

AC SPD

Imp: 7kA

ETAK®

ETU5-T1+T2-7

AC Surge Protective Device

CE



Type 1+Type 2 Combined Protection

35mm DIN Rail Mounting

Imp: 7kA (10/350µs)

Keyed N-PE Module Design

In: 25kA (8/20µs)

Removable Arc-Safe Barrier

Imax: 50kA (8/20µs)

Visual Status Indication

Optional Remote Signaling

Standard: IEC/EN 61643-11 Low-voltage surge protective devices

Applications



Building Main Distribution



Branch Distribution Panels



Industrial Control Systems



Telecom & Data Rooms

Overview

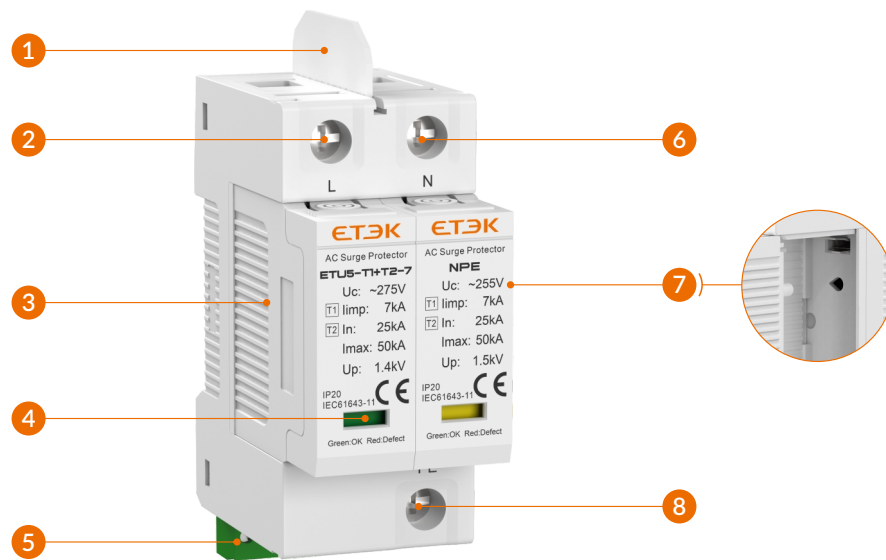
ETU5-T1+T2-7 Series AC Surge Protective Device is designed for lightning surge and switching overvoltage protection in low-voltage power distribution systems. Featuring Type 1+Type 2 combined protection with an impulse discharge current of **limp 7kA** (10/350µs), it is suitable for building main distribution systems, branch distribution panels, industrial control cabinets, and telecom and data rooms.

The product features a keyed N-PE module design and a removable arc-safe barrier to help prevent incorrect replacement while improving installation safety and maintenance convenience. Its appearance and mounting dimensions are consistent with T Series devices, allowing side-by-side installation and a uniform panel layout.

Product Selection Guide

E	T	U5	-	T1+T2	-	7	-	2P	275	S
①	②	③		④		⑤		⑥	⑦	⑧
①	Etek				⑤	limp: 7kA				
②	T series				⑥	No. of Poles: 2:2P; 3:3P; 4:4P; 1PN:1P+NPE; 3PN:3P+NPE				
③	SPD series No.5				⑦	Uc: 150:150V; 275:275V; 320:320V; 385:385V; 440:440V				
④	Class I+II / Type 1+2				⑧	With Remote Signaling				

Product Tips



- ① Removable arc-safe barrier
- ② Live line interface
- ③ Pluggable cartridge
- ④ Visual status indication
- ⑤ Remote signal terminal
- ⑥ Live line interface
- ⑦ Keyed N-PE module
- ⑧ Ground line interface

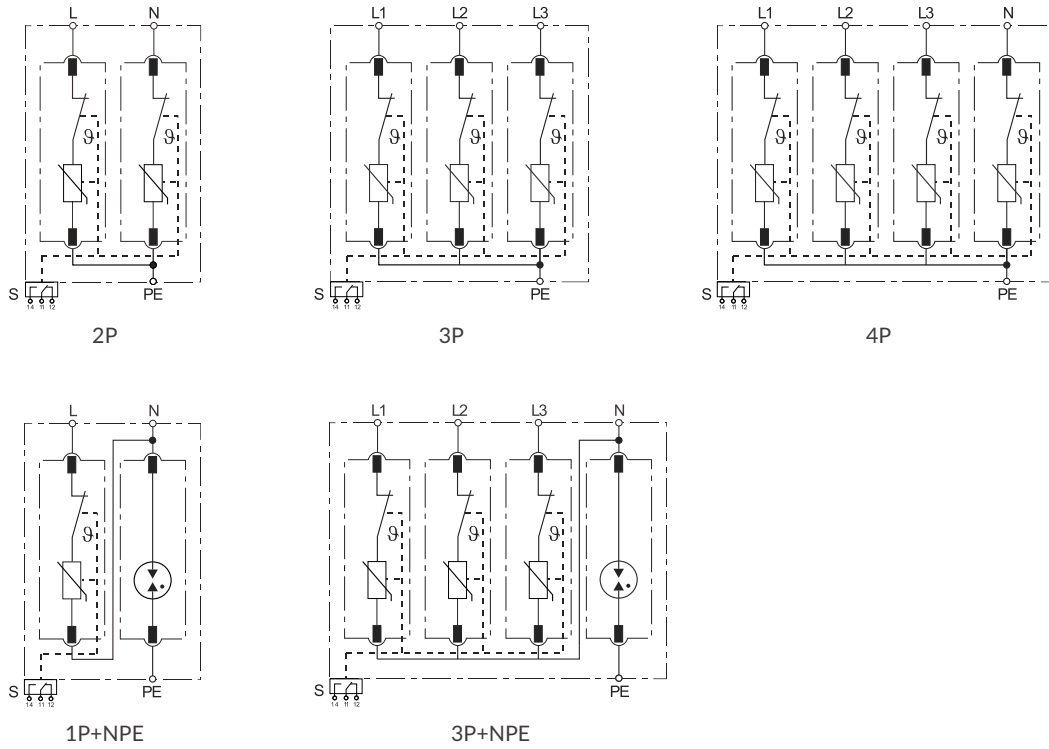
Technical Data

No. of poles	2P	3P	4P	1P+NPE	3P+NPE	
Network systems	TN-S	TN-C	TN-S	TT, TN-S		
Mode of protection	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				
Impulse discharge current (10/350μs)	Iimp	7kA				
Norminal discharge current (8/20μs)	In	25kA				
Maximum discharge current (8/20μs)	I _{max}	50kA				
Voltage protection level (L-N)/(N-PE)	Up	1.2kV/1.5kV	1.4kV/1.5kV	1.6kV/1.5kV	1.8kV/1.5kV	2.0kV/1.5kV
Voltage protection level 5kA	Up	1.0kV	1.2kV	1.4kV	1.5kV	1.6kV
Response time (L-N)/(N-PE)	tA	≤25ns/ ≤100ns				
Operating temperature range	Tu	-40°C to +80°C				
Max. Back-up fuse	160A gL/gG					
Operating state/fault indication	Green/Red(L-N), Yellow(N-PE)					
Cross-section area (Min.)/(Max.)	4mm ² /35mm ²					
Mounting	35mm DIN Rail, EN 60715					
Enclosure material	Thermal Plastic UL94-V0					
Degree of protection	IP20 (built-in)					
Remote contacts (RC)	Optional					
RC switching capacity	AC: 250V/0.5A; DC: 250V/0.1A; 125V/0.2A; 75V/0.5A					
RC conductor cross section (max.)	16 AWG (Solid) / 1.5mm ² (Solid)					

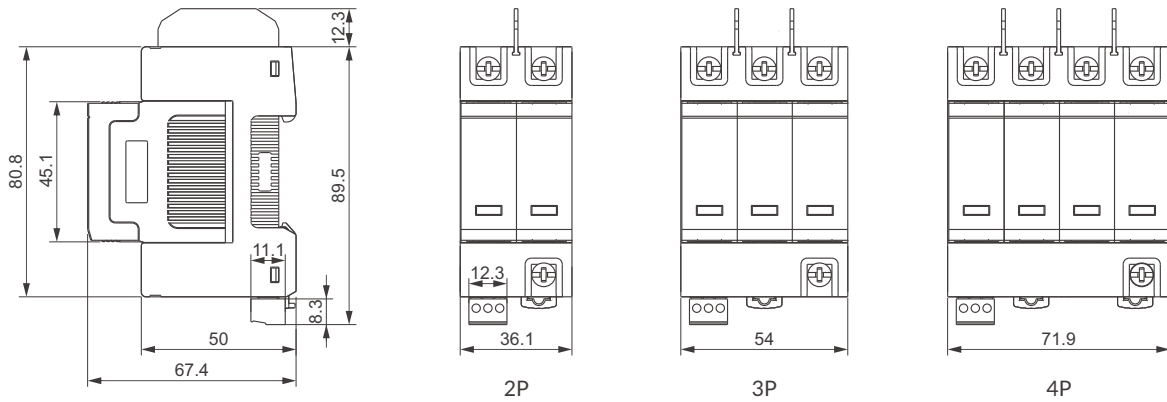
SPD Type Reference List

No. of poles	Max. continuous operating AC voltage				
	150V	275V	320V	385V	440V
2P	ETU5-T1+T2-7-2P150	ETU5-T1+T2-7-2P275	ETU5-T1+T2-7-2P320	ETU5-T1+T2-7-2P385	ETU5-T1+T2-7-2P440
3P	ETU5-T1+T2-7-3P150	ETU5-T1+T2-7-3P275	ETU5-T1+T2-7-3P320	ETU5-T1+T2-7-3P385	ETU5-T1+T2-7-3P440
4P	ETU5-T1+T2-7-4P150	ETU5-T1+T2-7-4P275	ETU5-T1+T2-7-4P320	ETU5-T1+T2-7-4P385	ETU5-T1+T2-7-4P440
1P+NPE	ETU5-T1+T2-7-1PN150	ETU5-T1+T2-7-1PN275	ETU5-T1+T2-7-1PN320	ETU5-T1+T2-7-1PN385	ETU5-T1+T2-7-1PN440
3P+NPE	ETU5-T1+T2-7-3PN150	ETU5-T1+T2-7-3PN275	ETU5-T1+T2-7-3PN320	ETU5-T1+T2-7-3PN385	ETU5-T1+T2-7-3PN440
With Remote Signaling					
2P	ETU5-T1+T2-7-2P150S	ETU5-T1+T2-7-2P275S	ETU5-T1+T2-7-2P320S	ETU5-T1+T2-7-2P385S	ETU5-T1+T2-7-2P440S
3P	ETU5-T1+T2-7-3P150S	ETU5-T1+T2-7-3P275S	ETU5-T1+T2-7-3P320S	ETU5-T1+T2-7-3P385S	ETU5-T1+T2-7-3P440S
4P	ETU5-T1+T2-7-4P150S	ETU5-T1+T2-7-4P275S	ETU5-T1+T2-7-4P320S	ETU5-T1+T2-7-4P385S	ETU5-T1+T2-7-4P440S
1P+NPE	ETU5-T1+T2-7-1PN150S	ETU5-T1+T2-7-1PN275S	ETU5-T1+T2-7-1PN320S	ETU5-T1+T2-7-1PN385S	ETU5-T1+T2-7-1PN440S
3P+NPE	ETU5-T1+T2-7-3PN150S	ETU5-T1+T2-7-3PN275S	ETU5-T1+T2-7-3PN320S	ETU5-T1+T2-7-3PN385S	ETU5-T1+T2-7-3PN440S

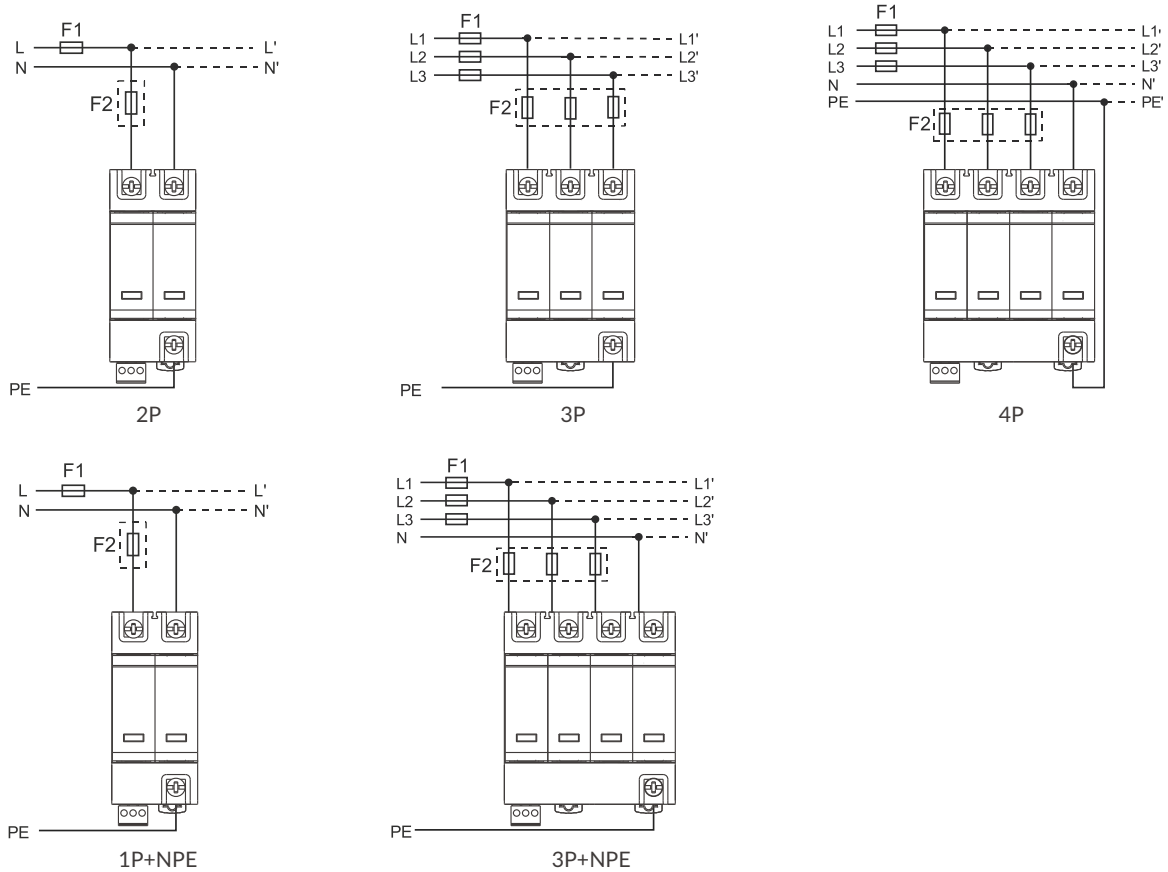
Basic Circuit Diagram



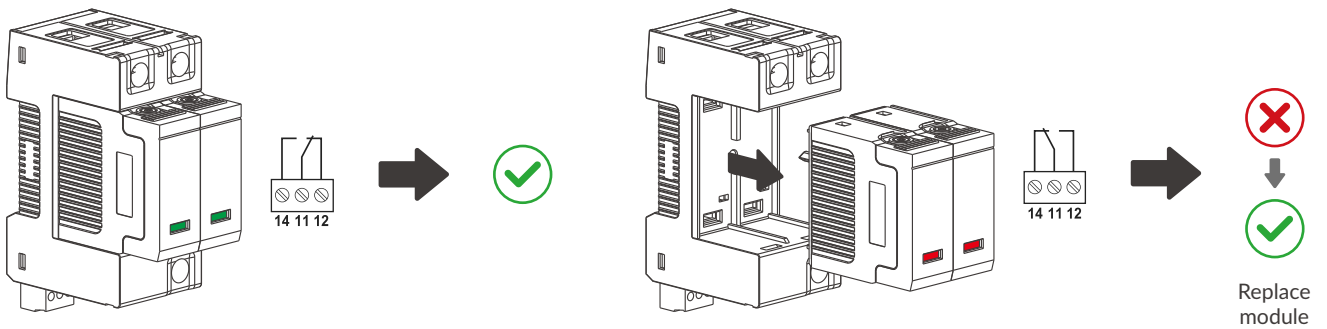
Dimension (mm)



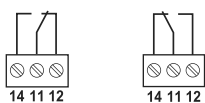
Connection Diagram



Maintenance



Remote Signal Terminal



Remote signal for disconnection information

11-12 Closed = SPD OK
11-14 Open = SPD OK

11-12 Open = SPD disconnect
11-14 Closed = SPD disconnect