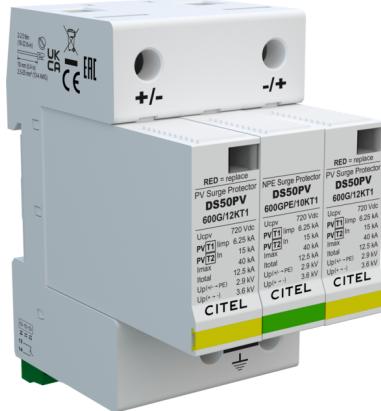




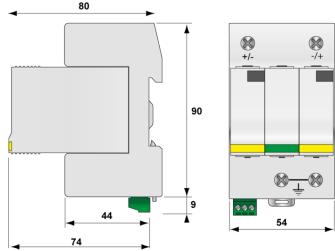
CITEL

Type 1+2 PV surge protector - 600 Vdc

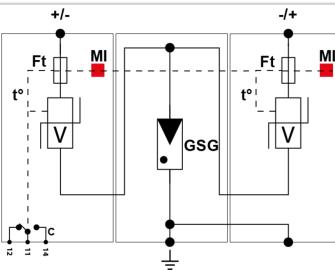
DS50PVS-600G/12KT1



- ▶ Type 1+2 surge protector for Photovoltaic
 - ▶ Impulse currents limp/I_{total} : 6.25/12.5 kA (10/350μs)
 - ▶ Common/Differential mode protection
 - ▶ Remote signaling
 - ▶ IEC 61643-31, EN 61643-31, EN 50539-11 and UL1449 ed.5 compliance



Electrical Characteristics		
SPD type	IEC	1+2
Network		PV 500 Vdc
Nominal PV voltage	Uocstc	600 Vdc
Max. PV operating voltage	Ucpv	720 Vdc
Residual Current	Ipe	None
Leakage current to Ground		
PV Permanent Operating current	Icpv	< 0.1 mA
Current consumption at Ucpv		
Follow current	If	None
Nominal discharge current 15 x 8/20 µs impulses	In	15 kA
Max. discharge current max. withstand @ 8/20 µs by pole	Imax	40 kA
Total Maximum discharge current max. total withstand @ 8/20 µs	Imax Total	60 kA
Impulse current by pole max. withstand 10/350µs by pole	Iimp	6.25 kA
Total lightning current max. total withstand @ 10/350µs	Itotal	12.5 kA
Current withstand short circuit PV	Iscpv	15 000 A
Connection mode(s)		+/-PE
Protection mode(s)		Common/Differential mode
Protection level +/- @ In (8/20µs)	Up	3.6 kV
Protection level +/PE (-/PE) @ In (8/20µs)	Up	2.9 kV



Mechanical Characteristics	
Technology	MOV+GDT
Connection to Network	By screw terminals: 2.5-25mm ²
Format	Plug-in modular box
Mounting	Symmetrical rail 35 mm (EN 60715)
Housing material	Thermoplastic UL94 V-2
Operating temperature	T _U -40/+85°C
Protection rating	IP20
Disconnection indicator	2 mechanical indicators
Spare module(s)	DSM50PVS-600G/12KT1 + DSM50PVS-600GPE/12KT1
Remote signaling of disconnection	Output on changeover contact
Dimensions	See diagram
Weight	0.328 kg
Disconnectors	
Thermal disconnector	Internal
Back-up protection device	Without
Standards	
Standards compliance	IEC 61643-31 / EN 61643-31 / EN 50539-11 / UL1449 ed.5
Part number	
482443	

