

AC SPD

Imax: 40kA

ETAK®

ETU5-T2-40

AC Surge Protective Device



Type 2 / Class II Surge Protection

35mm DIN Rail Mounting

In: 20kA (8/20μs)

Keyed N-PE Module Design

Imax: 40kA (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

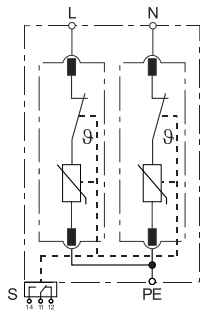
Technical Data

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				
Norminal discharge current (8/20 μ s) (L-N)/(N-PE)	In	20kA				
Maximum discharge current (8/20 μ s) (L-N)/(N-PE)	Imax	40kA				
Voltage protection level (L-N)/(N-PE)	Up	0.8kV/1.5kV	1.3kV/1.5kV	1.5kV/1.5kV	1.8kV/1.5kV	2.0kV/1.5kV
Voltage protection level 5kA	Up	0.6kV	1.0kV	1.2kV	1.4kV	1.6kV
Response time (L-N)/(N-PE)	tA	$\leq 25\text{ns} / \leq 100\text{ns}$				
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.)	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)					

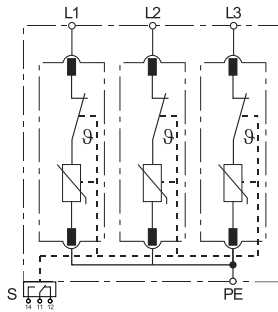
SPD Type Reference List

No. of poles	Max. continuous operating AC voltage				
	150V	275V	320V	385V	440V
2P	ETU5-T2-40-2P150	ETU5-T2-40-2P275	ETU5-T2-40-2P320	ETU5-T2-40-2P385	ETU5-T2-40-2P440
3P	ETU5-T2-40-3P150	ETU5-T2-40-3P275	ETU5-T2-40-3P320	ETU5-T2-40-3P385	ETU5-T2-40-3P440
4P	ETU5-T2-40-4P150	ETU5-T2-40-4P275	ETU5-T2-40-4P320	ETU5-T2-40-4P385	ETU5-T2-40-4P440
1P+NPE	ETU5-T2-40-1PN150	ETU5-T2-40-1PN275	ETU5-T2-40-1PN320	ETU5-T2-40-1PN385	ETU5-T2-40-1PN440
3P+NPE	ETU5-T2-40-3PN150	ETU5-T2-40-3PN275	ETU5-T2-40-3PN320	ETU5-T2-40-3PN385	ETU5-T2-40-3PN440
With Remote Signaling					
2P	ETU5-T2-40-2P150S	ETU5-T2-40-2P275S	ETU5-T2-40-2P320S	ETU5-T2-40-2P385S	ETU5-T2-40-2P440S
3P	ETU5-T2-40-3P150S	ETU5-T2-40-3P275S	ETU5-T2-40-3P320S	ETU5-T2-40-3P385S	ETU5-T2-40-3P440S
4P	ETU5-T2-40-4P150S	ETU5-T2-40-4P275S	ETU5-T2-40-4P320S	ETU5-T2-40-4P385S	ETU5-T2-40-4P440S
1P+NPE	ETU5-T2-40-1PN150S	ETU5-T2-40-1PN275S	ETU5-T2-40-1PN320S	ETU5-T2-40-1PN385S	ETU5-T2-40-1PN440S
3P+NPE	ETU5-T2-40-3PN150S	ETU5-T2-40-3PN275S	ETU5-T2-40-3PN320S	ETU5-T2-40-3PN385S	ETU5-T2-40-3PN440S

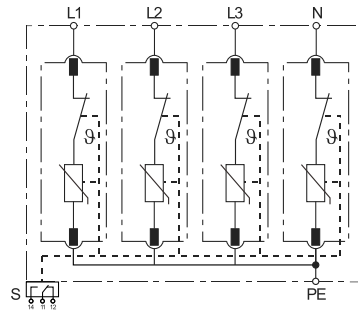
Basic Circuit Diagram



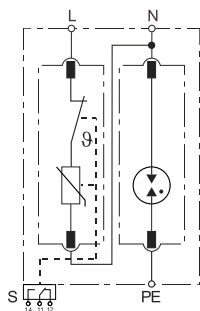
2P



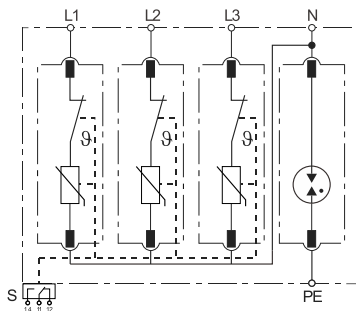
3P



4P

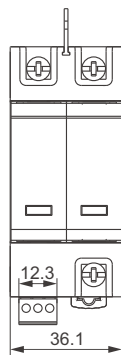
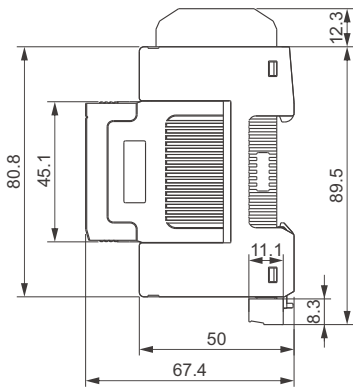


1P+NPE

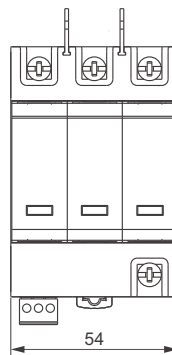


3P+NPE

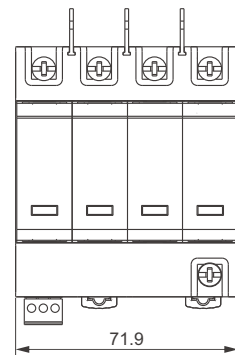
Dimension (mm)



2P

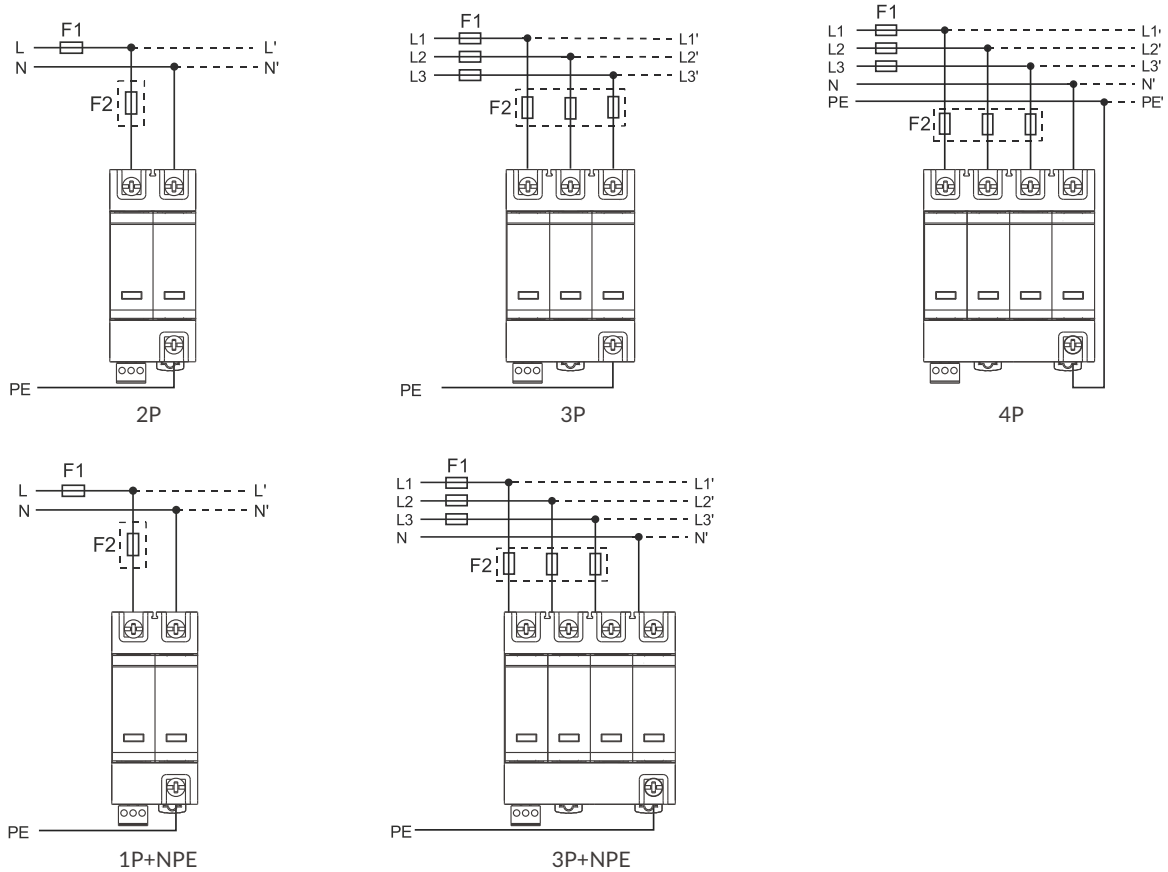


3P

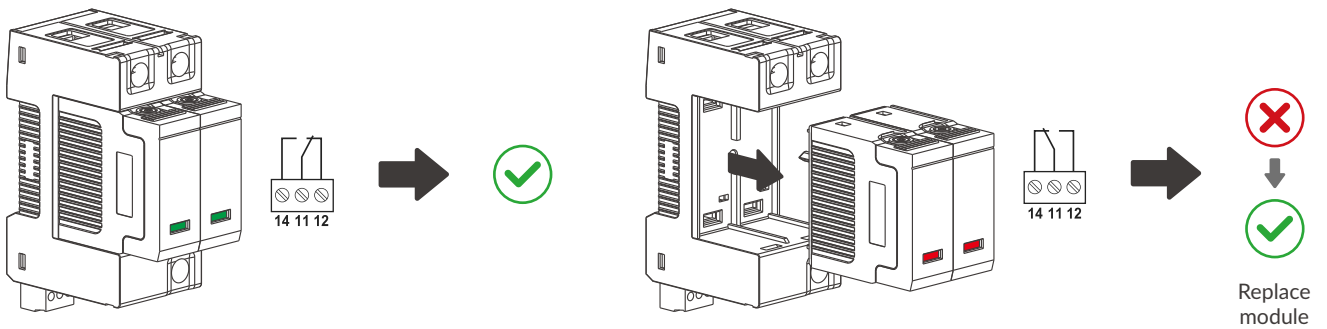


4P

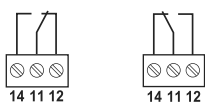
Connection Diagram



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