



Product Selection Guide

EK U5 - T1+T2 - 40 PV - 3M - 1500 S

EK	ETEK
U5	SPD series No.5
T1+T2	Class I + II / Type 1+2
40	I.max: 40kA
PV	Solar PV System
3M	No. of Module: 3:3Module
1500	Uc: 500: DC500V; 1000: DC1000V; 1500: DC1500V
S	With Remote Signaling

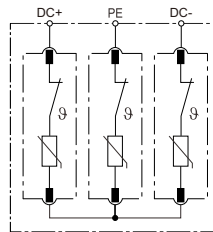
SPD Type Reference List

No. of Module	Max. Continuous Operating DC Voltage		
	500VDC	1000VDC	1500VDC
3Module	EKU5-T1+T2-40PV-3M500	EKU5-T1+T2-40PV-3M1000	EKU5-T1+T2-40PV-3M1500
With Remote Signaling			
3Module	EKU5-T1+T2-40PV-3M500S	EKU5-T1+T2-40PV-3M1000S	EKU5-T1+T2-40PV-3M1500S

Technical Data

No. of poles	3P			
Location of Use	String box, Inverter			
Mode of protection	(DC+)-PE,(DC-)-PE,(DC+)-(DC-)			
Protective elements	High Energy MOV			
Maximum continuous operating DC voltage	Ucpv	500V	1000V	1500V
Norminal discharge current (8/20μs)	In	20kA		
Impulse discharge current (10/350μs)	Iimp	6.25kA		
Total discharge current (10/350μs)	ITotal	12.5kA		
Total discharge current (8/20μs)	ITotal	40kA		
Maximum discharge current (8/20μs)	I _{max}	40kA		
Voltage protection level (DC+)-PE,(DC-)-PE	Up	2kV	4.0kV	5.2kV
Voltage protection level (DC+)-(DC-)	Up	-	4.0kV	5.2kV
Response time	tA	≤25ns		
Operating temperature range	Tu	-40°C to +80°C		
Operating state/fault indication	Green/Red			
Cross-section area (Min.)/(Max.)	4mm ² /35mm ²			
Mounting	35 mm DIN Rail, EN 60715			
Enclosure material	Thermal Plastic UL94-V0			
Degree of protection	IP20 (built-in)			

Basic Circuit Diagram



Overall and Installation Dimension(mm)

