



Product Selection Guide

EK **U4** - **T2** - **20** - **1P** - **275** **S**

EK	ETEK
U4	SPD series No.4
T2	Class II / Type 2
20	I.max: 20kA
1P	No. of Poles: 1:1P; 2:2P; 3:3P; 4:4P; 1PN:1P+NPE; 3PN:3P+NPE
275	Uc: 275:275V; 320:320V; 385:385V; 440:440V
S	With Remote Signaling

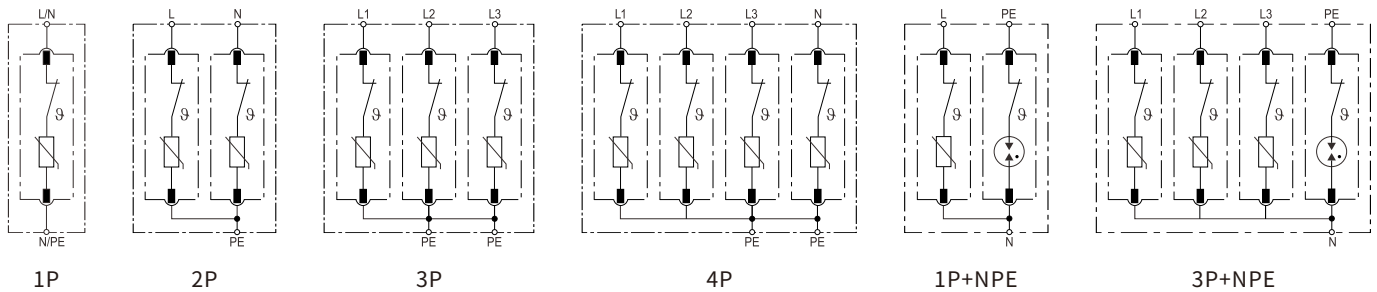
SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage			
	275V	320V	385V	440V
1P	EKU4-T2-20-1P275	EKU4-T2-20-1P320	EKU4-T2-20-1P385	EKU4-T2-20-1P440
2P	EKU4-T2-20-2P275	EKU4-T2-20-2P320	EKU4-T2-20-2P385	EKU4-T2-20-2P440
3P	EKU4-T2-20-3P275	EKU4-T2-20-3P320	EKU4-T2-20-3P385	EKU4-T2-20-3P440
4P	EKU4-T2-20-4P275	EKU4-T2-20-4P320	EKU4-T2-20-4P385	EKU4-T2-20-4P440
1P+NPE	EKU4-T2-20-1PN275	EKU4-T2-20-1PN320	EKU4-T2-20-1PN385	EKU4-T2-20-1PN440
3P+NPE	EKU4-T2-20-3PN275	EKU4-T2-20-3PN320	EKU4-T2-20-3PN385	EKU4-T2-20-3PN440
With Remote Signaling				
1P	EKU4-T2-20-1P275S	EKU4-T2-20-1P320S	EKU4-T2-20-1P385S	EKU4-T2-20-1P440S
2P	EKU4-T2-20-2P275S	EKU4-T2-20-2P320S	EKU4-T2-20-2P385S	EKU4-T2-20-2P440S
3P	EKU4-T2-20-3P275S	EKU4-T2-20-3P320S	EKU4-T2-20-3P385S	EKU4-T2-20-3P440S
4P	EKU4-T2-20-4P275S	EKU4-T2-20-4P320S	EKU4-T2-20-4P385S	EKU4-T2-20-4P440S
1P+NPE	EKU4-T2-20-1PN275S	EKU4-T2-20-1PN320S	EKU4-T2-20-1PN385S	EKU4-T2-20-1PN440S
3P+NPE	EKU4-T2-20-3PN275S	EKU4-T2-20-3PN320S	EKU4-T2-20-3PN385S	EKU4-T2-20-3PN440S

Technical Data

No. of poles	1P	2P	3P	4P	1P+NPE	3P+NPE
Network systems	TN-S, TN-C, TT(only L-N)	TN-S	TN-C	TN-S	TT, TN-S	
Mode of protection	L-PE, N-PE(only TN-S), L-PEN, L-N	L-PE, N-PE	L-PEN	L-PE, N-PE	L-N, N-PE	
Protective elements	High Energy MOV				High Energy MOV and GDT	
Maximum continuous operating voltage (L-N)	Uc	275V	320V	385V	440V	
Maximum continuous operating voltage (N-PE)	Uc	255V				
Norminal discharge current (8/20 μ s) (L-N)/(N-PE)	In	10kA				
Maximum discharge current (8/20 μ s) (L-N)/(N-PE)	I _{max}	20kA				
Voltage protection level (L-N)/(N-PE)	Up	1.0kV/1.5kV	1.2kV/1.5kV	1.45kV/1.5kV	1.6kV/1.5kV	
Voltage protection level 5kA	Up	0.8kV	1.0kV	1.2kV	1.4kV	
Response time (L-N)/(N-PE)	t _A	$\leq 25\text{ns}/\leq 100\text{ns}$				
Operating temperature range	T _u	-40°C to +80°C				
Max. Back-up fuse		125 A gL/gG				
Operating state/fault indication		Green/Red(L-N), Yellow(N-PE)				
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)

