

# MOD.ETITEC S C-PV 300/20

## Specificații



Descriere	MOD.ETITEC S C-PV 300/20
Greutate	78
Nivel	Descarcatoare pentru PV
Uc Tensiune de lucru continuă (V)	300
Funcție	Descărcătoare
Tip	C
Număr de poli	2
Utilizare (IEC/VDE)	II / C
RC	NU
Grup Catalog	ETITEC S C-PV Descărcătoare Tip2 modular, serie nouă
I <sub>max</sub> (8/20) [kA]	40

## General characteristics

Category IEC/EN/VDE Class II/Type 2/C	High surge discharge ratings: $I_n = 20\text{kA}/\text{per pole}$ , $I_{\text{max}} = 40\text{kA}/\text{per pole}$
Location of use: PV systems	Internal protection and safety: Current limiter, GDT and thermal disconnecter with arc cutter for each MOV block
Protective element : High Energy MOVs	Status indication: Mechanical flag + remote signalization contacts (RC)

## ETITEC S C - PV

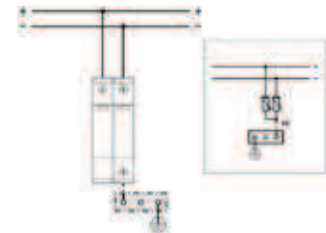
Type	$U_c$ [V DC]	$I_n$ [kA]	Weight Estimated [g]	Packaging [pcs]	
ETITEC S C-PV 75/20 RC	75	20	132	1	
ETITEC S C-PV 75/20	75		130	1	
ETITEC S C-PV 300/20 RC	300		202	1	
ETITEC S C-PV 300/20	300		200	1	
ETITEC S C-PV 600/20 RC	600		280	1	
ETITEC S C-PV 600/20	600		278	1	
ETITEC S C-PV 1000/20 RC	1000		290	1	
ETITEC S C-PV 1000/20 Y RC	1000		398	1	
ETITEC S C-PV 1000/20	1000		288	1	
ETITEC S C-PV 1000/20 Y	1000		396	1	
ETITEC S C-PV 1200/20 Y RC	1200		386	1	
ETITEC S C-PV 1200/20 Y	1200		388	1	
ETITEC S C-PV 1500/20 Y RC	1500		402	1	
ETITEC S C-PV 1500/20 Y	1500		400	1	
<b>MODULES</b>					
MOD.ETITEC S C-PV 75/20	75			78	12
MOD.ETITEC S C-PV 300/20	300		78	12	
MOD.ETITEC S C-PV 600/20	600		78	12	
MOD.ETITEC S C-PV 1000/20	1000		78	12	
MOD.ETITEC S C-PV 1000/20 Y	1000		78	12	
MOD.ETITEC S C-PV 1200/20 Y	1200		78	12	
MOD.ETITEC S C-PV 1500/20 Y	1500		78	12	

\*RC - Remote signalization contacts

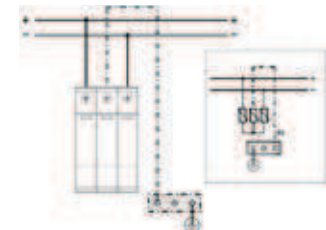
$U_c > 1,2 \times U_{ocstc}$  (open circuit voltage under standard test conditions)

## Technical data

Type	ETITEC S C-PV xxxx/20				ETITEC S C-PV XXXX/20 Y		
	75	300	600	1000	1000	1200	1500
In accordance with	prEN 50539-11, UTE C 61-740-51						
Max. continuous operating voltage $U_c$ (DC)	75V	300V	600V	1000 V	1000 V	1200 V	1500 V
Nominal discharge current $I_n$ (8/20)	12,5 kA	20 kA	20 kA	15 kA	20 kA	20 kA	20 kA
Max. discharge current $I_{\text{max}}$ (8/20)	25 kA	40 kA	40 kA	30 kA	40 kA	40 kA	40 kA
Protection level $U_p$ at $I_n$ (8/20)	< 0,6 kV	< 1,6 kV	< 2,2 kV	< 2,8 kV	< 4,0 kV	< 4,4 kV	< 4,8kV
Short circuit withstand $I_{scpv}$	200A						
Follow current $I_f$	No						
Response time $t_r$	< 25 ns						
Thermal protection	yes						
Temperature range	-40°C ... +80°C						
Terminal cross section	35 mm <sup>2</sup> (solid) / 25 mm <sup>2</sup> (stranded)						
Terminal screw torque	Max. 3,0 Nm						
Mounting EN 60715	35 mm top-hat rail						
Degree of protection	IP20						
Housing material	Thermoplastic, extinguishing degree UI 94 V-0						
Dimensions DIN 43880	2 TE	2 TE	2 TE	2 TE	3 TE	3 TE	3 TE
Remote contacts - type ...RC							
Contacts ratings	AC 250 V / 0,5 A; 125 V / 3 A						
Terminal cross section	Max. 1,5 mm <sup>2</sup>						
Terminal screw torque	0,25 Nm						
Packaging dimensions (WxHxL)	76,5 mm x 41,5 mm x 109 mm				76,5 mm x 60 mm x 109 mm		



ETITEC S C-PV 75...1000/20  
V configuration



ETITEC S C-PV 1000...1500/20 Y  
Y configuration

For signal, control lines and communication SPD protection (Ethernet, RS485) check our catalogue Building and industry(1+2) under program group ETITEC