AC SPD | Imax: 60kA

ETU5-T2-60

AC Surge Protective Device

CE

- Type 2 / Class II Surge Protection
- 35mm DIN Rail Mounting
- In: 30kA (8/20µs)
- Keyed N-PE Module Design
- Imax: 60kA (8/20µs)
- Removable Arc-Safe Barrier
- Supports TN-S, TN-C and TT Systems
- 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

ETU5-T2-60 AC Surge Protective Device

Overview

ETU5-T2-60 Series AC Surge Protective Device is designed for surge protection in low-voltage power distribution systems. With Type 2 / Class II protection, In 30kA (8/20μs), and **Imax 60kA** (8/20μs), it provides reliable protection against lightning-induced surges and switching overvoltages in building and industrial distribution applications.

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.

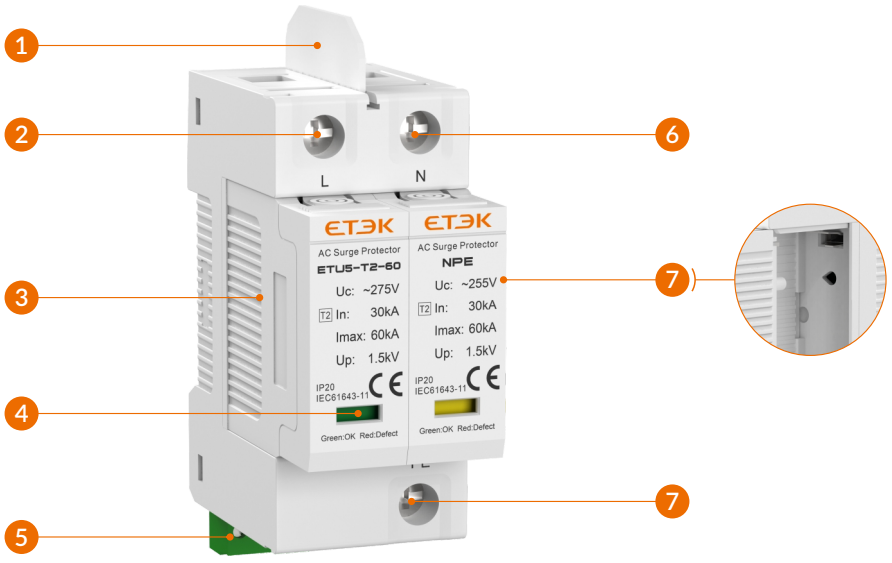
Product Selection Guide

E	T	U5	-	T2	-	60	-	2P	275	S
①	②	③		④		⑤		⑥	⑦	⑧

①	ETEK
②	T series
③	SPD series No.5
④	Class II / Type 2

⑤	Imax: 60kA
⑥	No. of Poles: 2:2P; 3:3P; 4:4P; 1PN:1P+NPE; 3PN:3P+NPE
⑦	Uc: 150:150V; 275:275V; 320:320V; 385:385V
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

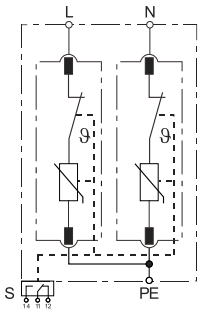
No. of poles	2P	3P	4P	1P+NPE	3P+NPE
Network systems	TN-S	TN-C	TN-S	TT, TN-S	
Mode of protection	L-PE, N-PE	L-PEN	L-PE, N-PE	L-N, N-PE	
Protective elements	High Energy MOV			High Energy MOV and GDT	

Maximum continuous operating voltage (L-N)	Uc	150V	275V	320V	385V
Maximum continuous operating voltage (N-PE)	Uc	255V			
Norminal discharge current (8/20μs) (L-N)/(N-PE)	In	30kA			
Maximum discharge current (8/20μs) (L-N)/(N-PE)	Imax	60kA			
Voltage protection level (L-N)/(N-PE)	Up	1.0kV/1.5kV	1.5kV/1.5kV	1.7kV/1.5kV	2.0kV/1.5kV
Voltage protection level 5kA	Up	0.6kV	1.0kV	1.2kV	1.4kV
Response time (L-N)/(N-PE)	tA	⩽25ns/ ⩽100ns			
Operating temperature range	Tu	-40°C to +80°C			
Max. Back-up fuse		125A gL/gG			
Operating state/fault indication		Green/Red(L-N), Yellow(N-PE)			
Cross-section area (Min.)/(Max.)		4mm²/35mm²			
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) / 1.5mm² (Solid)			

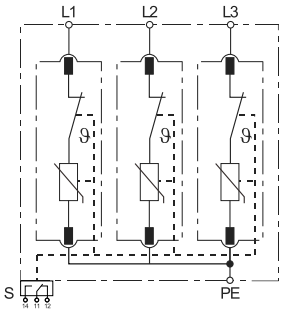
SPD Type Reference List

No. of poles	Max. continuous operating AC voltage			
	150V	275V	320V	385V
2P	ETU5-T2-60-2P150	ETU5-T2-60-2P275	ETU5-T2-60-2P320	ETU5-T2-60-2P385
3P	ETU5-T2-60-3P150	ETU5-T2-60-3P275	ETU5-T2-60-3P320	ETU5-T2-60-3P385
4P	ETU5-T2-60-4P150	ETU5-T2-60-4P275	ETU5-T2-60-4P320	ETU5-T2-60-4P385
1P+NPE	ETU5-T2-60-1PN150	ETU5-T2-60-1PN275	ETU5-T2-60-1PN320	ETU5-T2-60-1PN385
3P+NPE	ETU5-T2-60-3PN150	ETU5-T2-60-3PN275	ETU5-T2-60-3PN320	ETU5-T2-60-3PN385
With Remote Signaling				
2P	ETU5-T2-60-2P150S	ETU5-T2-60-2P275S	ETU5-T2-60-2P320S	ETU5-T2-60-2P385S
3P	ETU5-T2-60-3P150S	ETU5-T2-60-3P275S	ETU5-T2-60-3P320S	ETU5-T2-60-3P385S
4P	ETU5-T2-60-4P150S	ETU5-T2-60-4P275S	ETU5-T2-60-4P320S	ETU5-T2-60-4P385S
1P+NPE	ETU5-T2-60-1PN150S	ETU5-T2-60-1PN275S	ETU5-T2-60-1PN320S	ETU5-T2-60-1PN385S
3P+NPE	ETU5-T2-60-3PN150S	ETU5-T2-60-3PN275S	ETU5-T2-60-3PN320S	ETU5-T2-60-3PN385S

Basic Circuit Diagram



2P



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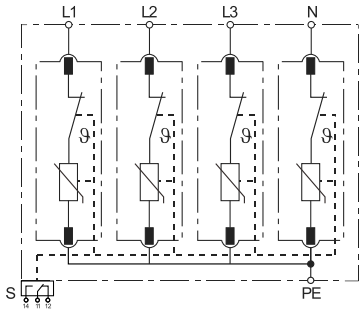

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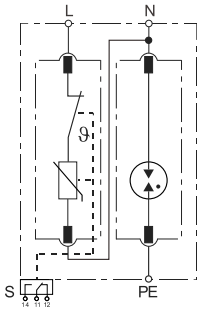
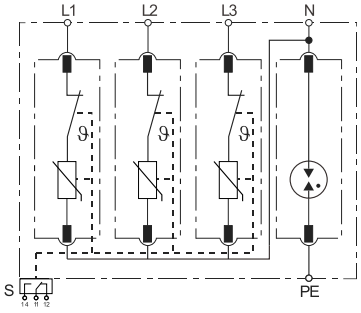
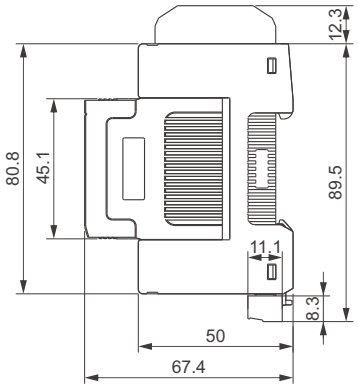


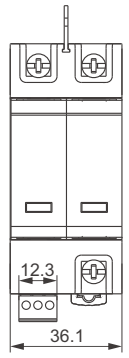
1P+NPE



3P+NPE

Dimension (mm)





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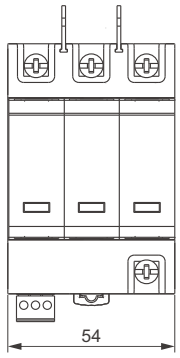

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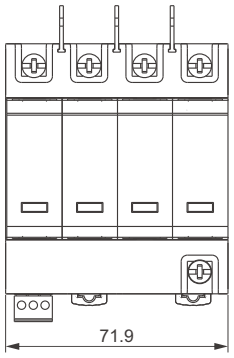
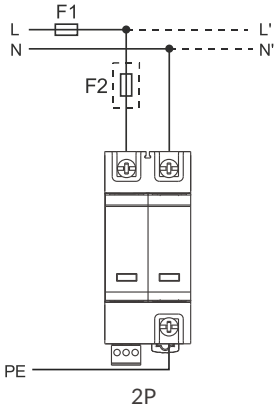


4P

Connection Diagram



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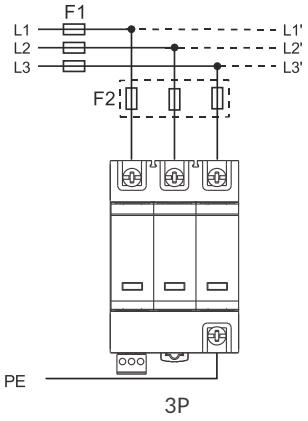

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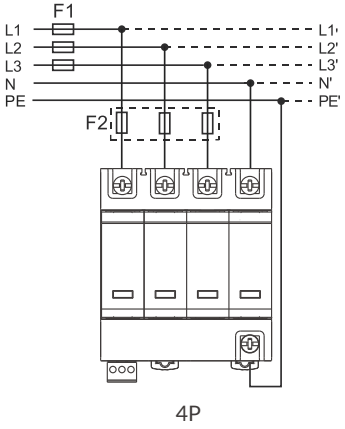

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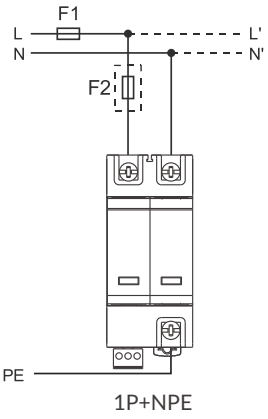
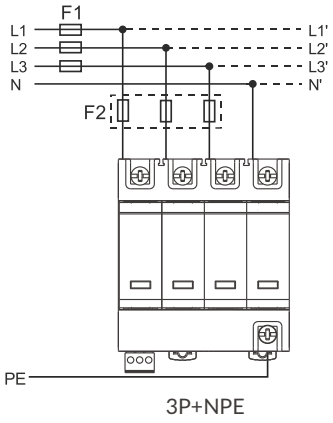
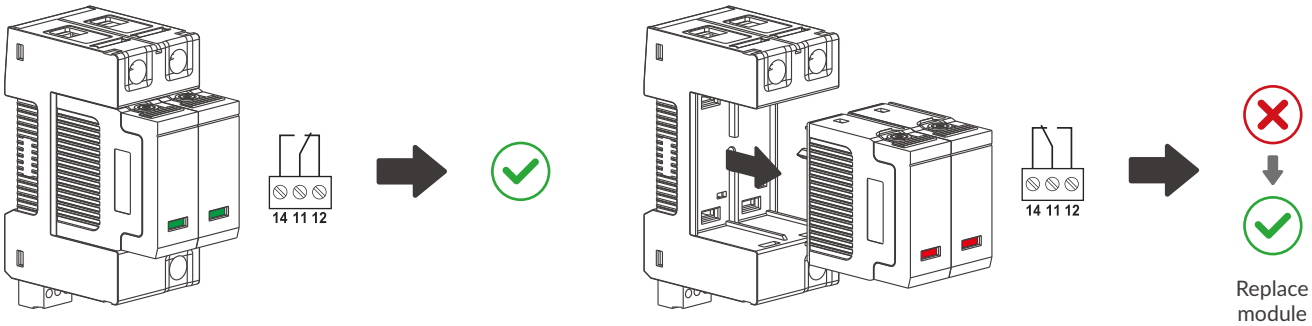


1P+NPE

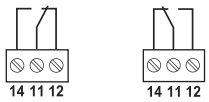


3P+NPE

Maintenance



Remote Signal Terminal



Remote signal for disconnection information

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