OVERVOLTAGE PROTECTION FOR PV SYSTEMS

ETITEC V T2 690V (EN/IEC/VDE: T2/II/C)

ETITEC V series of overvoltage surge protective devices has been developed to protect the new generation PV network inverters with an output voltage of 800V (line voltage). The circuit topology consist of three (four) parallel-connected varistor modules. Each pole is equipped with a visual indication.

Advantages:

Type 2 AC Surge Protector
- I_n : 20 kA
- I_{max} : 40 kA
- Pluggable module for each phase
- Remote signaling option
- IEC 61643-11 and EN 61643-11 compliance
- UL1449 ed.4

ETITEC V T2						
Type	Code No.	I_n/I_{max} [kA]	U_c [V AC]	Network	Weight [g]	Packaging [pcs]
ETITEC V T2 690/20 3+0 RC	002442988	20/40	750	TNC	319	1/24
ETITEC V T2 690/20 4+0 RC	002442989	20/40	750	TNC-S	420	1/18

Designation:

ETITEC V T2 xxx/20 p+c RC

xxx - voltage Uc (max. operating voltage AC), must be above the mains voltage
20 - 20kA (8/20us)
p - number of poles with varistors MOV
c - 0 varistors MOV at the NPE pole, 1 gas-discharge GDT (TT systems)
RC - Remote signaling contact

ETITEC V T2 690/20 3+0 RC

Technical data	
Type	**ETITEC V T2 690/20**
Class (IEC/EN/VDE)	II/T2/C
Network (TN)	690 V/1f
Max. AC operating voltage (AC) U_C	760 V
Temporary Over Voltage Characteristics (TOV) U_T (AC)	1000 V/5s withstand
	1300V/120 min safe turn off
Residual current Ipe	< 1 mA
Follow current If	**none**
Nominal discharge current In (15 imp. x 8/20)	20 kA
Max. discharge current Imax (8/20)	40 kA
Protection level Up	3,5 kV
Admissible short-circuit current I_{SCCR}	25 000A
Thermal disconnector	**internal**
Fuses	125 A gG
Installation ground fault breaker	Type «S» or delayed
Connection to Network	By screw terminals: 2,5-25 mm² / by bus
Disconnection indicator	1 mechanical indicator
Remote signaling of disconnection (RC)	✓
Mounting	Symmetrical rail 35 mm (EN60715)
Operating temperature	- 40°C ...+85°C
Protection rating	IP 20
Housing material	Thermoplastic UL94-V0
Standards	IEC 61643-11 / EN 61643-11

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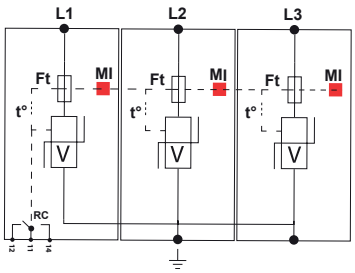

ETITEC V T2 690/20 4+0 RC