

Usage Manual



Surge Protection

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Thank you for choosing EKV6 Series Surge Protection.
Please read this manual before installation, operation and maintenance.

STANDARD AND QUALITY CERTIFICATES

IEC61643-11



Product Selection Guide

EK	U6	-T2	-40S	1	-1PN	-275	S	
								With Remote Signaling
								Uc: 275V
								No. of Poles: 1PN:1+NPE, 2P: 2P
								design 1: (Orange) design 2: (Grey)
								I _{max} : 40kA, Small size
								Classification T2
								SPD serie No.6
								Company Code

Technical Data

SPD classification according to IEC/EN61643-11		T2	T2
Model		EKU6-T2-40S1 (Orange)	EKU6-T2-40S2 (Grey)
Max. continuous operating a.c.voltage	Uic(L-N)	275V	275V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V
Normal discharge current [8/20µs]	In	20kA	25kA
Maximum discharge current [8/20µs]	I _{max}	40kA	45kA
Voltage protection level	Up(L-N)	≤1.5kV	≤1.5kV
Voltage protection level 5kA	Up	≤1.0kV	≤1.0kV
Voltage protection level	Up(N-PE)	≤1.5kV	≤1.5kV
Max. backup fuse		125A gL	125A gL
Response time	tA(L-N)	≤25ns	≤25ns
Response time	tA(N-PE)	≤100ns	≤100ns
Operating temperature range	Tu	-40°C~80°C	-40°C~80°C
Operating State/Fault Indication		Green/Red	Green/Red
Cross-section area [Min.]		4mm ²	4mm ²
Cross-section area (Max.)		1+NPE: L, N:10mm ² , PE:16mm ²	1+NPE: L, N:10mm ² , PE:16mm ²
For mounting on		35mm Din rail	35mm Din rail
Enclosure material		Thermal Plastic UL94-V0	Thermal Plastic UL94-V0
Degree of Protection		IP20	IP20
No. of Poles		1+NPE, 2P	1+NPE, 2P

SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage 275V
1+NPE	EKU6-T2-40S1-1PN275
2P	EKU6-T2-40S1-2P275
With Remote Signalling	
1+NPE	EKU6-T2-40S1-1PN275S
2P	EKU6-T2-40S1-2P275S

No. of Poles	Max. Continuous Operating AC Voltage 275V
1+NPE	EKU6-T2-40S2-1PN275
2P	EKU6-T2-40S2-2P275
With Remote Signalling	
1+NPE	EKU6-T2-40S2-1PN275S
2P	EKU6-T2-40S2-2P275S

EKU6-T2-40S1/2 T2 Type SPD

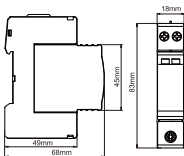


EKU6-T2-40S1

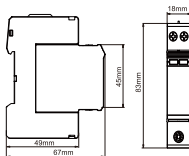


EKU6-T2-40S2

Overall and Installation Dimension(mm)



EKU6-T2-40S1



EKU6-T2-40S2

Schematic Diagram

