



## Product Selection Guide

EK U5 - T1+T2 - 12 - 1P - 275 S

EK	ETEK
U5	SPD series No.5
T1+T2	Class I + II / Type 1+2
12	limp: 12.5kA
1P	No. of Poles: 1:1P; 2:2P; 3:3P; 4:4P; 1PN:1P+NPE; 3PN:3P+NPE
275	Uc: 150:150V; 275:275V; 320:320V; 385:385V
S	With Remote Signaling

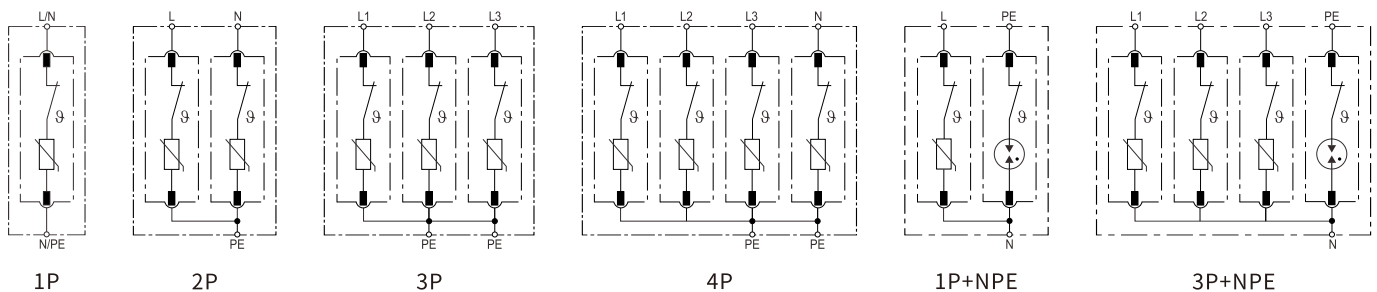
## SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage			
	150V	275V	320V	385V
1P	EKU5-T1+T2-12-1P150	EKU5-T1+T2-12-1P275	EKU5-T1+T2-12-1P320	EKU5-T1+T2-12-1P385
2P	EKU5-T1+T2-12-2P150	EKU5-T1+T2-12-2P275	EKU5-T1+T2-12-2P320	EKU5-T1+T2-12-2P385
3P	EKU5-T1+T2-12-3P150	EKU5-T1+T2-12-3P275	EKU5-T1+T2-12-3P320	EKU5-T1+T2-12-3P385
4P	EKU5-T1+T2-12-4P150	EKU5-T1+T2-12-4P275	EKU5-T1+T2-12-4P320	EKU5-T1+T2-12-4P385
1P+NPE	EKU5-T1+T2-12-1PN150	EKU5-T1+T2-12-1PN275	EKU5-T1+T2-12-1PN320	EKU5-T1+T2-12-1PN385
3P+NPE	EKU5-T1+T2-12-3PN150	EKU5-T1+T2-12-3PN275	EKU5-T1+T2-12-3PN320	EKU5-T1+T2-12-3PN385
With Remote Signaling				
1P	EKU5-T1+T2-12-1P150S	EKU5-T1+T2-12-1P275S	EKU5-T1+T2-12-1P320S	EKU5-T1+T2-12-1P385S
2P	EKU5-T1+T2-12-2P150S	EKU5-T1+T2-12-2P275S	EKU5-T1+T2-12-2P320S	EKU5-T1+T2-12-2P385S
3P	EKU5-T1+T2-12-3P150S	EKU5-T1+T2-12-3P275S	EKU5-T1+T2-12-3P320S	EKU5-T1+T2-12-3P385S
4P	EKU5-T1+T2-12-4P150S	EKU5-T1+T2-12-4P275S	EKU5-T1+T2-12-4P320S	EKU5-T1+T2-12-4P385S
1P+NPE	EKU5-T1+T2-12-1PN150S	EKU5-T1+T2-12-1PN275S	EKU5-T1+T2-12-1PN320S	EKU5-T1+T2-12-1PN385S
3P+NPE	EKU5-T1+T2-12-3PN150S	EKU5-T1+T2-12-3PN275S	EKU5-T1+T2-12-3PN320S	EKU5-T1+T2-12-3PN385S

## 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	150V	275V	320V	385V	
Maximum continuous operating voltage (N-PE)	Uc			255V		
Impulse discharge current (10/350μs)	Iimp			12.5kA		
Norminal discharge current (8/20μs)	In			30kA		
Maximum discharge current (8/20μs)	I <sub>max</sub>			60kA		
Voltage protection level (L-N)/(N-PE)	Up	1.2kV/1.5kV	1.5kV/1.5kV	1.6kV/1.5kV	1.8kV/1.5kV	
Voltage protection level 5kA	Up	0.6kV	1.0kV	1.2kV	1.3kV	
Response time (L-N)/(N-PE)	tA			≤25ns/≤100ns		
Operating temperature range	Tu			-40°C to +80°C		
Max. Back-up fuse				160 A gL/gG		
Operating state/fault indication				Green/Red(L-N),Yellow(N-PE)		
Cross-section area (Min.)/(Max.)				4mm <sup>2</sup> /35mm <sup>2</sup>		
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)

