



Surge Protective Device Selection Guide

» *Always for your safety*



**ZHEJIANG ETEK
ELECTRICAL TECHNOLOGY CO.,LTD.**

Always for your safety



COMPANY INTRODUCTION

Zhejiang ETEK Electric Technology Co., Ltd. (Abbreviation: ETEK Electric) is a professional manufacturing company dedicated to the research, development, production and sales of low-voltage electrical appliances. The company was established in 2011 and is located in Wenzhou City, Zhejiang Province. At present, the company has a modern factory building of more than 12,000 mm². ETEK Electric focuses on the low-voltage electrical fieldwide and has advanced production management systems and production processes. Its products cover electrical safety products for household, commercial, industrial and similar facilities, such as Miniature Circuit Breakers (MCB), Residual Current Devices (RCD), Isolating Switches, Molded Case Circuit Breakers (MCCB), Distribution Board, AC Contactors, Surge Protectors (SPD), IoT Smart Circuit Breakers and Electric Vehicle Charging Facilities (EV Charger), etc.

Relying on hard work and innovation, ETEK Electric's products quickly stand out in the fiercely competitive electrical market. With its own brand 'ETEK', it has successfully entered the international market and signed overseas brand agency contracts with customers from many countries and regions. Its products are exported to the Europe, Middle East, Africa, South Asia and other more than 60 countries and regions.

ETEK Electric always insists on providing customers with safe and reliable electrical products. Won approvals of CE, CB, TUV, UKCA, SEMKO, VDE, SAA and ISO9001 Quality System Certificate and RoHS Environmental Management System Certificate.

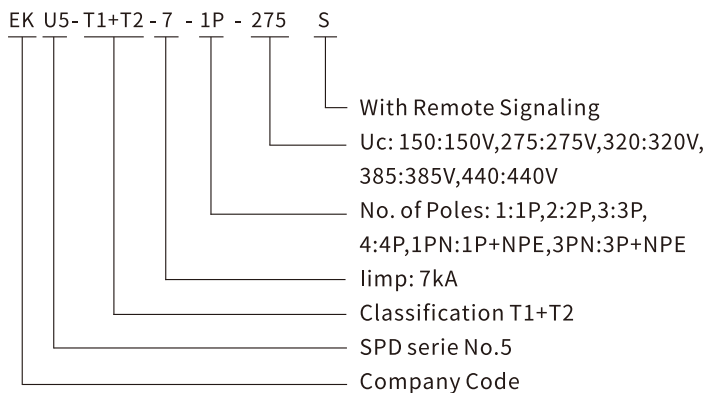
ETEK Electric is committed to solving the pressure and challenges of customers and creating value for customers. ETEK Electric has rich industry experience and a dynamic, professional and efficient team, we can provide customers with the best OEM, ODM services.

Growth, Efficiency, Innovation and Quality are ETEK's business goals. We are firmly committed to the field of low voltage electrical products which is your trusted partner.

We hope our products can guarantee the power safety of global users and promote the development of green energy.



Product Selection Guide



EKU5-T1+T2-7
2P



EKU5-T1+T2-7
1P+NPE



EKU5-T1+T2-7
3P

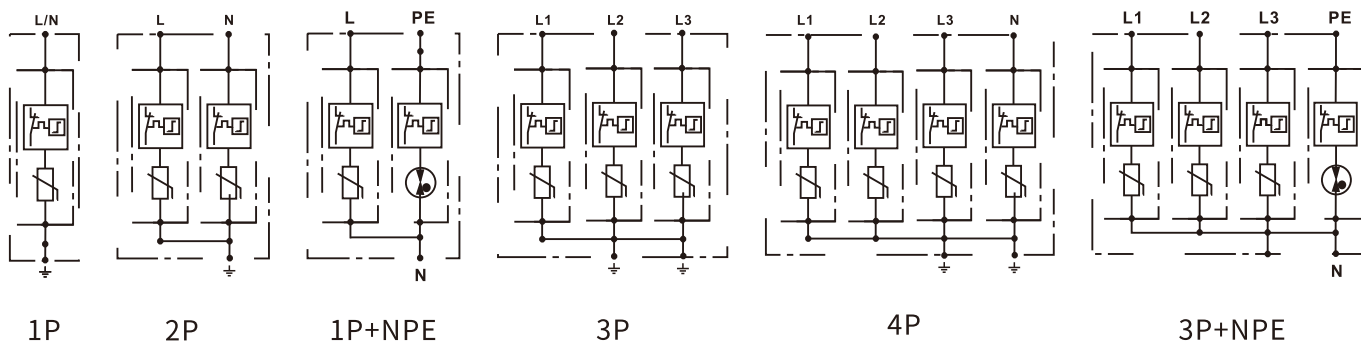


EKU5-T1+T2-7
4P



EKU5-T1+T2-7
3P+NPE

Basic circuit diagram



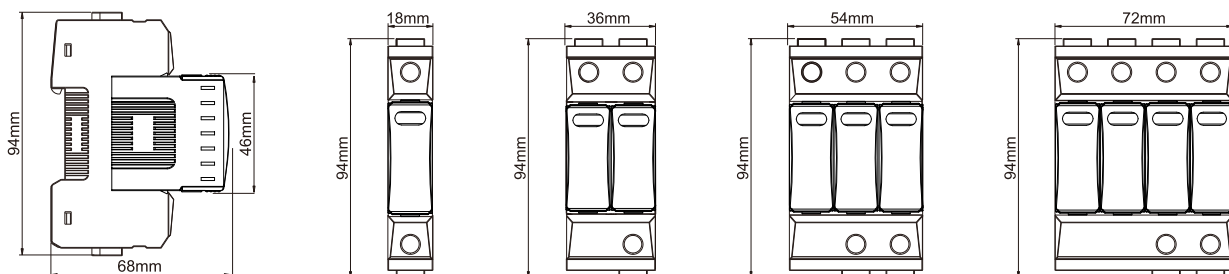
SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage				
	150V	275V	320V	385V	440V
1P	EKU5-T1+T2-7-1P150	EKU5-T1+T2-7-1P275	EKU5-T1+T2-7-1P320	EKU5-T1+T2-7-1P385	EKU5-T1+T2-7-1P440
2P	EKU5-T1+T2-7-2P150	EKU5-T1+T2-7-2P275	EKU5-T1+T2-7-2P320	EKU5-T1+T2-7-2P385	EKU5-T1+T2-7-2P440
3P	EKU5-T1+T2-7-3P150	EKU5-T1+T2-7-3P275	EKU5-T1+T2-7-3P320	EKU5-T1+T2-7-3P385	EKU5-T1+T2-7-3P440
4P	EKU5-T1+T2-7-4P150	EKU5-T1+T2-7-4P275	EKU5-T1+T2-7-4P320	EKU5-T1+T2-7-4P385	EKU5-T1+T2-7-4P440
1P+NPE	EKU5-T1+T2-7-1PN150	EKU5-T1+T2-7-1PN275	EKU5-T1+T2-7-1PN320	EKU5-T1+T2-7-1PN385	EKU5-T1+T2-7-1PN440
3P+NPE	EKU5-T1+T2-7-3PN150	EKU5-T1+T2-7-3PN275	EKU5-T1+T2-7-3PN320	EKU5-T1+T2-7-3PN385	EKU5-T1+T2-7-3PN440
With Remote Signaling					
1P	EKU5-T1+T2-7-1P150S	EKU5-T1+T2-7-1P275S	EKU5-T1+T2-7-1P320S	EKU5-T1+T2-7-1P385S	EKU5-T1+T2-7-1P440S
2P	EKU5-T1+T2-7-2P150S	EKU5-T1+T2-7-2P275S	EKU5-T1+T2-7-2P320S	EKU5-T1+T2-7-2P385S	EKU5-T1+T2-7-2P440S
3P	EKU5-T1+T2-7-3P150S	EKU5-T1+T2-7-3P275S	EKU5-T1+T2-7-3P320S	EKU5-T1+T2-7-3P385S	EKU5-T1+T2-7-3P440S
4P	EKU5-T1+T2-7-4P150S	EKU5-T1+T2-7-4P275S	EKU5-T1+T2-7-4P320S	EKU5-T1+T2-7-4P385S	EKU5-T1+T2-7-4P440S
1P+NPE	EKU5-T1+T2-7-1PN150S	EKU5-T1+T2-7-1PN275S	EKU5-T1+T2-7-1PN320S	EKU5-T1+T2-7-1PN385S	EKU5-T1+T2-7-1PN440S
3P+NPE	EKU5-T1+T2-7-3PN150S	EKU5-T1+T2-7-3PN275S	EKU5-T1+T2-7-3PN320S	EKU5-T1+T2-7-3PN385S	EKU5-T1+T2-7-3PN440S

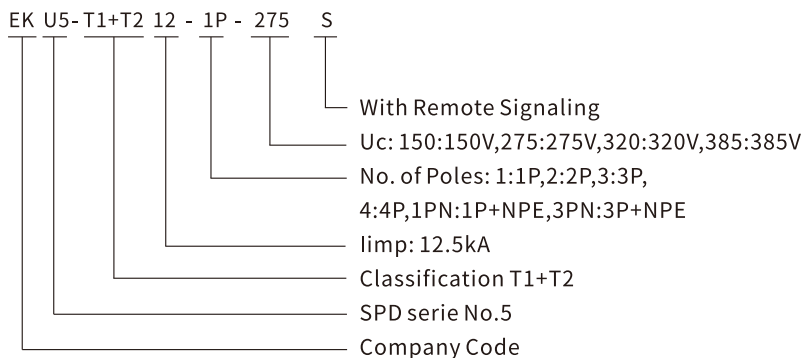
Technical Data

SPD classification according to IEC/EN61643-11		T1+T2	T1+T2	T1+T2	T1+T2	T1+T2
Max. continuous operating a.c.voltage	Uc	150V	275V	320V	385V	440V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V	255V	255V	255V
Lightning impulse current (10/350μs)	Iimp	7kA	7kA	7kA	7kA	7kA
Norminal discharge current (8/20μs)	In	25kA	25kA	25kA	25kA	25kA
Maximum discharge current (8/20μs)	I _{max}	50kA	50kA	50kA	50kA	50kA
Voltage protection level	Up	≤1.2kV	≤1.4kV	≤1.6kV	≤1.8kV	≤2.0kV
Voltage protection level 5kA	Up	≤1.0kV	≤1.2kV	≤1.4kV	≤1.5kV	≤1.6kV
Voltage protection level	Up(N-PE)	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV
Max. backup fuse		160A gL				
Response time	tA	≤25ns				
Response time	tA(N-PE)	≤100ns				
Operating temperature range	Tu	-40°C~80°C				
Operating State/Fault Indication		Green/Red				
Cross-section area (Min.)		4mm ²				
Cross-section area (Max.)		35mm ²				
For mounting on		35mm Din rail				
Enclosure material		Thermal Plastic UL94-V0				
Degree of Protection		IP20				
No. of Poles		1P, 2P, 3P, 4P, 1P+NPE, 3P+NPE				

Overall and Installation Dimension(mm)



Product Selection Guide



EKU5-T1+T2-12
2P



EKU5-T1+T2-12
1P+NPE



EKU5-T1+T2-12
3P

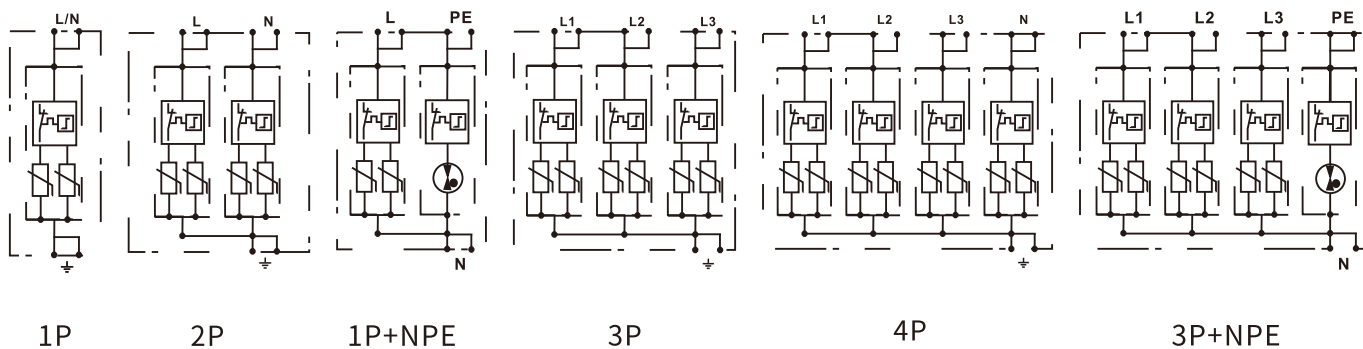


EKU5-T1+T2-12
4P



EKU5-T1+T2-12
3P+NPE

Basic circuit diagram



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

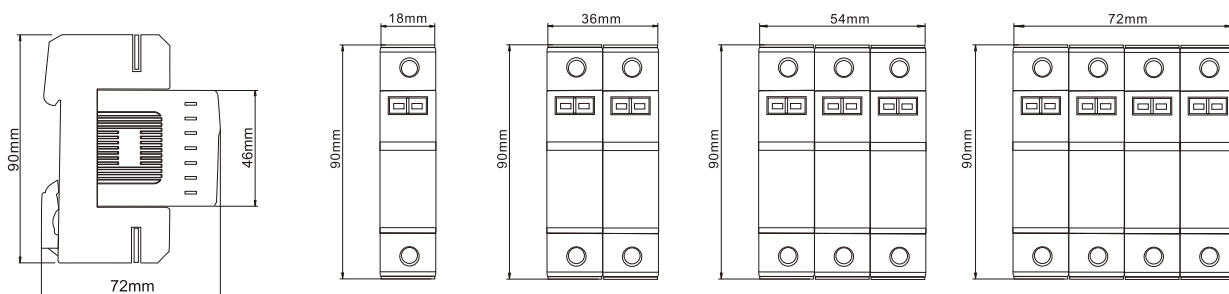
With Remote Signaling

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

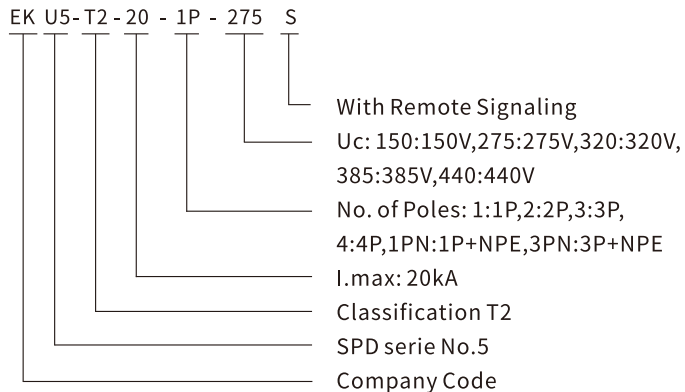
Technical Data

SPD classification according to IEC/EN61643-11		T1+T2	T1+T2	T1+T2	T1+T2
Max. continuous operating a.c.voltage	Uc	150V	275V	320V	385V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V	255V	255V
Lightning impulse current (10/350μs)	Iimp	12.5kA	12.5kA	12.5kA	12.5kA
Norminal discharge current (8/20μs)	In	30kA	30kA	30kA	30kA
Maximum discharge current (8/20μs)	I _{max}	60kA	60kA	60kA	60kA
Voltage protection level	Up	≤1.2kV	≤1.5kV	≤1.6kV	≤1.8kV
Voltage protection level 5kA	Up	≤0.6kV	≤1.0kV	≤1.2kV	≤1.3kV
Voltage protection level	Up(N-PE)	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV
Max. backup fuse		160A gL			
Response time	tA	≤25ns			
Response time	tA(N-PE)	≤100ns			
Operating temperature range	Tu	-40°C~80°C			
Operating State/Fault Indication		Green/Red			
Cross-section area (Min.)		4mm ²			
Cross-section area (Max.)		35mm ²			
For mounting on		35mm Din rail			
Enclosure material		Thermal Plastic UL94-V0			
Degree of Protection		IP20			
No. of Poles		1P, 2P, 3P, 4P, 1P+NPE, 3P+NPE			

Overall and Installation Dimension(mm)



Product Selection Guide



EKU5-T2-20
2P



EKU5-T2-20
1P+NPE



EKU5-T2-20
3P



EKU5-T2-20
4P

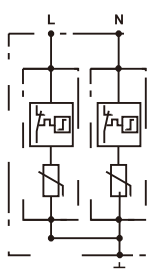


EKU5-T2-20
3P+NPE

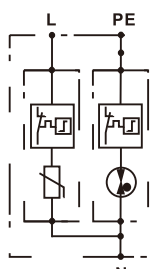
Basic circuit diagram



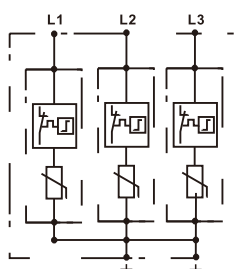
1P



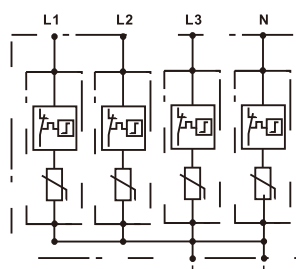
2P



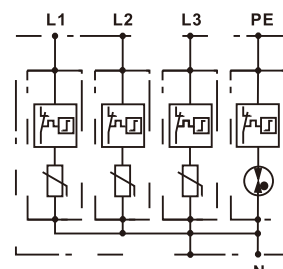
1P+NPE



3P



4P



3P+NPE

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

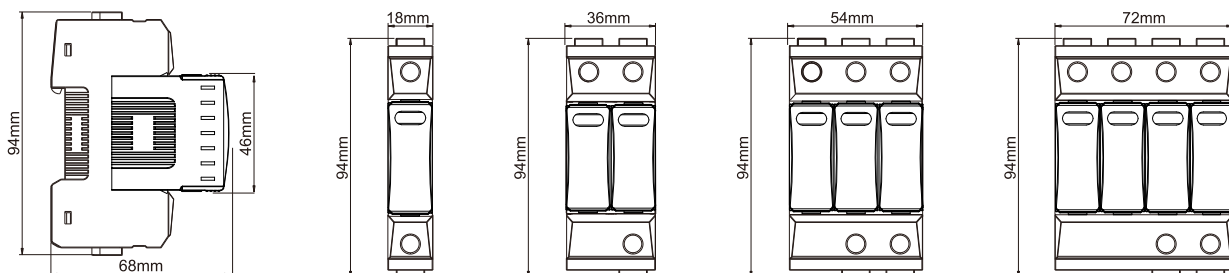
With Remote Signaling

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

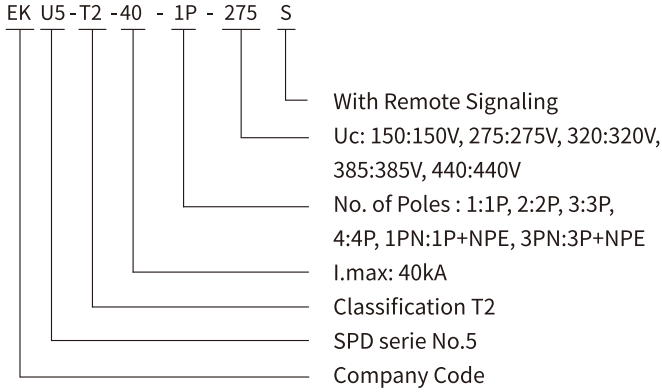
Technical Data

SPD classification according to IEC/EN61643-11		T2	T2	T2	T2	T2
Max. continuous operating a.c.voltage	Uc	150V	275V	320V	385V	440V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V	255V	255V	255V
Norminal discharge current (8/20μs)	In	10kA	10kA	10kA	10kA	10kA
Maximum discharge current (8/20μs)	I _{max}	20kA	20kA	20kA	20kA	20kA
Voltage protection level	Up	≤0.8kV	≤1.0kV	≤1.2kV	≤1.45kV	≤1.6kV
Voltage protection level 5kA	Up	≤0.5kV	≤0.8kV	≤1.0kV	≤1.2kV	≤1.4kV
Voltage protection level	Up(N-PE)	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV
Max. backup fuse		125A gL				
Response time	tA	≤25ns				
Response time	tA(N-PE)	≤100ns				
Operating temperature range	Tu	-40°C~80°C				
Operating State/Fault Indication		Green/Red				
Cross-section area (Min.)		4mm ²				
Cross-section area (Max.)		35mm ²				
For mounting on		35mm Din rail				
Enclosure material		Thermal Plastic UL94-V0				
Degree of Protection		IP20				
No. of Poles		1P,2P,3P,4P,1P+NPE,3P+NPE				

Overall and Installation Dimension(mm)



Product Selection Guide



EKU5-T2-40
2P



EKU5-T2-40
1P+NPE



EKU5-T2-40
3P



EKU5-T2-40
4P

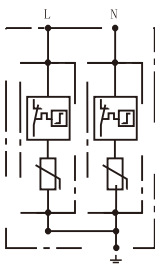


EKU5-T2-40
3P+NPE

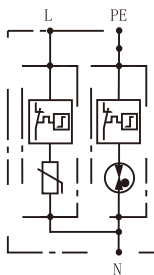
Basic Circuit Diagram



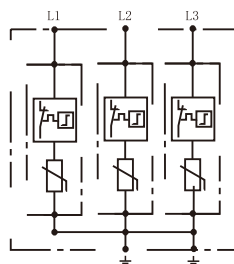
1P



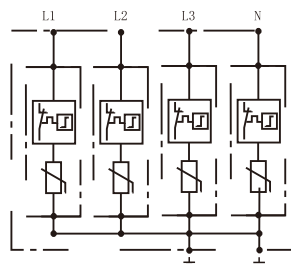
2P



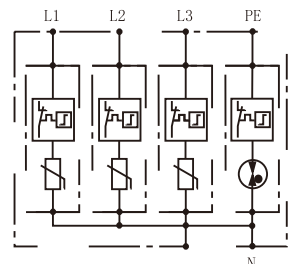
1P+NPE



3P



4P



3P+NPE

SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage				
	150V	275V	320V	385V	440V
1P	EKU5-T2-40-1P150	EKU5-T2-40-1P275	EKU5-T2-40-1P320	EKU5-T2-40-1P385	EKU5-T2-40-1P440
2P	EKU5-T2-40-2P150	EKU5-T2-40-2P275	EKU5-T2-40-2P320	EKU5-T2-40-2P385	EKU5-T2-40-2P440
3P	EKU5-T2-40-3P150	EKU5-T2-40-3P275	EKU5-T2-40-3P320	EKU5-T2-40-3P385	EKU5-T2-40-3P440
4P	EKU5-T2-40-4P150	EKU5-T2-40-4P275	EKU5-T2-40-4P320	EKU5-T2-40-4P385	EKU5-T2-40-4P440
1P+NPE	EKU5-T2-40-1PN150	EKU5-T2-40-1PN275	EKU5-T2-40-1PN320	EKU5-T2-40-1PN385	EKU5-T2-40-1PN440
3P+NPE	EKU5-T2-40-3PN150	EKU5-T2-40-3PN275	EKU5-T2-40-3PN320	EKU5-T2-40-3PN385	EKU5-T2-40-3PN440

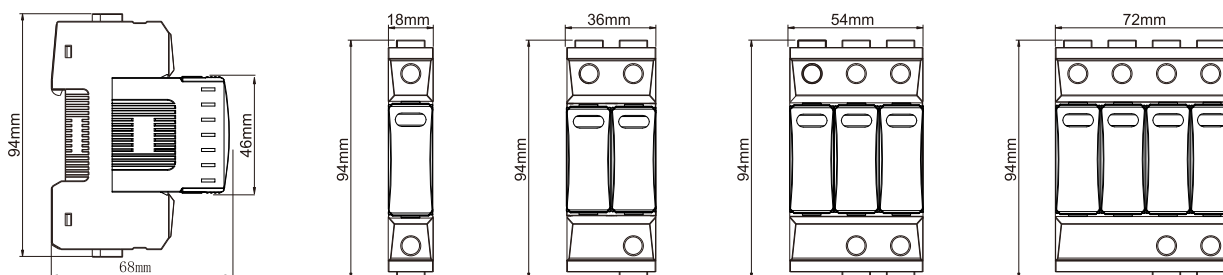
With Remote Signaling

1P	EKU5-T2-40-1P150S	EKU5-T2-40-1P275S	EKU5-T2-40-1P320S	EKU5-T2-40-1P385S	EKU5-T2-40-1P440S
2P	EKU5-T2-40-2P150S	EKU5-T2-40-2P275S	EKU5-T2-40-2P320S	EKU5-T2-40-2P385S	EKU5-T2-40-2P440S
3P	EKU5-T2-40-3P150S	EKU5-T2-40-3P275S	EKU5-T2-40-3P320S	EKU5-T2-40-3P385S	EKU5-T2-40-3P440S
4P	EKU5-T2-40-4P150S	EKU5-T2-40-4P275S	EKU5-T2-40-4P320S	EKU5-T2-40-4P385S	EKU5-T2-40-4P440S
1P+NPE	EKU5-T2-40-1PN150S	EKU5-T2-40-1PN275S	EKU5-T2-40-1PN320S	EKU5-T2-40-1PN385S	EKU5-T2-40-1PN440S
3P+NPE	EKU5-T2-40-3PN150S	EKU5-T2-40-3PN275S	EKU5-T2-40-3PN320S	EKU5-T2-40-3PN385S	EKU5-T2-40-3PN440S

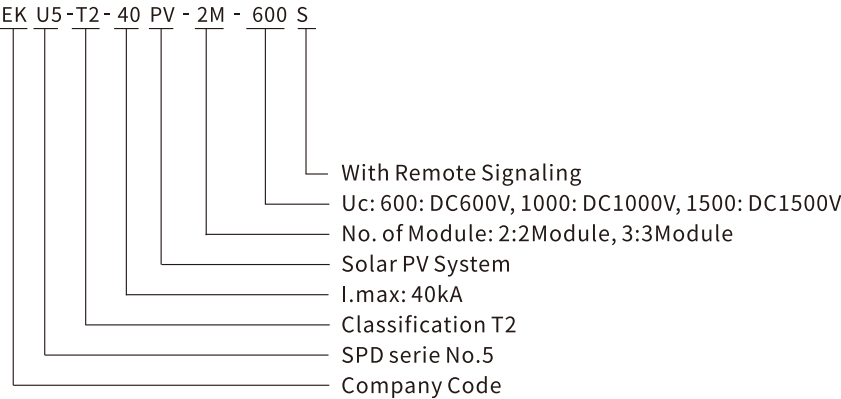
Technical Data

SPD classification according to IEC/EN61643-11		T2	T2	T2	T2	T2
Max. continuous operating a.c.voltage	Uc	150V	275V	320V	385V	440V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V	255V	255V	255V
Norminal discharge current (8/20μs)	In	20kA	20kA	20kA	20kA	20kA
Maximum discharge current (8/20μs)	I _{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level	Up	≤0.8kV	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV
Voltage protection level5 kA	Up	≤0.6kV	≤1.0kV	≤1.2kV	≤1.4kV	≤1.6kV
Voltage protection level	Up(N-PE)	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV
Max. backup fuse		125A gL				
Response time	tA	≤25ns				
Response time	tA(N-PE)	≤100ns				
Operating temperature range	Tu	-40°C~80°C				
Operating State/Fault Indication		Green/Red				
Cross-section area (Min.)		4mm ²				
Cross-section area (Max.)		35mm ²				
For mounting on		35mm Din rail				
Enclosure material		Thermal Plastic UL 94-V0				
Degree of Protection		IP20				
No. of Poles		1P,2P,3P,4P,1P+NPE,3P+NPE				

Overall and Installation Dimension(mm)



Product Selection Guide



EKU5-T2-40PV
2P(600VDC)



EKU5-T2-40PV
2P(1000VDC)

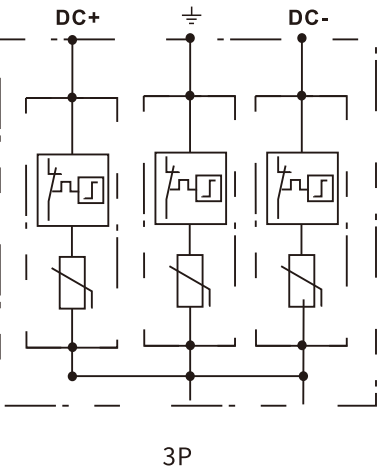
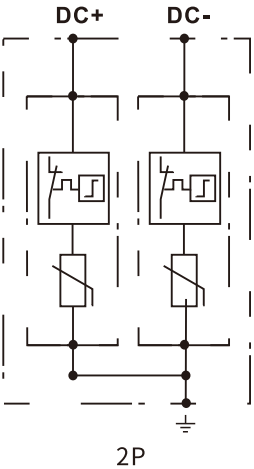


EKU5-T2-40PV
3P(1000VDC)



EKU5-T2-40PV
3P(1500VDC)

Basic circuit diagram



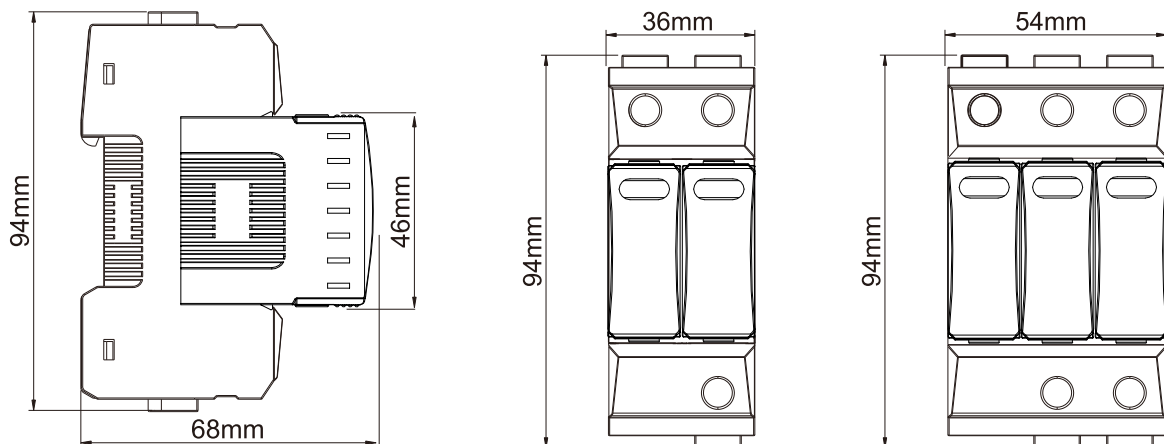
SPD Type Reference List

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

Technical Data

SPD classification according to IEC/EN61643-31			T2	T2	T2
Max. continuous operating a.c.voltage	Uc _{pv}		600VDC	1000VDC	1500VDC
Normal discharge current (8/20μs)	I _n		20kA	20kA	20kA
Maximum discharge current (8/20μs)	I _{max}		40kA	40kA	40kA
Voltage protection level DC+/DV-to PE	U _p	2Mods	≤2.6kV	≤4.0kV	-
		3Mods	-	≤4.0kV	≤5.2kV
Response time	t _A		≤25ns	≤25ns	≤25ns
Operating temperature range	T _u		-40°C~80°C		
Operating State/Fault Indication			Green/Red		
Cross-section area (Min.)			4mm ²		
Cross-section area (Max.)			35mm ²		
For mounting on			35mm Din rail		
Enclosure material			Thermal Plastic UL94-V0		
Degree of Protection			IP20		
No. of Modules			2P(2Mods),3P(3Mods)		

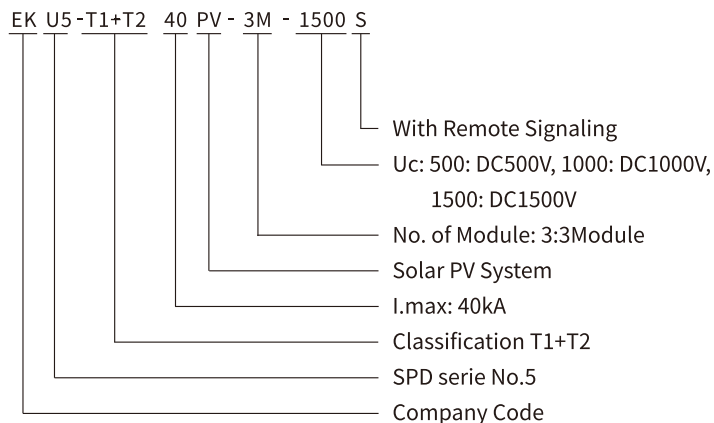
Overall and Installation Dimension(mm)





EKU5-T1+T2-40PV
3P(1500VDC)

Product Selection Guide



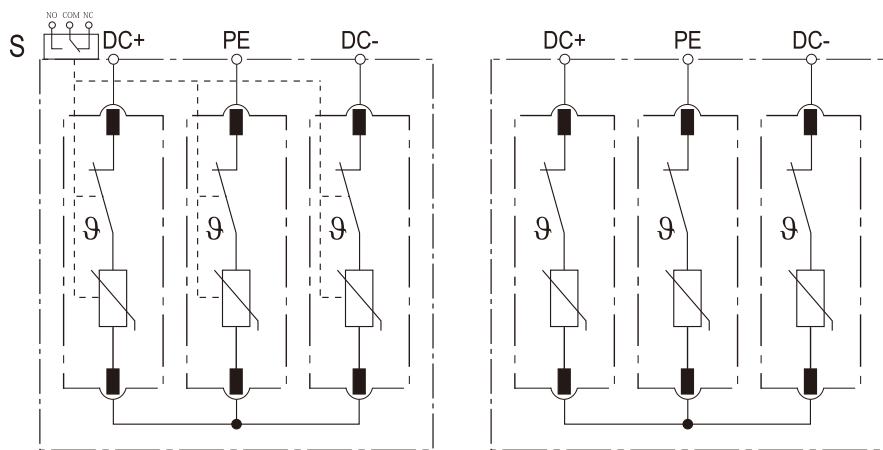
Technical Data

SPD classification according to IEC/EN61643-31		T1+T2		
Max. continuous operating a.c.voltage	Ucpv	500VDC	1000VDC	1500VDC
Impulse Discharge Current (10/350 μs)	Iimp	6.25kA		
Total Discharge Current (10/350 μs)	ITotal	12.5kA		
Normal discharge current (8/20μs)	In	20kA		
Maximum discharge current (8/20μs)	Imax	40kA		
Voltage protection level DC+/DV-to PE	Up	2000V	4000V	5200V
Response time	tA	≤25ns		
Operating temperature range	Tu	-40°C~80°C		
Operating State/Fault Indication		Green/Red		
Cross-section area (Min.)		4mm ²		
Cross-section area (Max.)		35mm ²		
For mounting on		35mm Din rail		
Enclosure material		Thermal Plastic UL94-V0		
Degree of Protection		IP20		
No. of Moudles		3P(3Mods)		

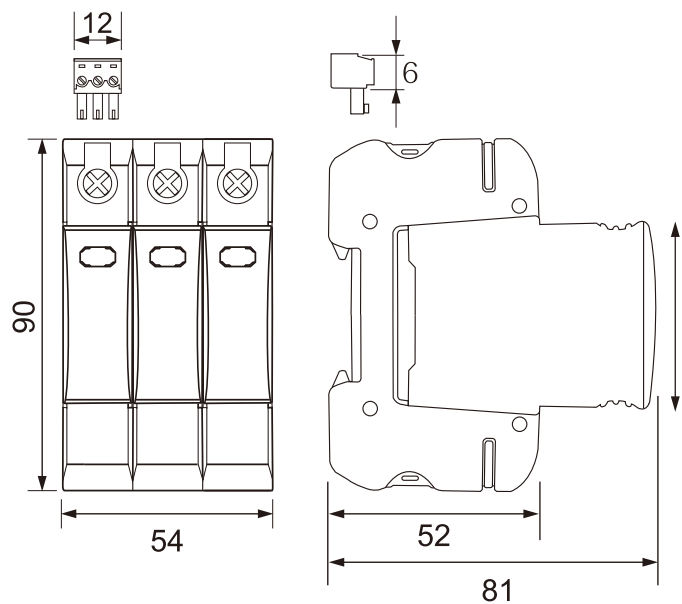
SPD Type Reference List

No. of Poles	Max. Continuous Operating DC Voltage		
	500VDC	1000VDC	1500VDC
3Module	EKU5-T1+T2-40PV-3M500	EKU5-T1+T2-40PV-3M1000	EKU5-T1+T2-40PV-3M1500
With Remote Signaling			
3Module	EKU5-T1+T2-40PV-3M500S	EKU5-T1+T2-40PV-3M1000S	EKU5-T1+T2-40PV-3M1500S

Basic circuit diagram



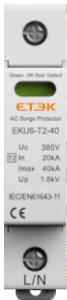
Overall and Installation Dimension(mm)



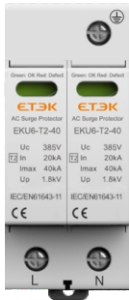
Product Selection Guide

EK U6-T2-40 - 1P - 275 S

With Remote Signaling
 Uc: 150:150V, 275:275V, 320:320V,
 385:385V, 440:440V
 No. of Poles : 1:1P, 2:2P, 3:3P,
 4:4P, 1PN:1P+NPE, 3PN:3P+NPE
 I.max: 40kA
 Classification T2
 SPD serie No.6
 Company Code



EKU6-T2-40
1P



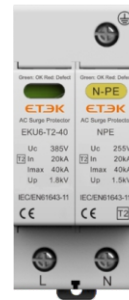
EKU6-T2-40
2P



EKU6-T2-40
3P



EKU6-T2-40
4P



EKU6-T2-40
1P+NPE

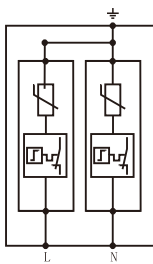


EKU6-T2-40
3P+NPE

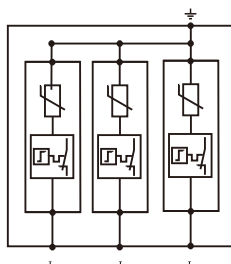
Basic Circuit Diagram



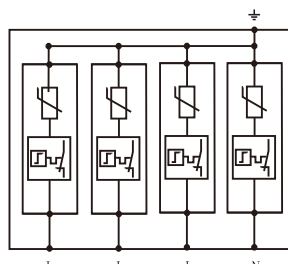
1P



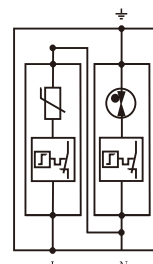
2P



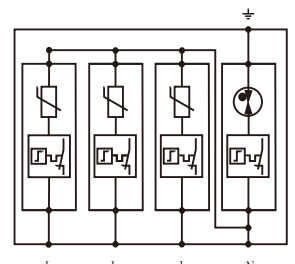
3P



4P



1P+NPE



3P+NPE

SPD Type Reference List

No. of Poles	Max. Continuous Operating AC Voltage				
	150V	275V	320V	385V	440V
1P	EKU6-T2-40-1P150	EKU6-T2-40-1P275	EKU6-T2-40-1P320	EKU6-T2-40-1P385	EKU6-T2-40-1P440
2P	EKU6-T2-40-2P150	EKU6-T2-40-2P275	EKU6-T2-40-2P320	EKU6-T2-40-2P385	EKU6-T2-40-2P440
3P	EKU6-T2-40-3P150	EKU6-T2-40-3P275	EKU6-T2-40-3P320	EKU6-T2-40-3P385	EKU6-T2-40-3P440
4P	EKU6-T2-40-4P150	EKU6-T2-40-4P275	EKU6-T2-40-4P320	EKU6-T2-40-4P385	EKU6-T2-40-4P440
1P+NPE	EKU6-T2-40-1PN150	EKU6-T2-40-1PN275	EKU6-T2-40-1PN320	EKU6-T2-40-1PN385	EKU6-T2-40-1PN440
3P+NPE	EKU6-T2-40-3PN150	EKU6-T2-40-3PN275	EKU6-T2-40-3PN320	EKU6-T2-40-3PN385	EKU6-T2-40-3PN440

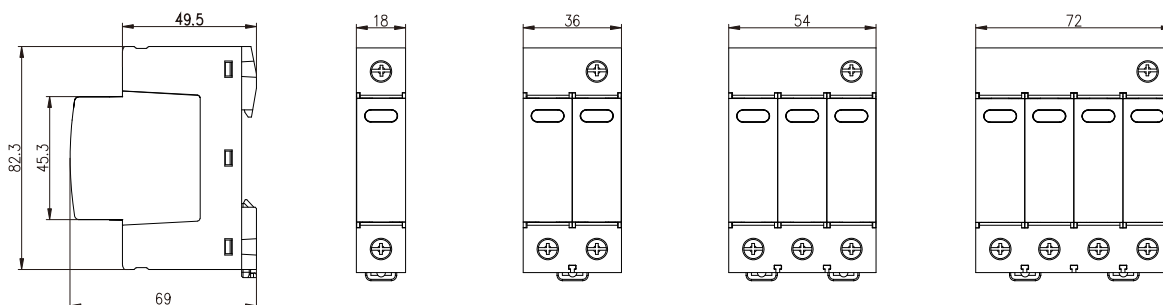
With Remote Signaling

1P	EKU6-T2-40-1P150S	EKU6-T2-40-1P275S	EKU6-T2-40-1P320S	EKU6-T2-40-1P385S	EKU6-T2-40-1P440S
2P	EKU6-T2-40-2P150S	EKU6-T2-40-2P275S	EKU6-T2-40-2P320S	EKU6-T2-40-2P385S	EKU6-T2-40-2P440S
3P	EKU6-T2-40-3P150S	EKU6-T2-40-3P275S	EKU6-T2-40-3P320S	EKU6-T2-40-3P385S	EKU6-T2-40-3P440S
4P	EKU6-T2-40-4P150S	EKU6-T2-40-4P275S	EKU6-T2-40-4P320S	EKU6-T2-40-4P385S	EKU6-T2-40-4P440S
1P+NPE	EKU6-T2-40-1PN150S	EKU6-T2-40-1PN275S	EKU6-T2-40-1PN320S	EKU6-T2-40-1PN385S	EKU6-T2-40-1PN440S
3P+NPE	EKU6-T2-40-3PN150S	EKU6-T2-40-3PN275S	EKU6-T2-40-3PN320S	EKU6-T2-40-3PN385S	EKU6-T2-40-3PN440S

Technical Data

SPD classification according to IEC/EN61643-11		T2	T2	T2	T2	T2
Max. continuous operating a.c.voltage	Uc	150V	275V	320V	385V	440V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V	255V	255V	255V
Norminal discharge current (8/20μs)	In	20kA	20kA	20kA	20kA	20kA
Maximum discharge current (8/20μs)	I _{max}	40kA	40kA	40kA	40kA	40kA
Voltage protection level	Up	≤0.8kV	≤1.3kV	≤1.5kV	≤1.8kV	≤2.0kV
Voltage protection level5 kA	Up	≤0.6kV	≤1.0kV	≤1.2kV	≤1.4kV	≤1.6kV
Voltage protection level	Up(N-PE)	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV	≤1.5kV
Max. backup fuse		125A gL				
Response time	tA	≤25ns				
Response time	tA(N-PE)	≤100ns				
Operating temperature range	Tu	-40°C~80°C				
Operating State/Fault Indication		Green/Red				
Cross-section area (Min.)		4mm ²				
Cross-section area (Max.)		35mm ²				
For mounting on		35mm Din rail				
Enclosure material		Thermal Plastic UL 94-V0				
Degree of Protection		IP20				
No. of Poles		1P,2P,3P,4P,1P+NPE,3P+NPE				

Overall and Installation Dimension(mm)



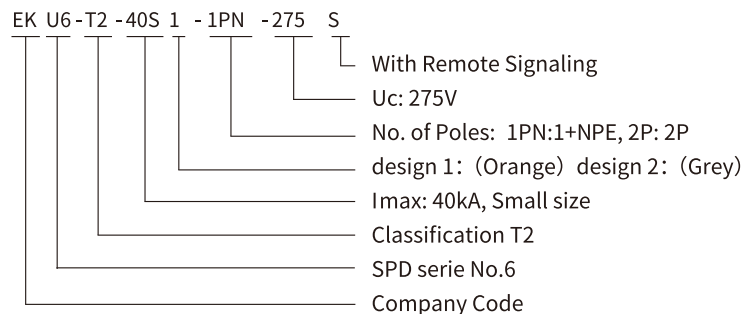


EKU6-T2-40S1



EKU6-T2-40S2

Product Selection Guide



SPD Type Reference List

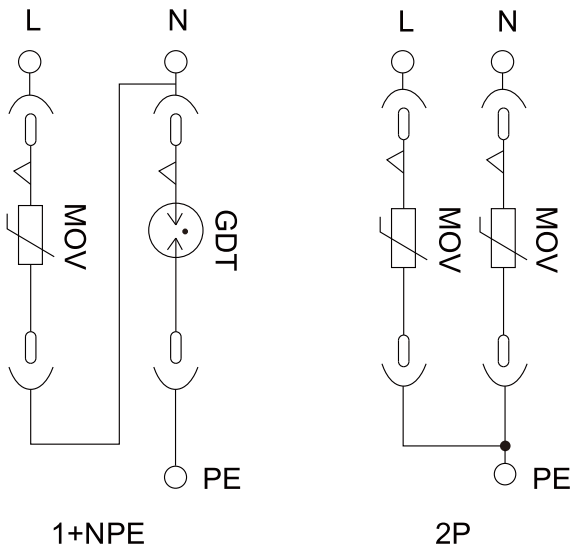
No. of Poles	Max. Continuous Operating AC Voltage 275V
1+NPE	EKU6-T2-40S1-1PN275
2P	EKU6-T2-40S1-2P275
With Remote Signaling	
1+NPE	EKU6-T2-40S1-1PN275S
2P	EKU6-T2-40S1-2P275S

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

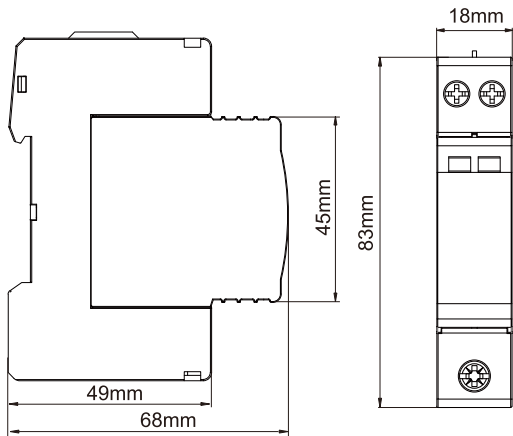
Technical Data

SPD classification according to IEC/EN61643-11		T2	T2
Model		EKU6-T2-40S1 (Orange)	EKU6-T2-40S2 (Grey)
Max. continuous operating a.c.voltage	Uc(L-N)	275V	275V
Max. continuous operating a.c.voltage	Uc(N-PE)	255V	255V
Norminal discharge current (8/20μs)	I _n	20kA	20kA
Maximum discharge current (8/20μs)	I _{max}	40kA	40kA
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	T _u	-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

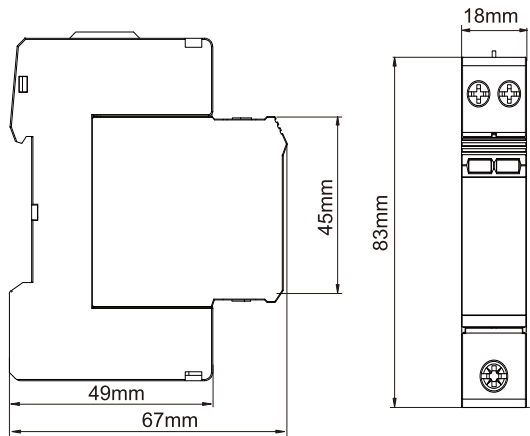
Schematic Diagram



Overall and Installation Dimension(mm)



EKU6-T2-40S1



EKU6-T2-40S2

 The product data referred to in the company shall be subject to material object, Subject to change without notice.
The company has the final right to interpret.

 Green paper printing.

Tel-

Sales office:0086-553-8511789

Email-

Sales office:sales@etek-electric.com

ADD(WUHU):No.770 Wutun Fast Road,Anhui Xinwu
Economic Development Zone,Wanzhi District,Wuhu
City,Anhui Province,P.R.China.

ADD(WENZHOU):No.288th. Wei 17 Road,Economic
Development Zone,Yueqing City Zhejiang China.325600.

ETEC

ZHEJIANG ETEK ELECTRICAL TECHNOLOGY CO.,LTD.
WUHU ETEK ELECTRIC CO.,LTD.

