

EKU5-T2-40PV SPD TYPE T2

ET3K®

Standard IEC/EN61643-31



Product Selection Guide

EK	U5	-	T2	-	40	PV	-	2M	-	600	S
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EK	ETEK
U5	SPD series No.5
T2	Class II / Type 2
40	I.max: 40kA
PV	Solar PV System
2M	No. of Module: 2:2Module; 3:3Module
600	Uc: 600: DC600V; 800: DC800V; 1000: DC1000V; 1500: DC1500V
S	With Remote Signaling

SPD Type Reference List

No. of Module	Max. Continuous Operating DC Voltage			
	600VDC	800VDC	1000VDC	1500VDC
2Module	EKU5-T2-40PV-2M600	EKU5-T2-40PV-2M800	EKU5-T2-40PV-2M1000	-
3Module	-	-	EKU5-T2-40PV-3M1000	EKU5-T2-40PV-3M1500
With Remote Signaling				
2Module	EKU5-T2-40PV-2M600S	EKU5-T2-40PV-2M800S	EKU5-T2-40PV-2M1000S	-
3Module	-	-	EKU5-T2-40PV-3M1000S	EKU5-T2-40PV-3M1500S

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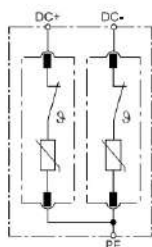
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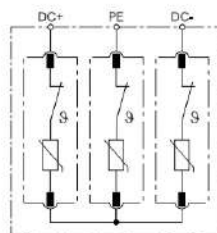
Technical Data

No. of poles		2P(2Mods),3P(3Mods)			
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	600V	800V	1000V	1500V
Norminal discharge current (8/20μs)	In	20kA			
Total discharge current (8/20μs)	ITotal	40kA			
Maximum discharge current (8/20μs)	I _{max}	40kA			
Voltage protection level (2P)	Up	2.6kV	3.5kV	4.0kV	-
Voltage protection level (3P)	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.)		4mm²/35mm²			
Mounting		35 mm DIN Rail, EN 60715			
Enclosure material		Thermal Plastic UL94-V0			
Degree of protection		IP20 (built-in)			

Basic Circuit Diagram



2P



3P

Overall and Installation Dimension(mm)

