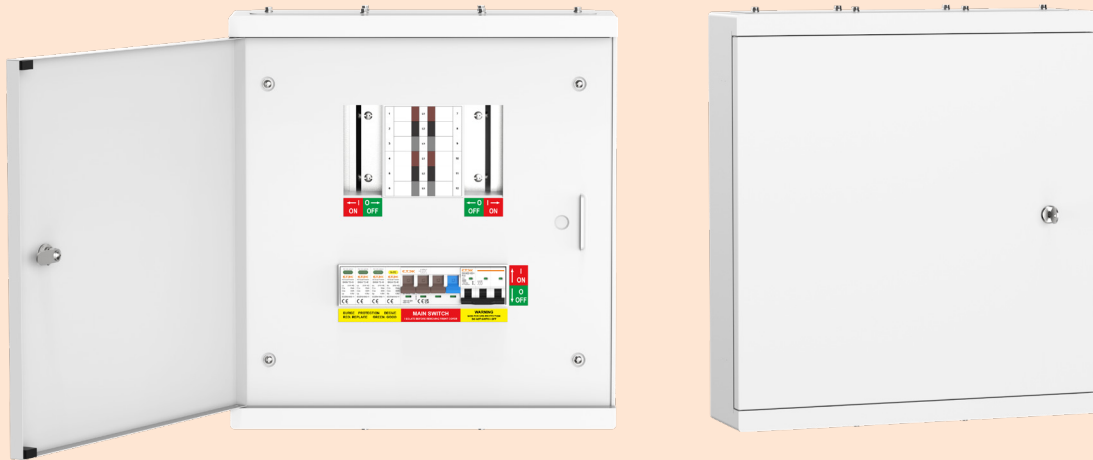


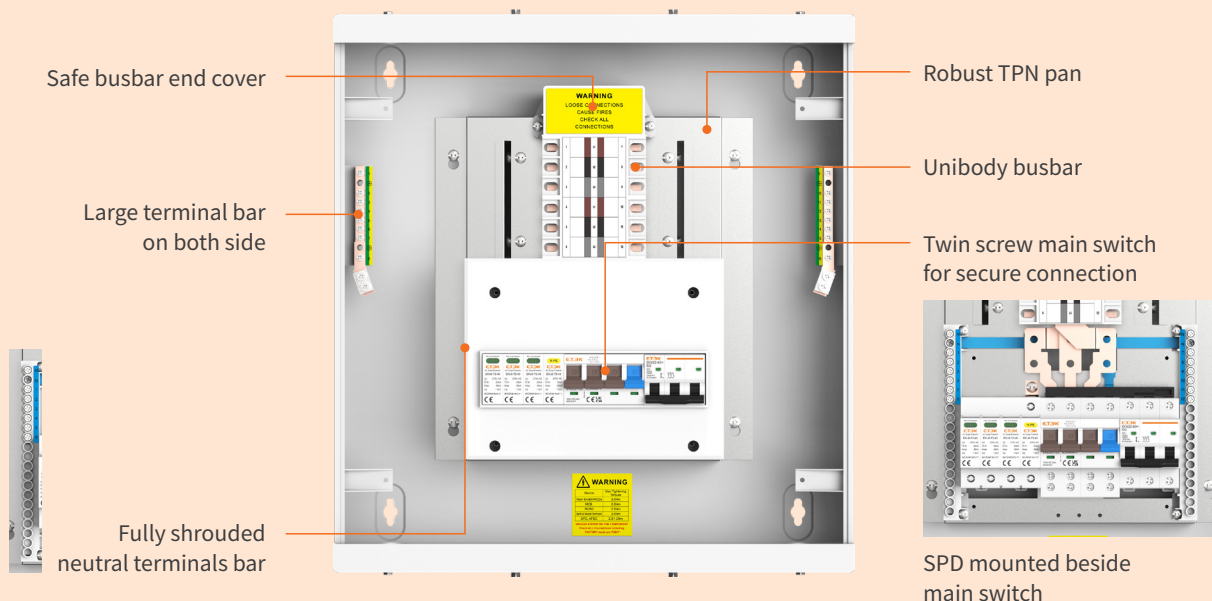


Overview

TP&N (Triple Pole and Neutral) Distribution Boards play a crucial role in electrical distribution systems, particularly in commercial and industrial environments. These boards are specifically designed to efficiently distribute electrical power across multiple circuits while ensuring protection and effective management. TP&N distribution boards can be equipped with protective devices such as MCB, RCBO, AFDD to ensure the electrical system operates efficiently and complies with safety standards. This not only protects equipment but also reduces the risk of electrical fires or shocks.

Features

- Compliant with IEC/EN 61439-3.
- Available in 4, 6, 8, 12, 16 & 24 three phase outgoing circuits.
- Supplied with lock and key for enhanced security.
- Complete shrouding of main incomer and busbar links.
- Double screw terminals at main switch incoming side .
- Neutral and earth terminals fitted on both sides.
- Removable top and bottom gland plates for cable entry.
- Keyhole mounting for simplified wall installation.
- Main incoming switch configurable as isolator switch.



Instruction of Type code

EK	TPN	08	-	ISM	125
↓	↓	↓		↓	↓
①	②	③		④	⑤
Code name	Meaning		Code name	Meaning	
①	ETEK company		④	Main switch: ISM: Isolator+SPD+MCB	
②	Three-phase circuit design		⑤	125A Frame Enclosure	
③	Enclosure size: 4, 6, 8, 12, 16, 24				

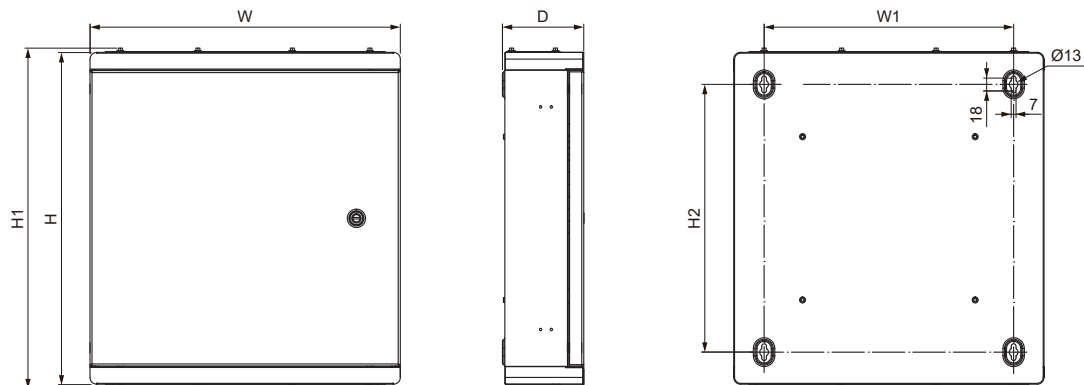
Technical Data

Standard	IEC 61439-3
No. of phase	Three phase
Voltage rating	AC380V/415V, 50/60Hz
Current capacity	125A (Isolator switch)
Installation	Surface-mounted
Configuration	4, 6, 8, 12, 16, 24
Manufacturing material	Steel
Ingress protection	IP2XC
Surface finishing	Powder coated with electrostatic epoxy polyester (RAL7035)
Operational temperature range	-5°C to 40°C

125Amps TP&N Surge Protection Distribution Board

EKTPN04-ISM125	4 Ways with 4 Pole 125A Main Switch & Type 2 3P+NPE 40kA Surge Protection Device & 3P B32 MCB
EKTPN06-ISM125	6 Ways with 4 Pole 125A Main Switch & Type 2 3P+NPE 40kA Surge Protection Device & 3P B32 MCB
EKTPN08-ISM125	8 Ways with 4 Pole 125A Main Switch & Type 2 3P+NPE 40kA Surge Protection Device & 3P B32 MCB
EKTPN12-ISM125	12 Ways with 4 Pole 125A Main Switch & Type 2 3P+NPE 40kA Surge Protection Device & 3P B32 MCB
EKTPN16-ISM125	16 Ways with 4 Pole 125A Main Switch & Type 2 3P+NPE 40kA Surge Protection Device & 3P B32 MCB
EKTPN24-ISM125	24 Ways with 4 Pole 125A Main Switch & Type 2 3P+NPE 40kA Surge Protection Device & 3P B32 MCB

125A EKTPN Distribution Board Dimension (mm)



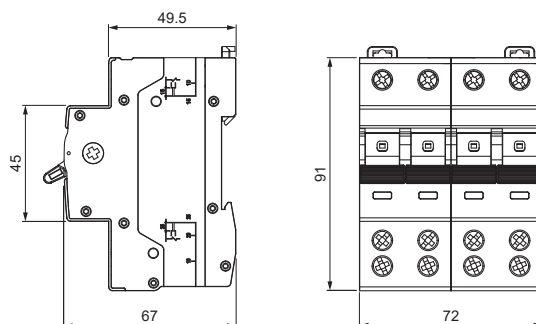
Ref No.	W	H	D	H1	W1	H2
EKTPN04	460	492	120	505	370	397
EKTPN06	460	546	120	559	370	451
EKTPN08	460	600	120	613	370	505
EKTPN12	460	708	120	721	370	613
EKTPN16	460	806	120	829	370	721
EKTPN24	460	1032	120	1045	370	937

EKD22-125 Isolator Switch



- Standards: IEC/EN 60947-3
- Poles: 4P
- Insulation voltage: 500V
- Rated operated voltage: 400/415V~
- Rated current: 125A
- Utilization category: AC-22A
- Terminal connection type: Pin-type/ Fork-type busbar
(Dual Screw incoming terminals)
- Terminal capacity: 50mm²

Ref No.	Poles	Poles
EKD22-4-125	4P	125A

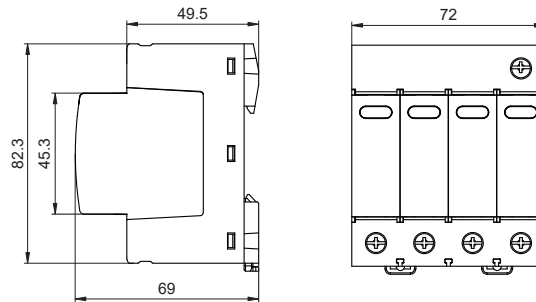


EKU6-T2-40 Surge Protective Device



- Standard: IEC/EN 61643-11
- IEC/EN category: Type 2
- Poles: 3P+NPE
- Network systems: TN-S, TT
- Mode of protection: L-N, N-PE
- Max discharge current: 40kA 8/20uS
- Operating voltage: L-N:275V,385V; N-PE:255V
- Voltage protection level: L-N:1.8kV; N-PE:1.5kV
- Degree of protection: IP20

Ref No.	Poles	Operating voltage (Uc)
EKU6-T2-40-3PN275	3P+NPE	L-N=275V
EKU6-T2-40-3PN385	3P+NPE	L-N=385V



EKM22-63H Miniature Circuit Breaker



- Rated current In (A): 32, 40
- Poles: 3P
- Rated voltage Ue: 400/415V
- Rated frequency: 50/60Hz
- Insulation voltage Ui: 500V
- Rated breaking capacity: 10kA
- Contact position degree: IP20
- Rated impulse withstand voltage (Uimp) (1.2/50μs): 4kV
- Dielectric test voltage: 2kV (50/60Hz, 1 min.)
- Instantaneous tripping characteristics: B
- Terminal connection type: Pin-type/ Fork-type busbar
- Terminal capacity: 25mm²

Ref No.	Poles	Tripping Characteristics	Rated Current
EKM22-63H-3B32	3P	B	32A
EKM22-63H-3B40	3P	B	40A

