

FV20C/2+NPE-*** PVS



- ◆Category IEC / EN / VDE: Class II / Type 2 / C.
- ◆Location of use: Photovoltaic System DC side.
- ◆Protection modes: (+/-) - PE, (-/+) - PE
- ◆Protective elements: MOV + GDT
- ◆High surge discharge rating: $I_{max}=40kA$.
- ◆Complies with: IEC/EN 61643-11:2011
IEC/EN 50539-11
UTE C 61-740-51

Model NO.	FV20C/2+NPE-500PVS	FV20C/2+NPE-600PVS	FV20C/2+NPE-800PVS	FV20C/2+NPE-1000PVS
Test Class According to IEC/EN50539-11&IEC/EN61643-11	Class II			
Nominal Voltage U_n	500Vdc	600Vdc	800Vdc	1000Vdc
Max. Cont. Operation Voltage $U_{c,pv}$	560Vdc	670Vdc	825Vdc	1060Vdc
Maximum Discharge Current(8/20 μ s) I_{max}	40kA			
Nominal Discharge Curren (8/20 μ s) I_n	20kA			
Voltage Protective Level U_p (CM)	$\leq 2.0kV$	$\leq 2.5kV$	$\leq 3.0kV$	$\leq 3.5kV$
Voltage Protective Level U_p (DM)	$\leq 2.0kV$	$\leq 2.4kV$	$\leq 3.2kV$	$\leq 3.4kV$
Response Time t_A	$\leq 25ns$			
Recommended Back-up Fuse	125A			
Isolation Resistance	$>102M\Omega$			
I/O Connections	Multi-strand 4~25mm ² , Single-strand: 4~35mm ²			
Mounting	35mm,Symmetrical rail(EN50022/DIN46277-3)			
Operation Temperature Range	-40 $^{\circ}C$ ~+85 $^{\circ}C$			
Degree of Protection	IP20			
Housing Material	UL94V0			
Disconnection Indicator	Mechanical indicator			
Remote Control Contact	Optional			

CM=Common mode(+/PE or -/PE) DM=Differential mode(+/-)

