



## Product Selection Guide

EK	U5	-	T2	-	20	-	1P	-	275	S
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EK	ETEK
U5	SPD series No.5
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: 150:150V; 275:275V; 320:320V; 385:385V; 440:440V
S	With Remote Signaling

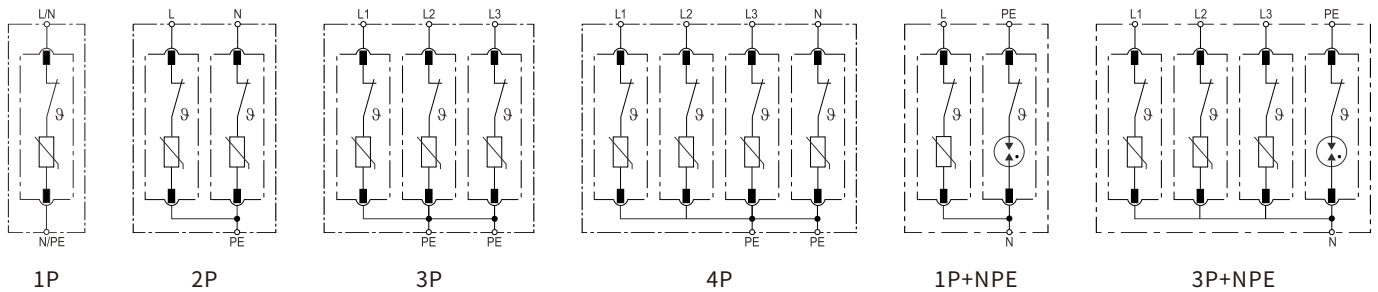
## SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage				
	150V	275V	320V	385V	440V
1P	EKU5-T2-20-1P150	EKU5-T2-20-1P275	EKU5-T2-20-1P320	EKU5-T2-20-1P385	EKU5-T2-20-1P440
2P	EKU5-T2-20-2P150	EKU5-T2-20-2P275	EKU5-T2-20-2P320	EKU5-T2-20-2P385	EKU5-T2-20-2P440
3P	EKU5-T2-20-3P150	EKU5-T2-20-3P275	EKU5-T2-20-3P320	EKU5-T2-20-3P385	EKU5-T2-20-3P440
4P	EKU5-T2-20-4P150	EKU5-T2-20-4P275	EKU5-T2-20-4P320	EKU5-T2-20-4P385	EKU5-T2-20-4P440
1P+NPE	EKU5-T2-20-1PN150	EKU5-T2-20-1PN275	EKU5-T2-20-1PN320	EKU5-T2-20-1PN385	EKU5-T2-20-1PN440
3P+NPE	EKU5-T2-20-3PN150	EKU5-T2-20-3PN275	EKU5-T2-20-3PN320	EKU5-T2-20-3PN385	EKU5-T2-20-3PN440
With Remote Signaling					
1P	EKU5-T2-20-1P150S	EKU5-T2-20-1P275S	EKU5-T2-20-1P320S	EKU5-T2-20-1P385S	EKU5-T2-20-1P440S
2P	EKU5-T2-20-2P150S	EKU5-T2-20-2P275S	EKU5-T2-20-2P320S	EKU5-T2-20-2P385S	EKU5-T2-20-2P440S
3P	EKU5-T2-20-3P150S	EKU5-T2-20-3P275S	EKU5-T2-20-3P320S	EKU5-T2-20-3P385S	EKU5-T2-20-3P440S
4P	EKU5-T2-20-4P150S	EKU5-T2-20-4P275S	EKU5-T2-20-4P320S	EKU5-T2-20-4P385S	EKU5-T2-20-4P440S
1P+NPE	EKU5-T2-20-1PN150S	EKU5-T2-20-1PN275S	EKU5-T2-20-1PN320S	EKU5-T2-20-1PN385S	EKU5-T2-20-1PN440S
3P+NPE	EKU5-T2-20-3PN150S	EKU5-T2-20-3PN275S	EKU5-T2-20-3PN320S	EKU5-T2-20-3PN385S	EKU5-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	150V	275V	320V	385V	440V
Maximum continuous operating voltage (N-PE)	Uc			255V		
Norminal discharge current (8/20 $\mu$ s) (L-N)/(N-PE)	In			10kA		
Maximum discharge current (8/20 $\mu$ s) (L-N)/(N-PE)	I <sub>max</sub>			20kA		
Voltage protection level (L-N)/(N-PE)	Up	0.8kV/1.5kV	1.0kV/1.5kV	1.2kV/1.5kV	1.45kV/1.5kV	1.6kV/1.5kV
Voltage protection level 5kA	Up	0.5kV	0.8kV	1.0kV	1.2kV	1.4kV
Response time (L-N)/(N-PE)	t <sub>A</sub>	$\leq 25\text{ns}/\leq 100\text{ns}$				
Operating temperature range	T <sub>u</sub>	-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 <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)

