

PVB12.5... -S

▪ MOV or VT Technology ▪ I_{max} 12.5kA


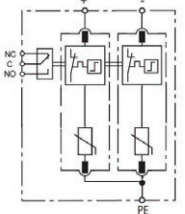
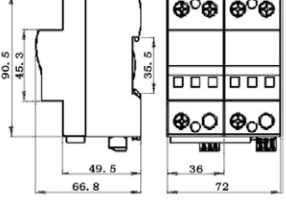

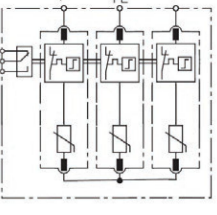
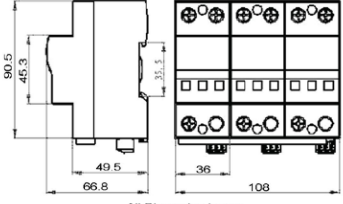

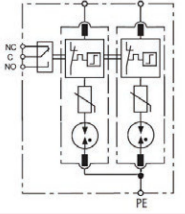
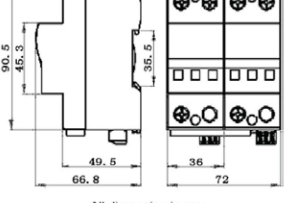

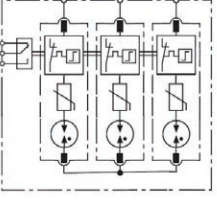
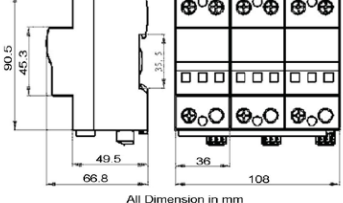


- Non-pluggable T1+2 PV SPD with high energy MOV/VT technology
- High lightning current discharge capacity up to I_{imp} 12.5kA 10/350
- Prewired V or Y protection circuit, for common mode & differential mode protection
- Degradation indication & optional remote signal contact
- Lower voltage protection level
- Model with VT technology to eliminate leakage current & follow current for better reliability and robustness.
- Comply with EN/IEC61643-31, EN50539-11, UL 1449 4th, IEEE C62.41, CSA C22.2



Model		PVB12.5-600-V-C-S	PVB12.5-1000-V-CD-S	PVB12.5-600-VT-C-S	PVB12.5-1000-VT-CD-S
Compliance		IEC61643-31, EN50539-11, UL1449 4 th			
Category EN/IEC/UL		T1+2/ Class I+II / Type 1ca			
Nominal PV System Voltage (DC)	U_n	600V	1000V	600V	1000V
Max. Continuous Operating DC Voltage	U_{cpV}	640V	1060V	640V	1020V
Technology		High energy MOV Technology Thermal disconnecter		VT technology Thermal disconnecter	
Ports/Protection Mode		Common	Common + Differential	Common	Common + Differential
Lightning Impulse Current (10/350 μ s)	I_{imp}	12.5kA			
Nominal Discharge Current (8/20 μ s)	I_n	12.5kA			
Max. Discharge Current (8/20 μ s)	I_{max}	100kA			
Voltage Protection Level	U_p	$\leq 1.8kV$	$\leq 3.2kV$	$\leq 1.8kV$	$\leq 3.2kV$
Residual Current	I_{PE}	$< 0.1mA$	$< 0.1mA$	No	No
Follow Current	I_f	No			
Short Circuit Withstand Capacity	I_{scpv}	1000A			
Response Time	t_A	$\leq 25ns$			
Environment		Temperature Range: $-40^\circ C \sim +80^\circ C$; Humidity: $\leq 95\%$; Altitude: $\leq 2000m$			
Cross-Section of Connection Wire		Single-strand 35mm ² ; multi-strand 25mm ²			
Mounting		35mm DIN-rail in accordance with EN 50022/DIN46277-3			
Enclosure Material		thermoplastic; extinguishing degree UL94 V-0			
Degree of Protection		IP20			
Installation Width		2 modules, DIN 43880			
Failure Indication /Status		RED- Failure			
Remote Alarm Contact		Yes			
Approvals, certification		CE			
Diagram		1	2	3	4
Additional Data for Remote Alarm Contacts					
Remote Alarm Contact Type		Isolated Form C			
Switching Capability U_r/I_n		AC: 250V/0.5A; DC: 250V/0.1A; 125V/0.2A; 75V/0.5A			
Max. Size of Connecting Wire		Max. 1.5mm ² (or # 16AWG)			

Prewired Multi-pole SPD

Diagram	Basic Circuit Diagram	Dimension Drawing
<p>1)</p> 		 <p>All dimension in mm</p>
<p>2)</p> 		 <p>All Dimension in mm</p>
<p>3)</p> 		 <p>All dimension in mm</p>
<p>4)</p> 		 <p>All Dimension in mm</p>