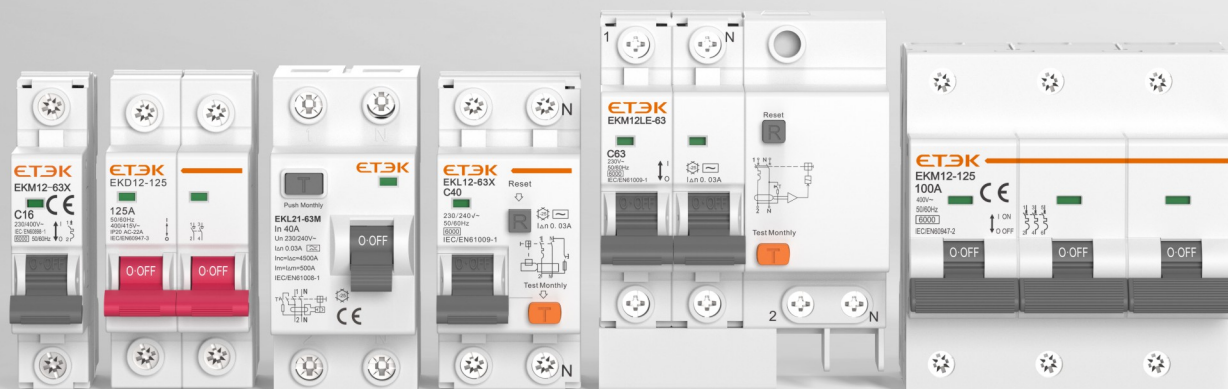
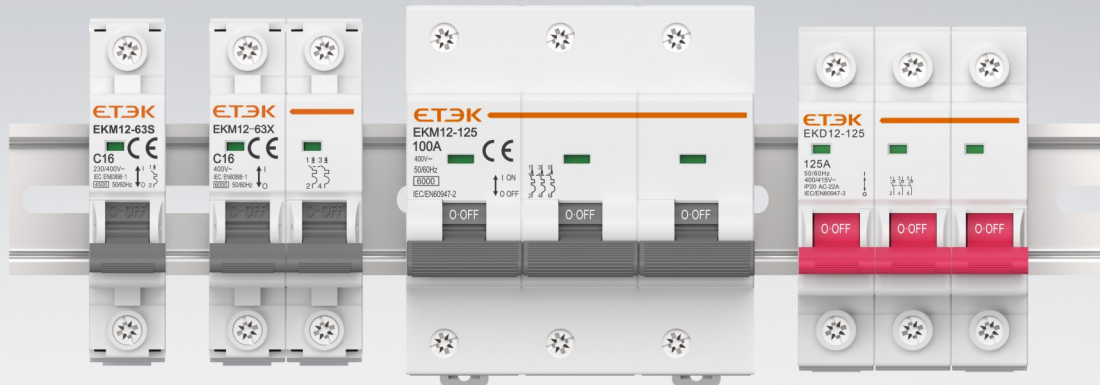


E Series Circuit Breakers

Product Selection Guide



MCB & Isolator Switch



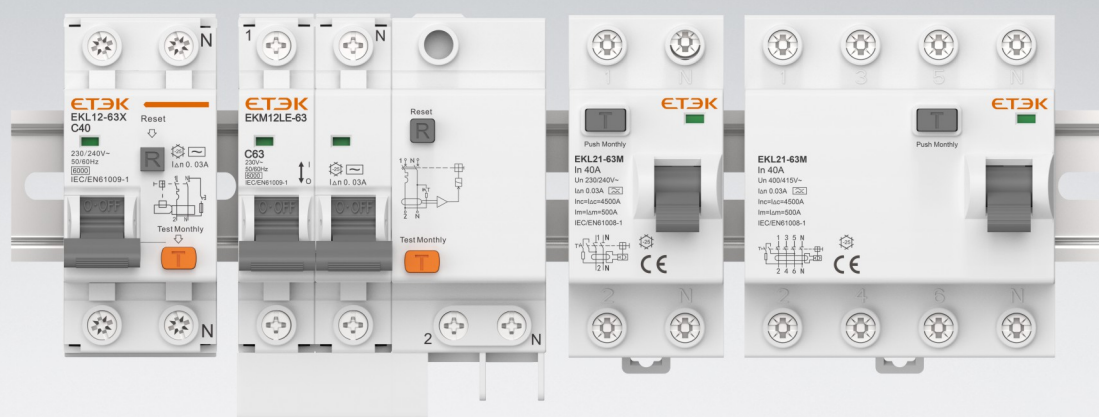
Model	EKM12-63S	EKM12-63X	EKM12-125	EKD12-125
Standard	IEC60898-1	IEC60898-1	IEC60947-2	IEC60947-3
Poles	1, 2, 3, 4P	1, 2, 3, 4P	1, 2, 3, 4P	1, 2, 3, 4P
Rated voltage	240/415V~	240/415V~	240/415V~	240/415V~
Rated frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Rated current	1~63A	1~63A	80~125A	25~125A
Tripping curve	B, C, D	B, C, D	8-12In	/
Breaking capacity	4.5kA	6kA	6kA	/
Rated insulation voltage	415V	415V	415V	500V
Rated impulse withstand voltage (Uimp)	4kV	4kV	4kV	6kV
Fault trip indication	Yes	Yes	Yes	Yes
Busbar connection	Pin type	Pin type	Pin type	Pin type
Incoming method	Bi-Directional	Bi-Directional	Bi-Directional	Bi-Directional
Auxiliary for remote tripping or signaling	Yes	Yes	No	No

RCBO & RCCB

Residual Current Device

ETAK®

CE CB



Model	EKL12-63X	EKM12LE-63	EKL21-63M
Standard	IEC61009-1	IEC61009-1	IEC61008-1
Residual Current Trip Unit Type	Electronic	Electronic	Electro-magnetic
Residual current type	AC, A	AC, A	AC, A, A-SI, A-S
Poles	1P+N	1P+N, 2P, 3P, 3P+N, 4P	1P+N, 3P+N
Neutral	Switched, N pole on the right	Switched, N pole on the right	Switched, N pole on the right
Rated voltage	230/240V~	240/415V~	240/415V~
Rated current	6~63A	6~63A	16~63A
Tripping curve	B, C	B, C, D	-
Rated sensitivity current	10, 30, 100, 300mA	30, 100, 300mA	30, 100, 300mA
Breaking capacity	6kA	6kA	6kA
Rated impulse withstand voltage (Uimp)	4kV	4kV	4kV
Fault trip indication	Yes	Yes	Yes
Busbar connection	Pin type	Pin type	Pin type
Incoming method	From top	From top	Bi-Directional
Auxiliary for remote tripping or signaling	No	No	No

E Series Accessories for MCB & RCBO



1. Circuit breaker body
2. EKM12-TZ mechanical interlock
3. EKM12-MN+MV over-undervoltage release
EKM12-MN undervoltage release
EKM12-MV overvoltage release
EKM12-MNs voltage loss release
4. EKM12-MX+OF shunt release and auxiliary contact
EKM12-MX shunt release
5. EKM12-OF auxiliary contact
EKM12-SD alarm contact
6. EKM12-2OF auxiliary contact

Type	Model	Mounting location	Contacts	Rated voltage	Width	Remark
Auxiliary contact	EKM12-OF	Left	1NO+1NC	110~415 VAC 24~48 VDC	9mm	/
	EKM12-2OF	Left	2NO+2NC			
Alarm contact	EKM12-SD	Left	1NO+1NC	110~415 VAC 24~48 VDC	9mm	/
Auxiliary & Alarm contact	EKM12-FB	Left	2NO+2NC	110~415 VAC 24~48 VDC	9mm	/
Shunt release	EKM12-MX	Left	/	110~415 VAC 24~48 VDC	18mm	/
Shunt release & Auxiliary contact	EKM12-MX+OF	Left	/	110~415 VAC 24~48 VDC	18mm	Active type
	EKM12-MXV+OF	Left	/			Passive type
Undervoltage release	EKM12-MN	Left	/	Ue: 230/380V Uvo: 170/300V±5%	18mm	/
Overvoltage release	EKM12-MV	Left	/	Ue: 230/380V Uoe: 270/460V±5%	18mm	/
Over-undervoltage release	EKM12-MN+MV	Left	/	Ue: 230/380V Uvo: 170/300V±5% Uoe: 270/460V±5%	18mm	/
Voltage loss release	EKM12-MNs1	Left	/	Ue: 230V Uvo: 170V±5% Uoe: 270V±5%	18mm	Electronic
	EKM12-MNs2	Left	/			Mechanical
Mechanical interlock	EKM12-TZ	Between two MCBs	/	/	9mm	/



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Product Details