core wire：6mm²~35mm²		
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)		
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m		
Degree of protection	IP20		
Housing material	UL94 V-0		
Disconnection indicator	Mechanical indicator (Red: replace)		
Remote control contact	Optional		

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

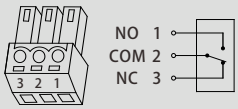
FV30B+C/3-***PV(S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 3 poles, Y type.



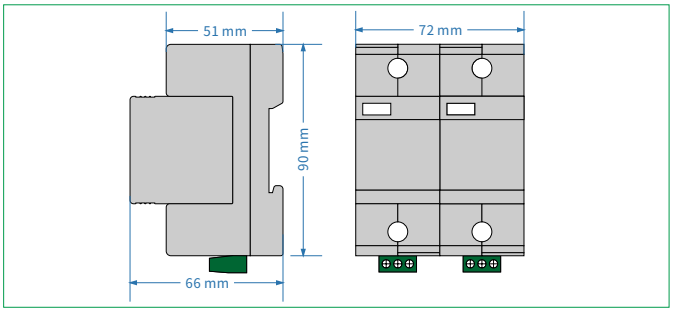


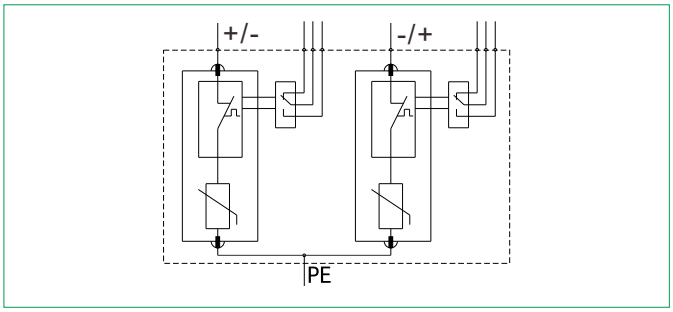
Model No.	FV30B+C/3-500PV(S)	FV30B+C/3-600PV(S)
Test class IEC/EN/VDE	Class I+II/B+C/ T1 T2	
Type of Network	Photovoltaic system	
Protection Mode	+/- — PE 、 -/+ — PE、+/- — -/+	
Nominal voltage 50(60)Hz U_N	500V dc	600V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	560V dc	670V dc
Max. discharge current (8/20μs) I_{max}	60kA	
Nominal discharge current (8/20μs) I_n	30kA	
Impulse current (10/350μS) I_{imp}	7kA	
Voltage protective level U_p	≤2.0kV	≤3.0kV
Response time t_A	≤25ns	
Recommended back-up fuse	160A	
Isolation resistance	$>10^2$MΩ	
I/O Connections	Multi core wire:6mm²~35mm²	
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)	
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m	
Degree of protection	IP20	
Housing material	UL94 V-0	
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)	
Remote control contact	Optional	

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark: if the model number is without "S", the model is without remote control contact function				

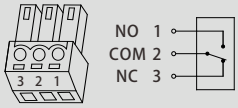
FV30B+C/2 -***PV (S)

- DC surge protective device used for photovoltaic system .
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device.
- Fault indication via red mark in the inspection window.
- 2 poles, Y type.



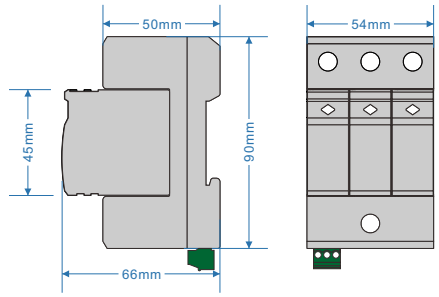


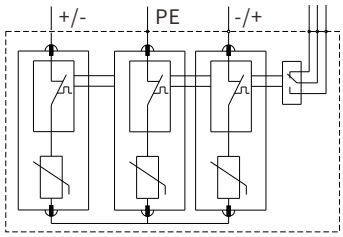
Model No.	FV30B+C/2-500PV (S)	FV30B+C/2-600PV (S)	FV30B+C/2-800PV (S)	FV30B+C/2-1000PV (S)
Test class IEC/EN/VDE	Class I+II/B+C/ T1 T2			
Type of Network	Photovoltaic system			
Protection Mode	+/- — PE 、 -/+ — PE			
Nominal voltage 50(60)Hz U_N	500V dc	600V dc	800V dc	1000V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	560V dc	670V dc	825V dc	1060V dc
Max. discharge current (8/20μs) I_{max}	60kA			
Nominal discharge current (8/20μs) I_n	30kA			
Impulse current (10/350μS) I_{imp}	7kA			
Voltage protective level U_p	≤2.0kV	≤3.0kV	≤3.6kV	≤4.0kV
Response time t_A	≤25ns			
Recommended back-up fuse	160A			
Isolation resistance	>10^2MΩ			
I/O Connections	Multi core wire：6mm²~35mm²，Single core wire：4mm²~35mm²			
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)			
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m			
Degree of protection	IP20			
Housing material	UL94 V-0			
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)			
Remote control contact	Optional			

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

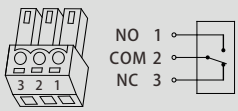
FV20C/3 -***PV (S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 3 poles, Y type.



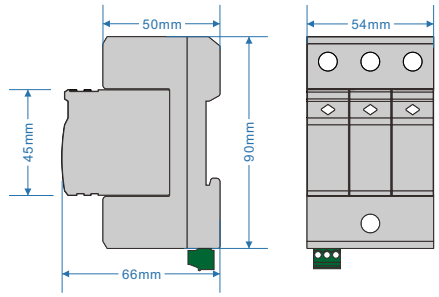


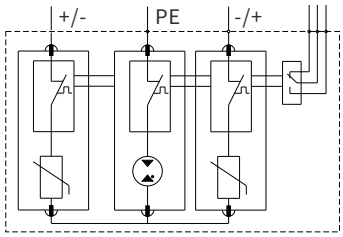
Model No.	FV20C/3-48PV (S)	FV20C/3-96PV (S)	FV20C/3-500PV (S)	FV20C/3-600PV (S)	FV20C/3-800PV (S)	FV20C/3-1000PV (S)	FV20C/3-1500PV (S)
Test class IEC/EN/VDE	Class II/C/T2						
Type of Network	Photovoltaic system						
Protection Mode	+/- — PE 、 -/+ — PE、+/- — -/+						
Nominal voltage 50(60)Hz U_N	48V dc	96V dc	500V dc	600V dc	800V dc	1000V dc	1500V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	75V dc	125V dc	560V dc	670V dc	825V dc	1060V dc	1800V dc
Max. discharge current (8/20μs) I_{max}	40kA						
Nominal discharge current (8/20μs) I_n	20kA						
Voltage protective level U_p	≤0.6kV	≤0.8kV	≤1.8kV	≤2.4kV	≤3.0kV	≤3.6kV	≤5.0kV
Response time t_A	≤25ns						
Recommended back-up fuse	125A						
Isolation resistance	$>10^2$MΩ						
I/O Connections	Multi core wire：4mm²~25mm²						
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)						
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m						
Degree of protection	IP20						
Housing material	UL94 V-0						
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)						
Remote control contact	Optional						

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

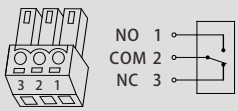
FV20C/2+NPE -***PV (S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 3 poles, Y type.



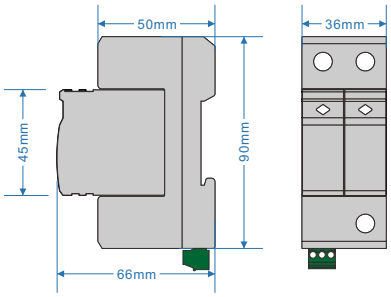


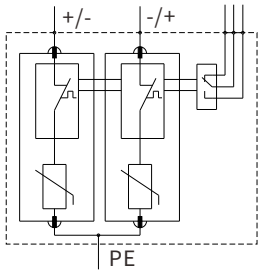
Model No.	FV20C/2+NPE-500PV (S)	FV20C/2+NPE-600PV (S)	FV20C/2+NPE-800PV (S)	FV20C/2+NPE-1000PV (S)
Test class IEC/EN/VDE	Class II/C/T2			
Type of Network	Photovoltaic system			
Protection Mode	+/- — PE 、 -/+ — PE、+/- — -/+			
Nominal voltage 50(60)Hz U_N	500V dc	600V dc	800V dc	1000V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	560V dc	670V dc	825V dc	1060V dc
Max. discharge current (8/20μs) I_{max}	40kA			
Nominal discharge current (8/20μs) I_n	20kA			
Voltage protective level U_p	≤2.0kV	≤2.5kV	≤3.0kV	≤3.6kV
Response time t_A	≤25ns			
Recommended back-up fuse	125A			
Isolation resistance	$>10^2$MΩ			
I/O Connections	Multi core wire：4mm²~25mm²			
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)			
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m			
Degree of protection	IP20			
Housing material	UL94 V-0			
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)			
Remote control contact	Optional			

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.3mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

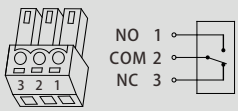
FV20C/2 -***PV (S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- Type 2/ Class C.
- 2 poles, U type.



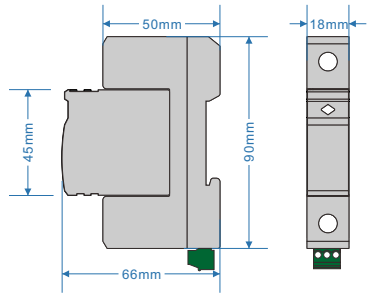


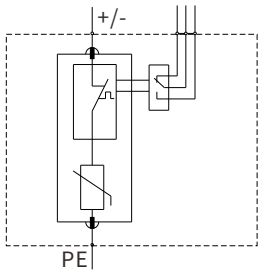
Model No.	FV20C/2-48PV (S)	FV20C/2-96PV (S)	FV20C/2-500PV (S)	FV20C/2-600PV (S)	FV20C/2-800PV (S)	FV20C/2-1000PV (S)
Test class IEC/EN/VDE	Class II/C/T2					
Type of Network	Photovoltaic system					
Protection Mode	+/- — PE 、 -/+ — PE					
Nominal voltage 50(60)Hz U_N	48V dc	96V dc	500V dc	600V dc	800V dc	1000V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	75V dc	125V dc	560V dc	670V dc	825V dc	1060V dc
Max. discharge current (8/20μs) I_{max}	40kA					
Nominal discharge current (8/20μs) I_n	20kA					
Voltage protective level U_p	≤0.6kV	≤0.8kV	≤1.8kV	≤2.4kV	≤3.0kV	≤3.6kV
Response time t_A	≤25ns					
Recommended back-up fuse	125A					
Isolation resistance	$>10^2$MΩ					
I/O Connections	Multi core wire：4mm²~25mm²					
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)					
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m					
Degree of protection	IP20					
Housing material	UL94 V-0					
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)					
Remote control contact	Optional					

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.3mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

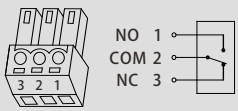
FV20C/1-***PV(S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 1 poles, I type.



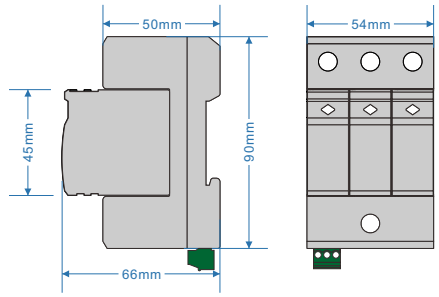


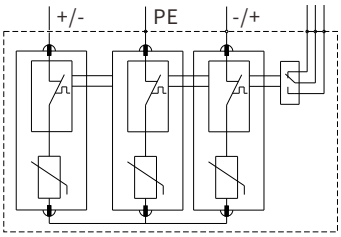
Model No.	FV20C/1-48PV(S)	FV20C/1-96PV(S)	FV20C/1-500PV(S)	FV20C/1-600PV(S)	FV20C/1-800PV(S)	FV20C/1-1000PV(S)
Test class IEC/EN/VDE	Class II/C/T2					
Type of Network	Photovoltaic system					
Protection Mode	+/- — PE					
Nominal voltage 50(60)Hz U_N	48V dc	96V dc	500V dc	600V dc	800V dc	1000V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	75V dc	125V dc	560V dc	670V dc	825V dc	1060V dc
Max. discharge current (8/20μs) I_{max}	40kA					
Nominal discharge current (8/20μs) I_n	20kA					
Voltage protective level U_p	≤0.6kV	≤0.8kV	≤1.8kV	≤2.4kV	≤3.0kV	≤3.6kV
Response time t_A	≤25ns					
Recommended back-up fuse	125A					
Isolation resistance	$>10^2$MΩ					
I/O Connections	Multi core wire：4mm²~25mm²					
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)					
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m					
Degree of protection	IP20					
Housing material	UL94 V-0					
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)					
Remote control contact	Optional					

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

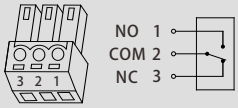
FV10D/3-***PV(S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 3 poles, Y type.



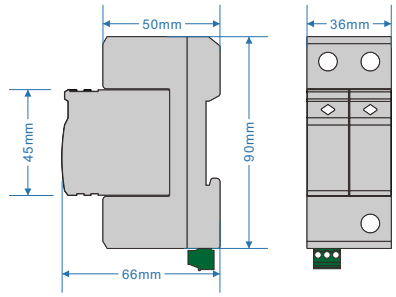


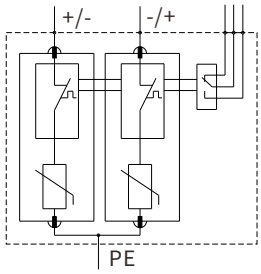
Model No.	FV10D/3-48PV(S)	FV10D/3-96PV(S)	FV10D/3-500PV(S)	FV10D/3-600PV(S)	FV10D/3-800PV(S)	FV10D/3-1000PV(S)	FV10D/3-1500PV(S)
Test class IEC/EN/VDE	Class III/D/ T3						
Type of Network	Photovoltaic system						
Protection Mode	+/- — PE 、 -/+ — PE、+/- — -/+						
Nominal voltage 50(60)Hz U_N	48V dc	96V dc	500V dc	600V dc	800V dc	1000V dc	1500V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	75V dc	125V dc	560V dc	670V dc	825V dc	1060V dc	1800V dc
Max. discharge current (8/20μs) I_{max}	20kA						
Nominal discharge current (8/20μs) I_n	10kA						
Voltage protective level U_p	≤0.3kV	≤0.6kV	≤1.8kV	≤2.4kV	≤3.0kV	≤3.6kV	≤5.0kV
Response time t_A	≤25ns						
Open circuit voltage U_{oc}	20kV						
Recommended back-up fuse	125A						
Isolation resistance	$>10^2$MΩ						
I/O Connections	Multi core wire:4mm²~25mm²						
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)						
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m						
Degree of protection	IP20						
Housing material	UL94 V-0						
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)						
Remote control contact	Optional						

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark: if the model number is without "S", the model is without remote control contact function				

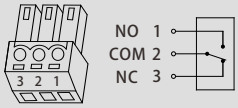
FV10D/2-***PV(S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 2 poles, U type.



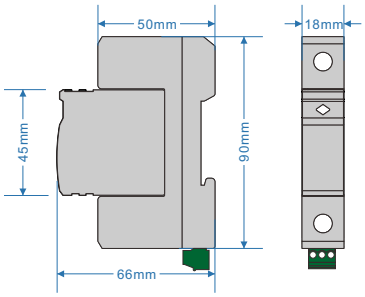


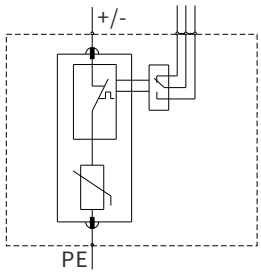
Model No.	FV10D/2-48PV(S)	FV10D/2-96PV(S)	FV10D/2-500PV(S)	FV10D/2-600PV(S)	FV10D/2-800PV(S)	FV10D/2-1000PV(S)
Test class IEC/EN/VDE	Class III/D/					
Type of Network	Photovoltaic system					
Protection Mode	+/- — PE 、 -/+ — PE					
Nominal voltage 50(60)Hz U_N	48V dc	96V dc	500V dc	600V dc	800V dc	1000V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	75V dc	125V dc	560V dc	670V dc	825V dc	1060V dc
Max. discharge current (8/20μs) I_{max}	20kA					
Nominal discharge current (8/20μs) I_n	10kA					
Voltage protective level U_p	≤0.3kV	≤0.6kV	≤1.8kV	≤2.4kV	≤3.0kV	≤3.6kV
Response time t_A	≤25ns					
Open circuit voltage U_{oc}	20kV					
Recommended back-up fuse	125A					
Isolation resistance	$>10^2$MΩ					
I/O Connections	Multi core wire：4mm²~25mm²					
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)					
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m					
Degree of protection	IP20					
Housing material	UL94 V-0					
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)					
Remote control contact	Optional					

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

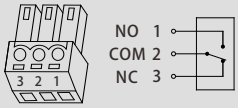
FV10D/1-***PV(S)

- DC surge protective device used for photovoltaic system.
- The core parts are metal oxide vristor components with high discharge capacity.
- With Reliable control thanks to Thermo Dynamic Control disconnector.
- Remote signaling contact for control device optional.
- Fault indication via red mark in the inspection window.
- 1 poles, I type.



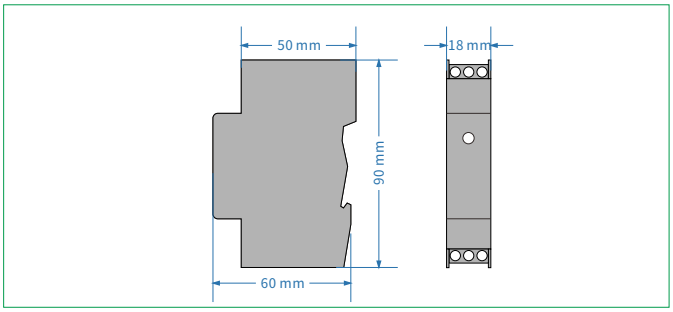


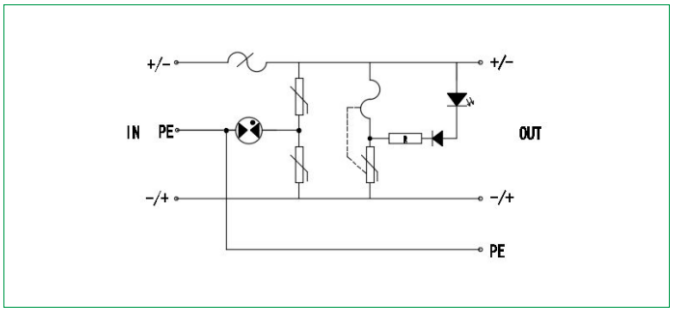
Model No.	FV10D/1-48PV(S)	FV10D/1-96PV(S)	FV10D/1-500PV(S)	FV10D/1-600PV(S)	FV10D/1-800PV(S)	FV10D/1-1000PV(S)
Test class IEC/EN/VDE	Class III/D/ T3					
Type of Network	Photovoltaic system					
Protection Mode	+/- — PE					
Nominal voltage 50(60)Hz U_N	48V dc	96V dc	500V dc	600V dc	800V dc	1000V dc
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	75V dc	125V dc	560V dc	670V dc	825V dc	1060V dc
Max. discharge current (8/20μs) I_{max}	20kA					
Nominal discharge current (8/20μs) I_n	10kA					
Voltage protective level U_p	≤0.3kV	≤0.6kV	≤1.8kV	≤2.0kV	≤2.8kV	≤3.2kV
Response time t_A	≤25ns					
Open circuit voltage U_{oc}	20kV					
Recommended back-up fuse	125A					
Isolation resistance	$>10^2$MΩ					
I/O Connections	Multi core wire：4mm²~25mm²					
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)					
Operation temperature range / humidity / altitude	-40°C~+80°C / 30%~90% / 3000m					
Degree of protection	IP20					
Housing material	UL94 V-0					
Disconnection indicator	Mechanical indicator (Green: OK, Red: replace)					
Remote control contact	Optional					

Port definition of remote control contact	Range of signal access		Recommended wire specification	
	AC	U_{max}≤250V	Single core wire	Max≤1.5mm²
		I_{max}≤0.5A		
	DC	U_{max}≤60V	Multi core wire	Max≤1.3mm²
		I_{max}≤0.1A		
Remark：if the model number is without“S”, the model is without remote control contact function				

FV03D/2-***PVL

- Surge protective device used for DC power supply system.
- LED Failure indicator.
- Small size, convenient installation.
- 2 poles U type.





Model No.	FV03D/2-30PVL	FV03D/2-150PVL	FV03D/2-350PVL
Test class IEC/EN/VDE	Class III/D/ T3		
Type of Network	Photovoltaic system		
Protection Mode	+/- — PE 、 -/+ — PE、+/- — -/+		
Rated Voltage (Max. Cont. Operating Voltage) U_{CPV}	36V dc	180V dc	410V dc
Max. discharge current (8/20μs) I_{max}	6kA		
Nominal discharge current (8/20μs) I_n	3kA		
Voltage protective level U_p	≤0.21kV	≤0.70kV	≤1.40kV
Open circuit voltage U_{oc}	6kV		
Response time t_A	L-N:≤25ns , L/N-PE:≤100ns		
Isolation resistance	$>10^2$MΩ		
I/O Connections	Multi core wire：0.3mm²~2.0mm²		
Mounting	35mm Symmetrical rail (EN50022/DIN46277-3)		
Operation temperature range / humidity / altitude	-40℃~+80℃ / 30%~90% / 3000m		
Degree of protection	IP20		
Housing material	UL94 V-0		
Disconnection indicator	LED indicator (Green: OK, Go out: replace)		