



# SURGE PROTECTION

## DC SURGE PROTECTIVE DEVICES - SAPV SERIES

**DC**  
Surge  
Protective  
Devices

- Specifically designed for photovoltaic systems, DC application.
- According to standard EN 50539-11.
- Surge protective device Type 2 / Class II (IEC 61643-31).
- Suitable for protection against induced overvoltages (tested at  $8/20\mu\text{s}$ ).
- Discharger elements made with Metal Oxide Varistor technology (MOV).
- Pluggable solution, to facilitate maintenance. With mechanical coding system which identify the different plugs (cartridge), to avoid possible replacement errors.
- Integrated disconnection system capable of disconnecting the SPD at the end of its operating life time (OCFM).
- Local signaling of the operating status condition, available on the front side.
- Remote signaling of the operating status condition, with changeover relay.
- Without back-up fuse for short circuit current ( $I_{SCP}$ ) up to 1000A.
- IP20 degree, on terminals.
- Fixing on DIN rail.
- Indoor installation.



Maximum continuous operating voltage  $U_{CPV}$ : 600 Vdc

Bremas SPD T2 600V 40kA



Maximum continuous operating voltage	Nominal discharge current (8/20 $\mu$ s)	Maximum discharge current (8/20 $\mu$ s)	Voltage protection level	Code	Remote signaling
$U_{CPV}$ (Vdc)	$I_n$ (kA)	$I_{max}$ (kA)	$U_p$ (kV)		
600	18	40	< 2,7	SAPV060T2	No
600	18	40	< 2,7	SAPV060T2R	Yes

Maximum continuous operating voltage  $U_{CPV}$ : 1040 Vdc

Bremas SPD T2 1040V 40kA



Maximum continuous operating voltage	Nominal discharge current (8/20 $\mu$ s)	Maximum discharge current (8/20 $\mu$ s)	Voltage protection level	Code	Remote signaling
$U_{CPV}$ (Vdc)	$I_n$ (kA)	$I_{max}$ (kA)	$U_p$ (kV)		
1040	18	40	< 3,5	SAPV100T2	No
1040	18	40	< 3,5	SAPV100T2R	Yes

## Accessories

Replacement plug



Maximum continuous operating voltage	Nominal discharge current (8/20 $\mu$ s)	Maximum discharge current (8/20 $\mu$ s)	Code	Description
$U_{CPV}$ (Vdc)	$I_n$ (kA)	$I_{max}$ (kA)		
600	18	40	SAXCPV060	For Bremas SPD type SAPV060...
1040	18	40	SAXCPV100	For Bremas SPD type SAPV100...



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ISO 9001 Certified Quality System

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