



DIN-RAIL/MODULAR TYPE
DISTRIBUTION ELECTRIC

» *Always for your safety*



ZHEJIANG ETEK
ELECTRICAL TECHNOLOGY CO.,LTD.

Ver. 2024.1

COMPANY INTRODUCTION

Zhejiang ETEK Electrical Technology Co., Ltd. (Abbreviation: ETEK Electric) is a professional manufacturing company dedicated to the research, development, production, and sales of low-voltage electrical appliances. The company was established in 2011 and is located in Wenzhou City, Zhejiang Province. At present, the company has 40K sqm of modern manufacturing bases in Wenzhou and Wuhu with over 500 employees, including over 50 R&D and technical personnel.

ETEK Electric has multiple production workshops for mold design, parts manufacturing, welding, and assembly. Additionally, they have multiple automated production lines for MCB and RCCB. Our products include MCB, RCCB, RCBO, AFDD, MCCB, ACB, EV Chargers, Photovoltaic DC products, etc., which can meet the needs of different countries and are widely used in fields such as residential, commercial, and industrial.

ETEK Electric has built our own low-voltage electrical testing center, and most of the testing items can meet the requirements of international IEC standards. The company has obtained ISO9001, ISO14001, and ISO45001 system certifications as well as products have obtained international CB, TUV, VDE, CE, RoHS, and other quality certificates.

ETEK Electric constantly masters and breaks through the core technology of circuit breakers, with more than 100 national patents. Focusing on independent brand construction is crucial for the company's development. The "ETEK" trademark is registered in over 80 countries. Products are exported to over 100 countries and regions including the European Union, South America, the Middle East, Africa, and Southeast Asia.

We also support OEM, ODM, OBM, SKD, CKD and other business cooperation models, and provide customers with a full range of services covering market cultivation, technical training, and factory construction.

ETEK Electric has been adhering to the business policy of "Growth", "Quality", "Efficiency", and "Innovation". In 2023, ETEK Electric has formulated the fifth 3-year strategic plan, which specifies the three major initiatives of expanding the production scale, enhancing the new energy market share, and expanding the independent brand, to realize the annual revenue target of \$50 million by 2026.

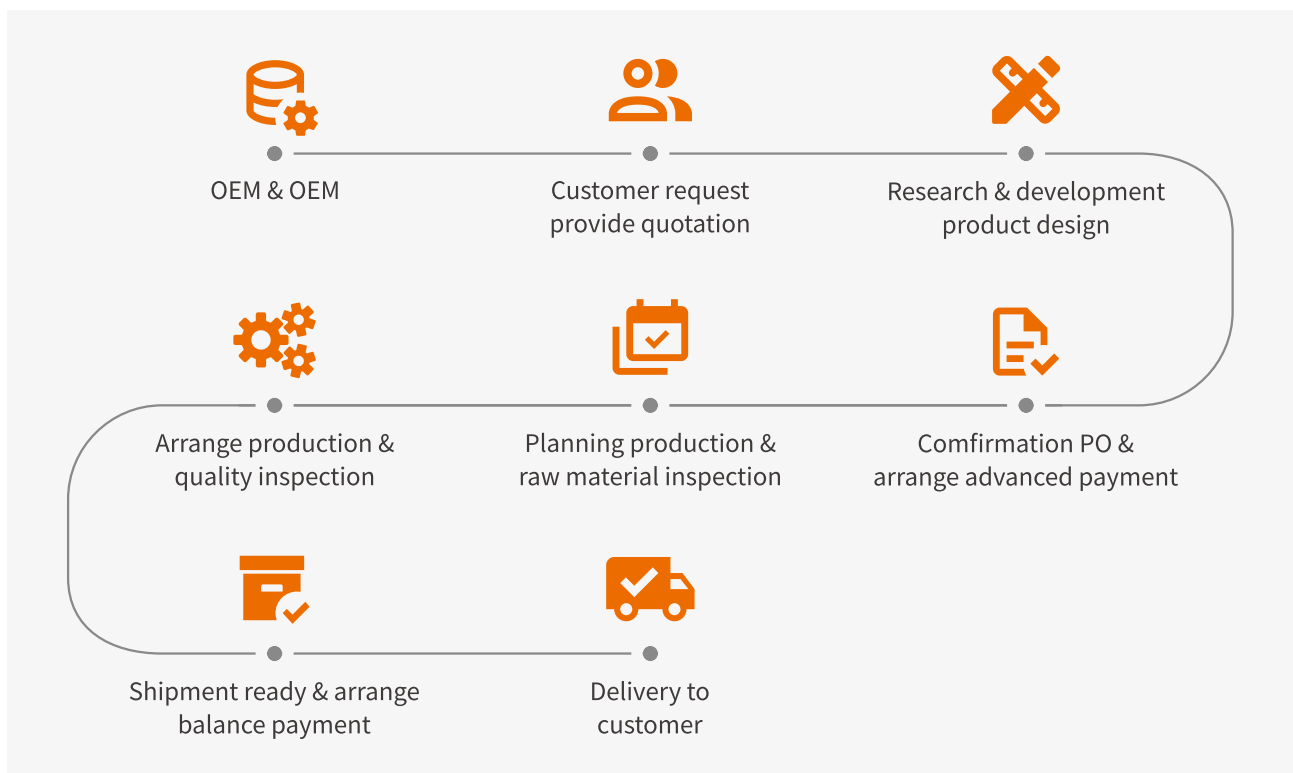
Looking forward to the future, ETEK Electric will be committed to becoming a globally renowned manufacturer in the power distribution and electrical industry, safeguarding the power safety of global customers, and helping the development of green and digital energy.



WORKSHOPS



OEM & ODM BUSINESS



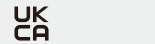
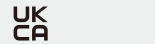
Products Overview of Circuit Breakers

Model No.	S1					
	EKM1-63S	EKM1-63	EKM1-63H	EKM1-40N	EKM1-125H	EKM1-63DC
Breaking Capacity	4.5kA	6kA	10kA	6kA	15kA	6kA
Rated currents (In)	1-63A	1-63A	1-63A	1-40A	63-125A	1-63A
Protection: Overcurrent and short circuit						
Standard	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1 IEC 60947-2	IEC 60947-2
No. of poles	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P+N	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,4P
Rated voltage (V)	240/415V~	240/415V~	240/415V~	240/415V~	240/415V~	1: 250VDC, 2: 500VDC, 4: 1000VDC
Insulation voltage (Ui)	500V	500V	500V	500V	500V	500V
Tripping curve	B,C,D	B,C,D	B,C,D	B,C	8-12In	8-12In
Type	AC	AC	AC	AC	AC	DC
Certificate	CB CE	CB CE UK CA SAA	CB CE UK CA SAA	CB CE UK CA BV	CB CE	CE
Catalogue page No.	21	22	23	25	26	27

Products Overview of Circuit Breakers

Model No.	S2						
	EKM2-63X	EKM2-63	EKM12-63H	EKM2-40N(H)	EKM1-125S	EKM2-125H	EKM1-125DC
Breaking Capacity	4.5kA	6kA	10kA	6kA, 10kA	6kA	10kA	10kA
Rated currents (In)	1-63A	1-63A	1-63A	6-40A	63-125A	63-125A	80-125A
Protection: Overcurrent and short circuit							
Standard	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1 IEC 60947-2	IEC 60947-2
No. of poles	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P+N	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,4P
Rated voltage (V)	240/415V~	240/415V~	240/415V~	240/415V~	240/415V~	240/415V~	1: 250VDC, 2: 500VDC, 4: 1000VDC
Insulation voltage (Ui)	500V	500V	500V	500V	500V	500V	500V
Tripping curve	B,C,D	B,C,D	B,C,D	B,C,D	C,D	8-12In	8-12In
Type	AC	AC	AC	AC	AC	AC	DC
Certificate	CB CE	CB CE UK CA	CB CE UK CA	CB CE UK CA	CB CE	CB CE	CE
Catalogue page No.	40	41	42	43	44	45	46

Products Overview of Circuit Breakers

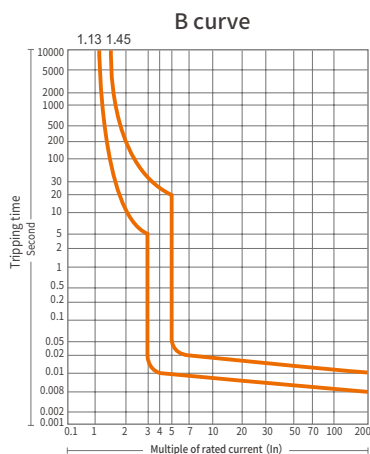
Model No.	S3				
	EKM3-63S	EKM3-63	EKM3-63H	EKM3-100	EKM3-125H
Breaking Capacity	4.5kA	6kA	10kA	6kA	10kA
Rated currents (In)	1-63A	1-63A	1-63A	63-100A	63-125A
Protection: Overcurrent and short circuit					
Standard	IEC 60898-1	IEC 60898-1 IEC 60947-2	IEC 60898-1	IEC 60898-1	IEC 60898-1 IEC 60947-2
No. of poles	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)
Rated voltage (V)	240/415V~	240/415V~	240/415V~	240/415V~	240/415V~
Insulation voltage (Ui)	500V	500V	500V	500V	500V
Tripping curve	B,C,D	B,C	B,C,D	B,C,D	8-12In
Type	AC	AC	AC	AC	AC
Certificate	CB CE	CB CE 	CB CE 	CB CE 	CB CE 
Catalogue page No.	69	70	71	73	74

Products Overview of Circuit Breakers

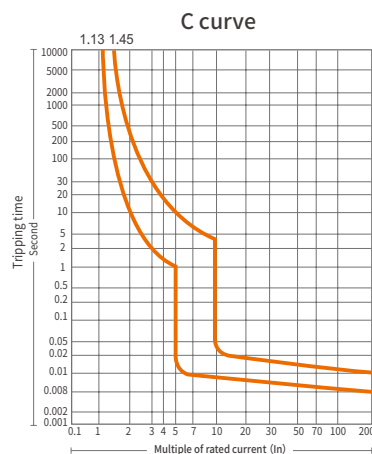
Model No.	Economic type				
	DZ47-63S	EKM2-63M	EKM1-63X	EKM12-63X	EKM2-125
Breaking Capacity	4.5kA	4.5kA	6kA	6kA	6kA
Rated currents (In)	1-63A	1-63A	1-63A	1-63A	25-125A
Protection: Overcurrent and short circuit					
Standard	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1	IEC 60898-1 IEC 60947-2
No. of poles	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)	1P,2P,3P,4P (1P+N),(3P+N)
Rated voltage (V)	240/415V~	240/415V~	240/415V~	240/415V~	240/415V~
Insulation voltage (Ui)	500V	500V	500V	500V	500V
Tripping curve	B,C,D	B,C,D	B,C,D	B,C,D	8-12In
Type	AC	AC	AC	AC	DC
Certificate					
Catalogue page No.	80	81	82	83	84

Tripping Characteristic

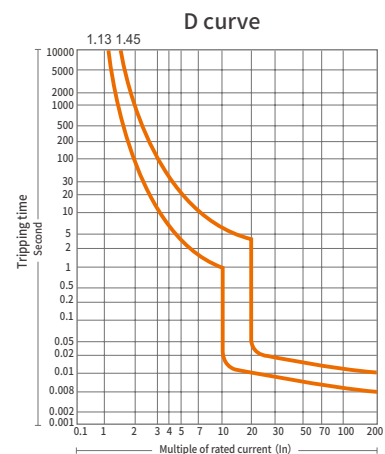
Data acc. to IEC/EN IEC60898-1								
Curve	Rated current	Thermal release				Magnetic release		
		Non-trip	Trip	Non-trip time	Trip time	Hold current	Trip current	Trip time
B	1-125A	$1.13 \times I_n$		$\leq 1h$		$3 \times I_n$		≥ 0.1
			$1.45 \times I_n$		$< 1h$		$5 \times I_n$	< 0.1
C	1-125A	$1.13 \times I_n$		$\leq 1h$		$5 \times I_n$		≥ 0.1
			$1.45 \times I_n$		$< 1h$		$10 \times I_n$	< 0.1
D	1-125A	$1.13 \times I_n$		$\leq 1h$		$10 \times I_n$		≥ 0.1
			$1.45 \times I_n$		$< 1h$		$20 \times I_n$	< 0.1



Universal use
- socket outlet, lighting device

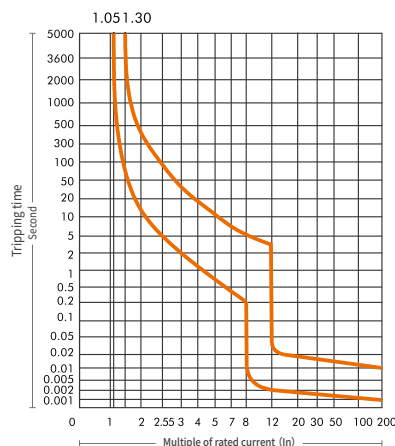


Resistive & inductive loads with low inrush current
- lamp, high starting current motor



Loads with high inrush current
- transformer, solenoid valve, 2 pole motor

Data acc. to IEC/EN 60947-2						
Rated current (I_n)	Tripping Characteristic	Initial state	Test current (A)	Trip time(t)	Result to be obtained	Ambient temperature
$\leq 63A$	Thermal release	Cold state	$1.05I_n$	$\geq 1h$	No tripping	$30^\circ C \pm 2^\circ C$
		Hot state (Follow the above test)	$1.30I_n$	$< 1h$	Tripping	
	Magnetic release	Cold state	$8I_n$	$\leq 0.2s$	No tripping	Normal temperature
			$12I_n$	$< 0.2s$	Tripping	

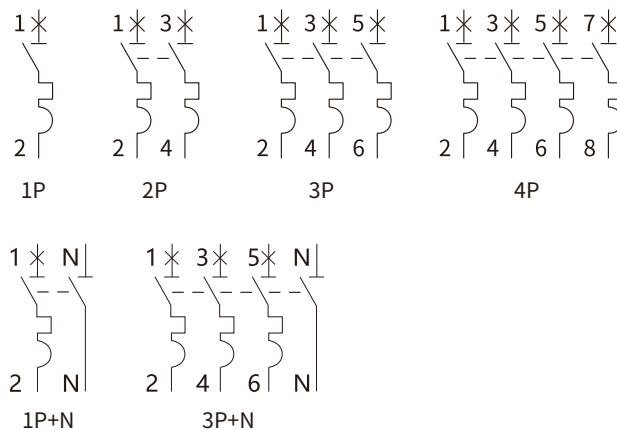


Temperature Derating Table

Rated current (A)	Correction factor for ambient temperature											
	-40°C	-30°C	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C	70°C
1	1.33	1.29	1.25	1.2	1.15	1.11	1.05	1	0.94	0.88	0.82	0.75
2	2.67	2.58	2.49	2.4	2.31	2.21	2.11	2	1.89	1.76	1.63	1.49
3	4	3.9	3.7	3.6	3.5	3.3	3.2	3	2.8	2.6	2.4	2.2
4	5.3	5.2	5	4.8	4.6	4.4	4.2	4	3.8	3.5	3.3	3
5	6.7	6.5	6.31	6.1	5.8	5.5	5.25	5	4.7	4.3	4	3.7
6	8	7.7	7.5	7.2	6.9	6.6	6.3	6	5.7	5.3	4.9	4.5
10	13.3	12.9	12.5	12	11.5	11.1	10.5	10	9.4	8.8	8.2	7.5
16	21.3	20.7	20	19.2	18.5	17.7	16.9	16	15.1	14.1	13.1	11.9
20	26.7	25.8	24.9	24	23.1	22.1	21.1	20	18.9	17.6	16.3	14.9
25	33.3	32.3	31.2	30	28.9	27.6	26.4	25	23.6	22	20.4	18.6
32	42.7	41.3	39.9	38.5	37	35.4	33.7	32	30.2	28.2	26.1	23.9
40	53.3	51.6	49.9	48.1	46.2	44.2	42.2	40	37.7	35.3	32.7	29.8
50	66.7	64.5	62.4	60.1	57.7	55.3	52.7	50	47.1	44.1	40.8	37.3
63	84	81.3	78.6	75.7	72.7	69.6	66.4	63	59.4	55.6	51.4	47
80	106.4	103.2	100	96	92	88.8	84	80	75.2	70.4	65.6	60
100	133	129	125	120	115	111	105	100	94	88	82	75
125	166.3	161.3	156.3	150	143.8	138.8	131.3	125	117.5	110	102.5	93.8

Circuit Diagram

- EKM1-63S
- EKM12-63X
- EKM2-125H
- EKM3-100
- EKM1-63
- EKM2-63
- EKM3-63S
- EKM3-125H
- EKM1-63H
- EKM12-63H
- EKM3-63
- EKM2-63M
- EKM1-125H
- EKM1-125S
- EKM3-63H
- EKM2-125
- EKM1-63X
- DZ47-63S



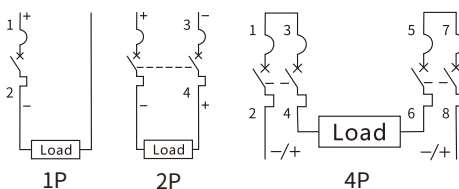
- EKM1-40N



- EKM2-40N



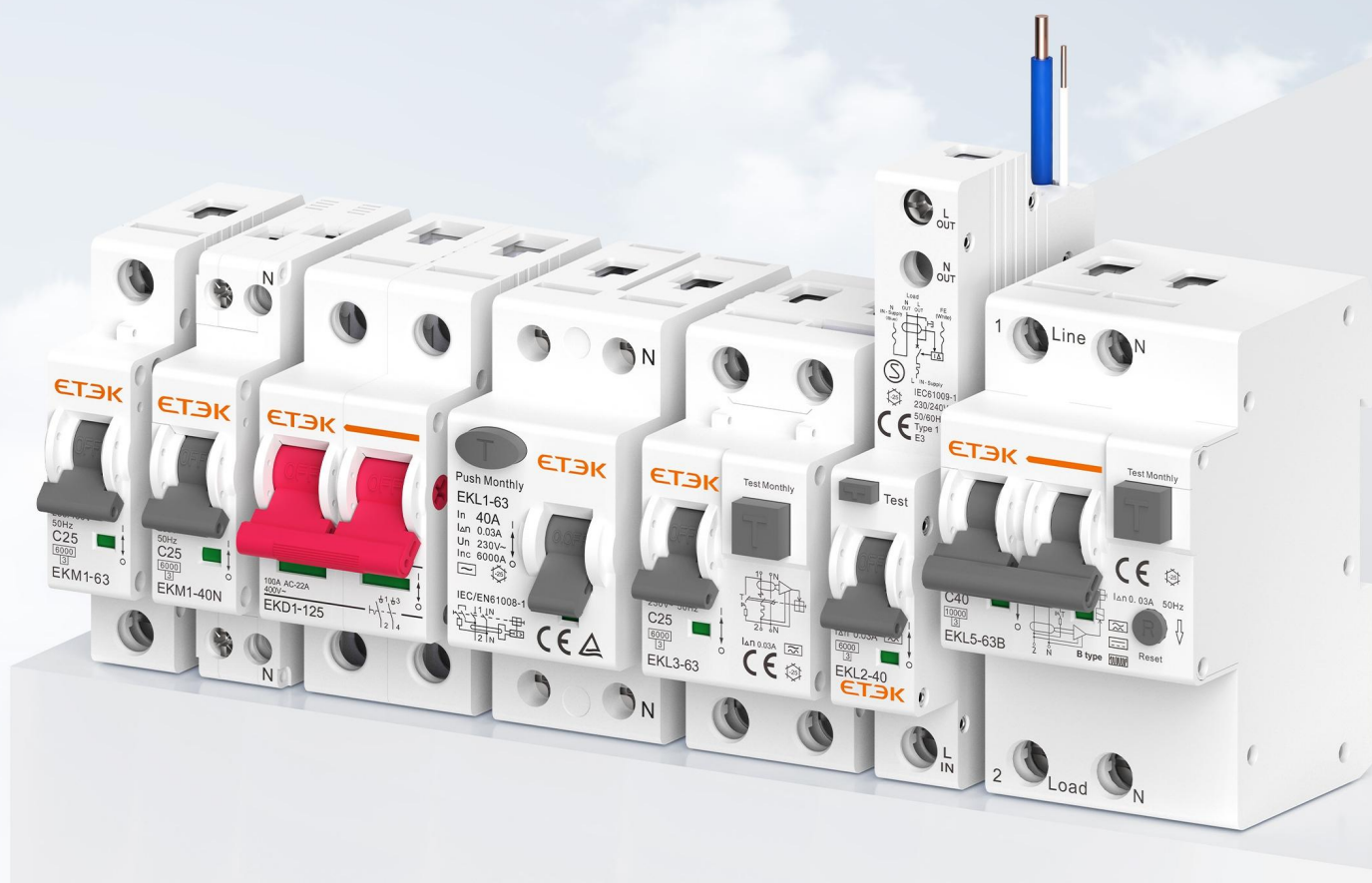
- EKM1-63DC
- EKM1-125DC



Products Overview of Circuit Breakers

Model No.	S1					
	EKL2-40	EKL3-40M	EKL3-63(H)	EKL5-63(H)	EKL5-63B	EKM1L-63(H)P
Width(module)	1	2	2	3(2P),5(4P)	3(2P),5(4P)	1
Breaking Capacity	6kA	6kA	6kA,10kA	6kA,10kA	10kA	6kA,10kA
Rated currents (In)	1-63A	1-63A	1-63A	1-40A	63-125A	1-63A
Protection: Overcurrent and short circuit						
Standard	IEC 61009-1	IEC 61009-1	IEC 61009-1	IEC 61009-1	IEC 61009-1 IEC 62423	IEC 61009-1
No. of poles	1P+N	1P+N	1P+N	1P+N, 3P+N	1P+N, 3P+N	1P+N
Rated voltage (V)	230/240V~	230/240V~	230/240V~	1P+N:230/240V~ 3P+N:400/415V~	1P+N:230/240V~ 3P+N:400/415V~	230/240V~
Tripping curve	B,C	B,C	B,C	B,C,D	B,C,D	B,C
Type	AC,A	AC,A	AC,A	AC,A,S	B	AC,A
Certificate						
Catalogue page No.	28	29	30	31	32	33

Modular S1 Series Circuit Breakers



MCB EKM1-63S 4.5kA



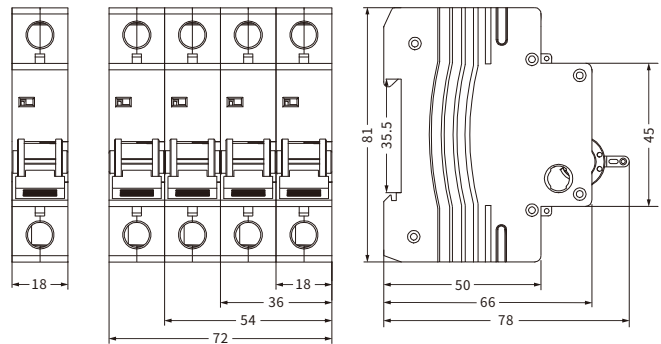
Mini Circuit Breaker ----- Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	4.5kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM1-63 6kA

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Mini Circuit Breaker

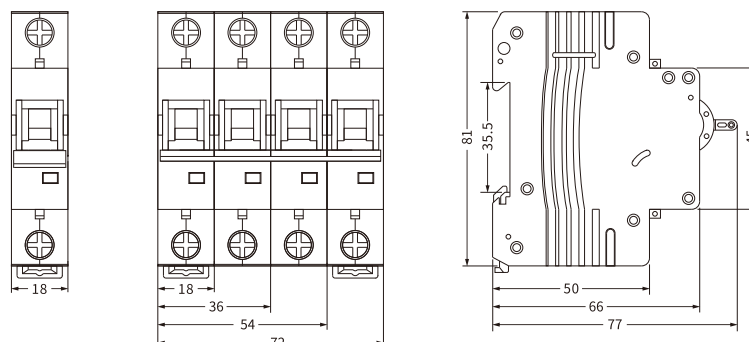
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM1-63H 10kA

ETЭK®

Mini Circuit Breaker

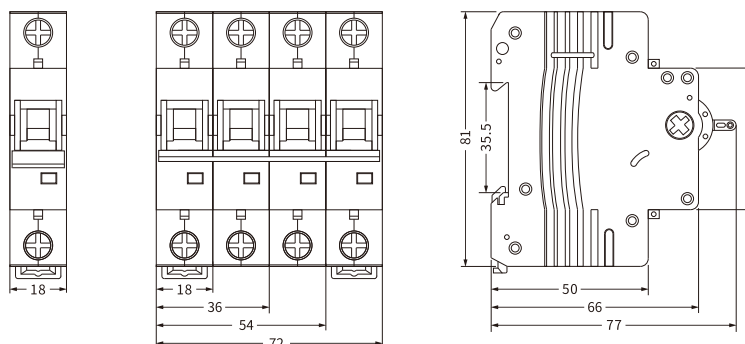
Standard_IEC60898-1



Technical Data

Standard	IEC/EN60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	10kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



Pulg-in MCB EKM1-63(H)P

ETЭK®

Plug-in Miniature Circuit Breaker

Standard IEC60898-1

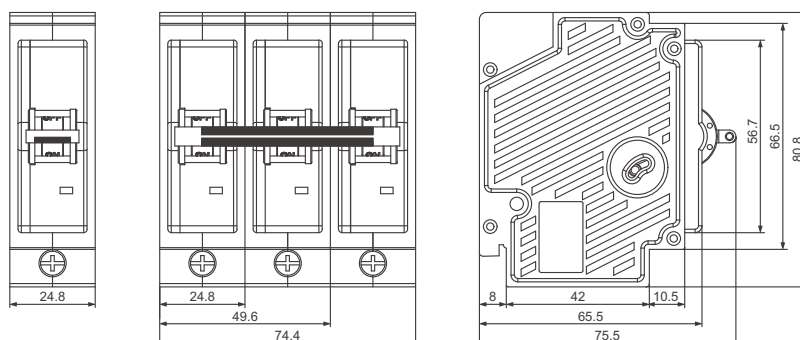


Available in white

Technical Data

Standard	IEC/EN 60898-1
Tripping characteristics	B,C
Rated current range	1,2,3,4,5,6,8,10,13,16,20,25,32,40,50,63A
No. of poles	1P, 2P, 3P
Rated operational voltage (Ue)	Single pole: 240/415VAC; Multi pole: 415VAC
Rated insulation voltage (Ui)	500VAC
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Rated ultimate short-circuit breaking capacity (Icn) at 415V AC	EKM1-63P: 6kA; EKM1-63HP: 10kA
Rated service short-circuit breaking capacity (Ics) at 415V AC	EKM1-63P: 6kA; EKM1-63HP: 7.5kA
Rated frequency	50/60Hz
Suitability for isolation	Yes
Thermal tripping characteristics	$(1.13-1.45) \times I_n$
Instantaneous tripping characteristics	B: $(3-5) \times I_n$, C: $(5-10) \times I_n$
Electrical endurance (Number of operation cycles)	≥ 10000
Energy limiting class	3
Reference ambient air temperature	50°C
Operating temperature range	-5°C to +55°C
Protection degree	For housing: IP40; For terminals: IP20
Terminal capacity	25mm ²
Tightening torque	2.5N.m
Mounting type	Plug-in
Type of termination incoming	Busbar Plug-in
Type of termination outgoing	Cables / Busbar

Overall and Installation Dimension(mm)



MCB EKM1-40N 6kA

ETAK®

Mini Circuit Breaker

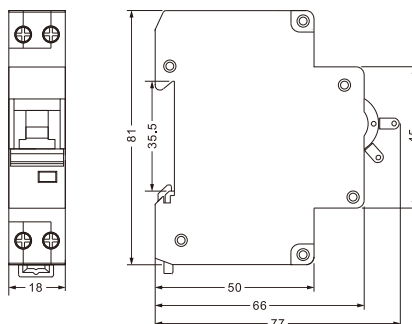
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P+N
Rated voltage (Ue)	230/240V~
Rated currents (In)	6,10,16,20,25,32,40A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	10mm ²
Max. tightening torque	1.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM1-125H 15kA

ETЭK®

Mini Circuit Breaker

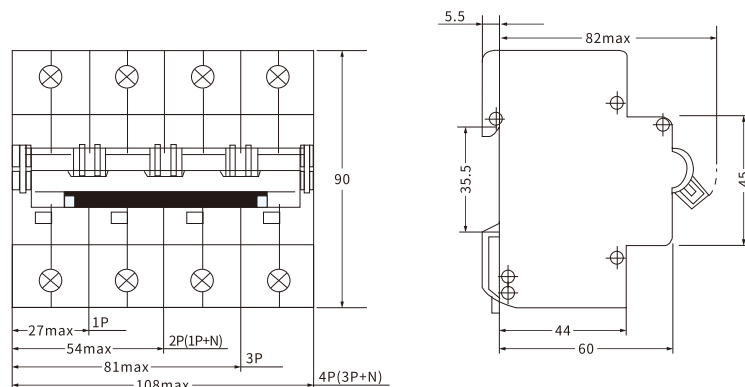
Standard IEC60898-1
IEC60947-2



Technical Data

Standard	IEC/EN 60898-1	IEC/EN 60947-2
Protection	Overcurrent and short circuit	
Type of trip	Thermo-magnetic	
No. of poles	1P,2P,3P,4P,1P+N,3P+N	
Rated voltage (Ue)	240/415V~	
Rated currents (In)	63,80,100,125A	
Rated frequency	50/60Hz	
Rated short-circuit capacity (Icn)	10kA	15kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV	
Dielectric test voltage	2kV (50/60Hz, 1 min.)	
Thermal tripping characteristics	(1.13-1.45) x In	(1.05-1.30) x In
Instantaneous tripping characteristics	C:(5-10) x In, D:(10-20) x In	(8-12) x In
Electrical life	4,000 Cycles	
Mechanical life	10,000 Cycles	
Contact position indicator	green OFF / red ON	
Protection degree	IP20	
Ambient temperature	-5°C to +40°C, Max.95% humidity	
Terminal connection type	Cable/Pin-type busbar	
Max. terminal size for cable	50mm ²	
Max. tightening torque	3.5N.m	
Installation	Mounting on 35mm DIN rail	
Incoming method	Bi-Directional	

Overall and Installation Dimension(mm)



DC MCB EKM1-63DC

ETAK®

Mini Circuit Breaker

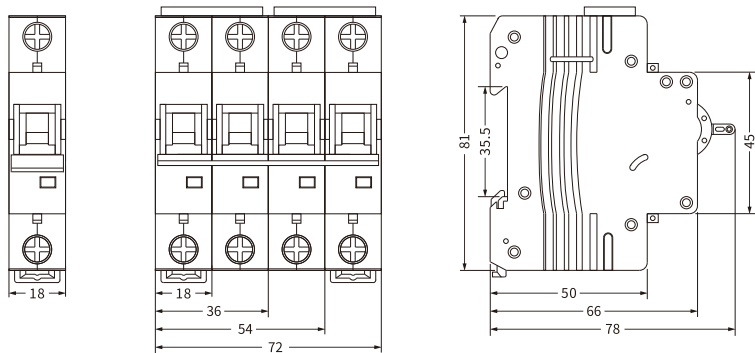
Standard_IEC60947-2



Technical Data

Standard	IEC/EN 60947-2
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,4P
Rated voltage (Ue)	1P(250VDC),2P(500VDC),4P(1000VDC)
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated short-circuit capacity (Icn)	6kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	3kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.05-1.30) x In
Instantaneous tripping characteristics	(8-12) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	According to the wiring diagram

Overall and Installation Dimension(mm)

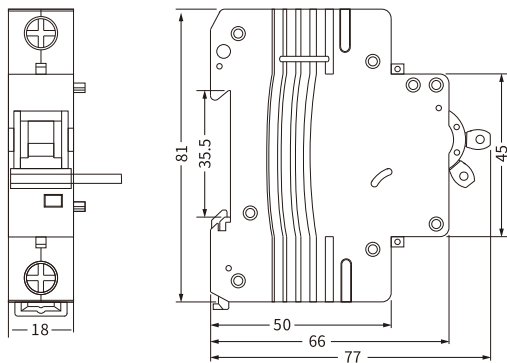




Technical Data

Standard	IEC 60947-5-1
Rated voltage (Us)	AC230/400V 50/60Hz; DC24V DC48V AC24V 50/60Hz
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Rated short circuit making capacity	20Ie, t=0.1s
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Insulation voltage (Ui)	500V
Pollution degree	2
Rated voltage (Ue)	AC230V
Rated insulating voltage (Ui)	500V
Over-voltage tripping range	280V±5%
Under-voltage tripping range	170V±5%
Electrical life	4,000 Cycles
Mechanical life	4,000 Cycles
Protection degree	IP20
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Terminal connection type	Cable
Terminal size top/bottom for cable	2.5mm² 18-13AWG
Tightening torque	0.8 N.m 7In-lbs

Overall and Installation Dimension(mm)



EKM1-OF

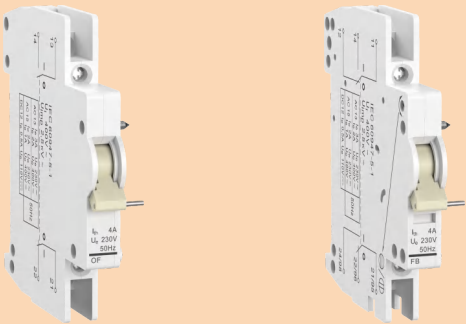
Auxiliary Contact for EKM1,EKL3,
EKM3,EKL13

EKM1-FB

Alarm Auxiliary Contact for EKM1,EKL3
EKM3,EKL13



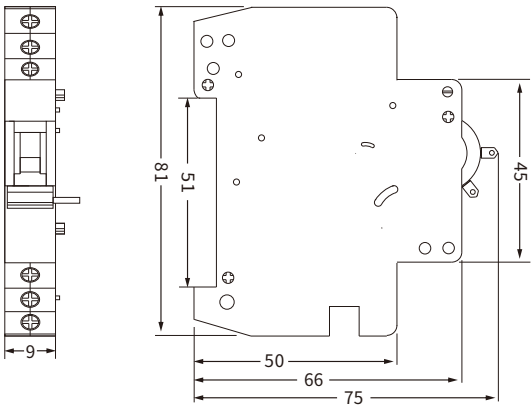
Standard_IEC60947-5-1



Technical Data

Rated value	AC415/400V 50/60Hz 3A
	AC240/400V 50/60Hz 3A
	DC130V 1A
	DC48V 2A
	DC24V 6A
Configurations	EKM1-OF 1NO+1NC
	EKM1-FB 2NO+2NC
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Rated short circuit making capacity	20Ie, t=0.1s
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Insulation voltage (Ui)	500V
Pollution degree	2
Electrical life	6,000 Cycles
Mechanical life	10,000 Cycles
Protection degree	IP20
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Terminal connection type	Cable
Terminal size top/bottom for cable	2.5mm² 18-13AWG
Tightening torque	0.8 N.m 7In-lbs

Overall and Installation Dimension(mm)



Modular S2 Series Circuit Breakers



MCB EKM2-63X 4.5kA

ETAK®

Mini Circuit Breaker

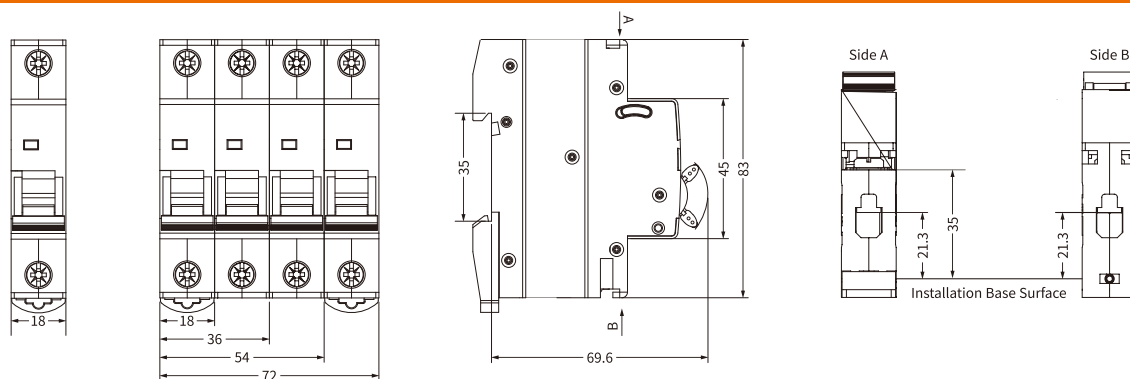
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	4.5kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM2-63 6kA

ETAK®

Mini Circuit Breaker

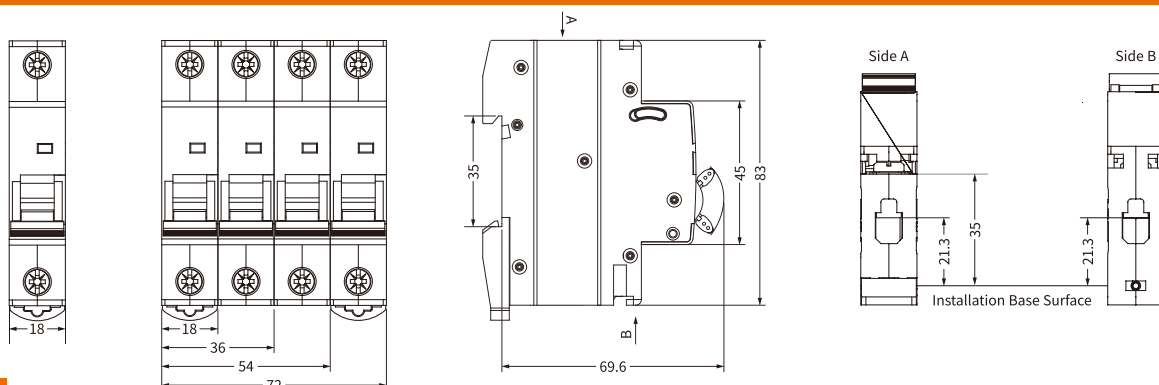
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM12-63H 10kA

ETAK®

Mini Circuit Breaker

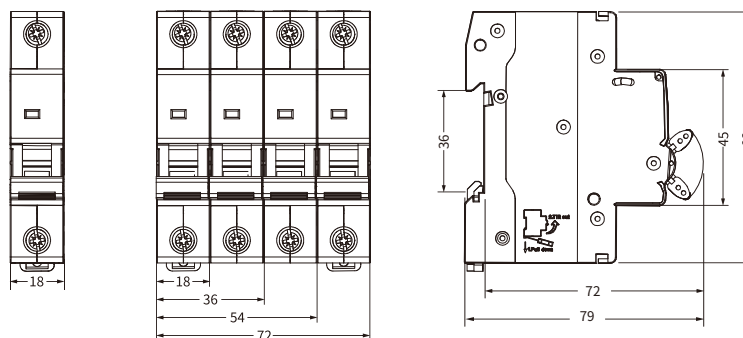
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	10kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Dimension(mm)



MCB EKM2-40N(H)



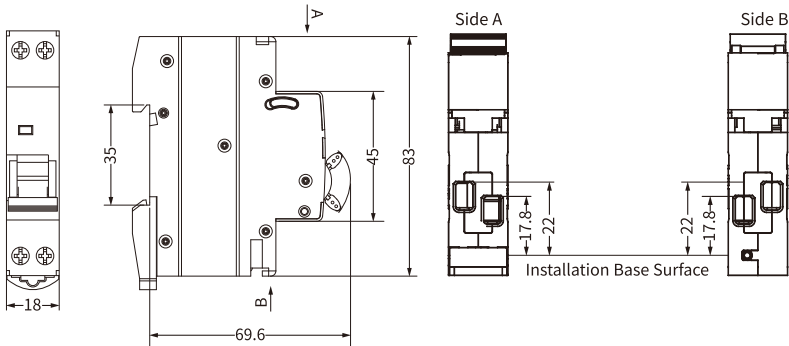
Mini Circuit Breaker ----- Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P+N
Rated voltage (Ue)	230/240V~
Rated currents (In)	6,10,16,20,25,32,40A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	EKM2-40N: 6kA, EKM2-40NH: 10kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	10mm ²
Max. tightening torque	1.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM1-125S 6kA

ETAK®

Mini Circuit Breaker

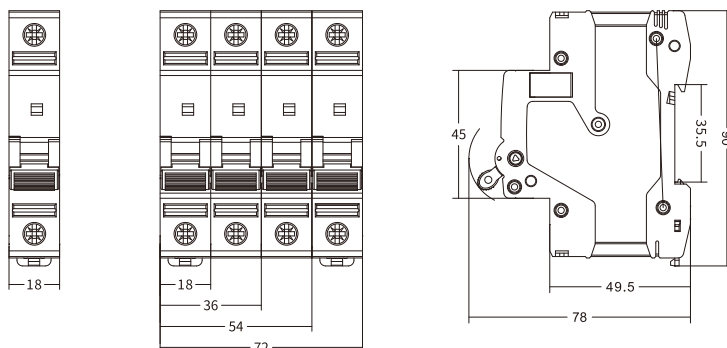
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	63,80,100,125A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Thermo-magnetic release characteristic	C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	50mm ²
Max. tightening torque	3.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM2-125H 10kA

ETAK®

Mini Circuit Breaker

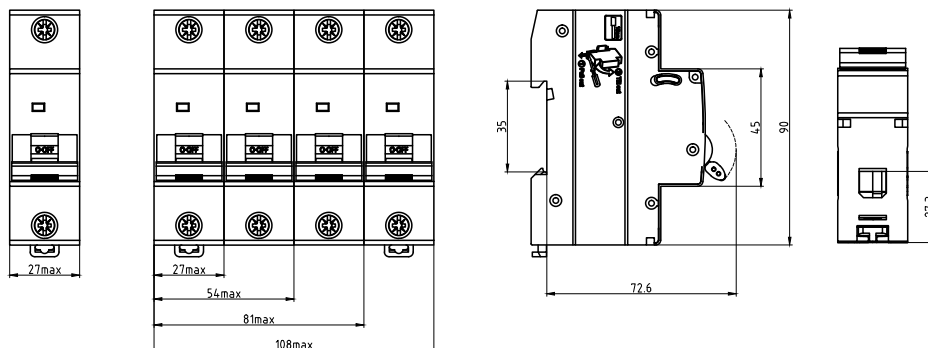
Standard IEC60898-1
IEC60947-2



Technical Data

Standard	IEC/EN 60898-1	IEC/EN 60947-2
Protection	Overcurrent and short circuit	
Type of trip	Thermo-magnetic	
No. of poles	1P,2P,3P,4P,1P+N,3P+N	
Rated voltage (Ue)	240/415V~	
Rated currents (In)	63,80,100,125A	
Rated frequency	50/60Hz	
Rated short-circuit capacity (Icn)	6kA	10kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV	
Dielectric test voltage	2kV (50/60Hz, 1 min.)	
Thermal tripping characteristics	(1.13-1.45) x In	(1.05-1.30) x In
Thermo-magnetic release characteristic	C:(5-10) x In, D:(10-20) x In	(8-12) x In
Electrical life	4,000 Cycles	
Mechanical life	10,000 Cycles	
Contact position indicator	green OFF / red ON	
Protection degree	IP20	
Ambient temperature	-5°C to +40°C, Max.95% humidity	
Terminal connection type	Cable/Pin-type busbar	
Max. terminal size for cable	50mm ²	
Max. tightening torque	3.5N.m	
Installation	Mounting on 35mm DIN rail	
Incoming method	Bi-Directional	

Overall and Installation Dimension(mm)



DC MCB EKM1-125DC 10kA

ETAK®

Mini Circuit Breaker

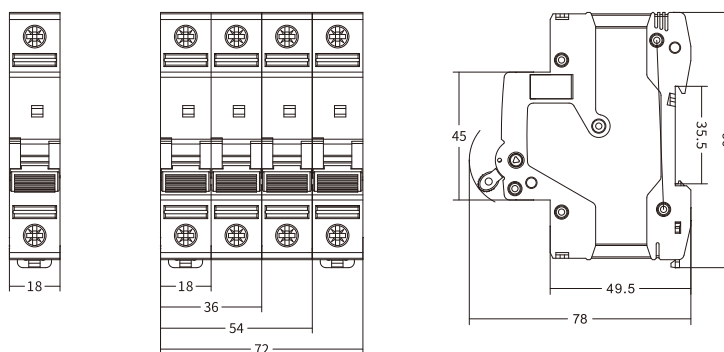
Standard_IEC60947-2



Technical Data

Standard	IEC/EN 60947-2
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,4P
Rated voltage (Ue)	1P(250VDC),2P(500VDC),4P(1000VDC)
Rated currents (In)	80,100,125A
Rated short-circuit capacity (Icn)	10kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	3kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.05-1.30) x In
Instantaneous tripping characteristics	(8-12) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar/Fork-type busbar
Max. terminal size for cable	35mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	According to the wiring diagram

Overall and Installation Dimension(mm)

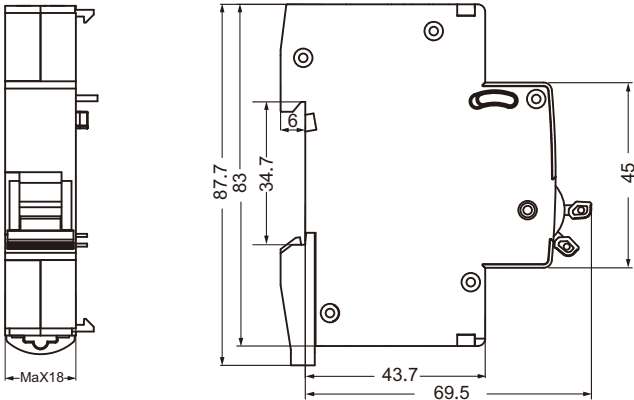




Technical Data

Rated value	AC230V 50/60Hz
	70-35%Ue, reliable operation
	<35%Ue, prevent breaker from making
	85~110%Ue, reliable operation
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Rated insulation voltage (Ui)	500V
Pollution degree	2
Electrical life	4000 Cycles
Mechanical life	4000 Cycles
Protection degree	IP20
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Terminal connection type	Cable
Terminal size top/bottom for cable	2.5mm² 18-14AWG
Tightening torque	0.8 N.m 7In-lbs

Overall and Installation Dimension(mm)

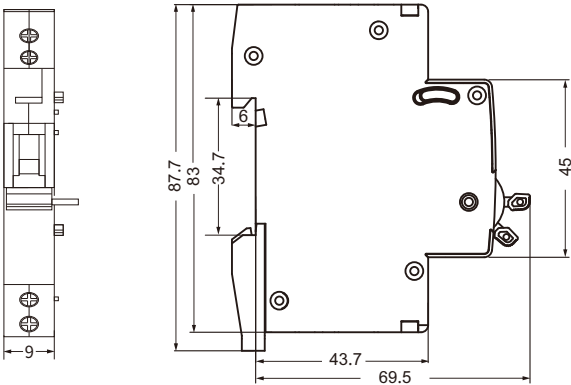




Technical Data

	UN(V)	IN(A)
Rated value	AC 415 50/60Hz	3
	AC 240 50/60Hz	6
	DC130	1
	DC48	2
	DC24	6
Configurations	EKM2-OF 1NO+1NC	
	EKM2-FB 1NO+1NC	
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV	
Dielectric test voltage	2kV (50/60Hz, 1 min.)	
Rated insulation voltage (Ui)	500V	
Pollution degree	2	
Electrical life	6,050 Cycles	
Mechanical life	10,000 Cycles	
Protection degree	IP20	
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C	
Storage temperature	-25°C~+70°C	
Terminal connection type	Cable	
Terminal size top/bottom for cable	2.5mm ² 18-14AWG	
Tightening torque	0.8 N.m 7In-lbs	

Overall and Installation Dimension(mm)

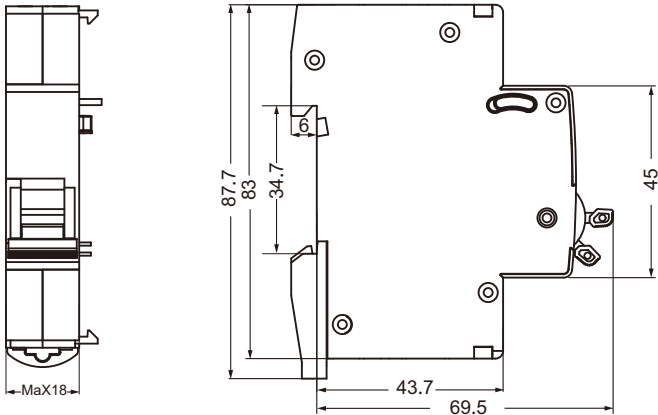




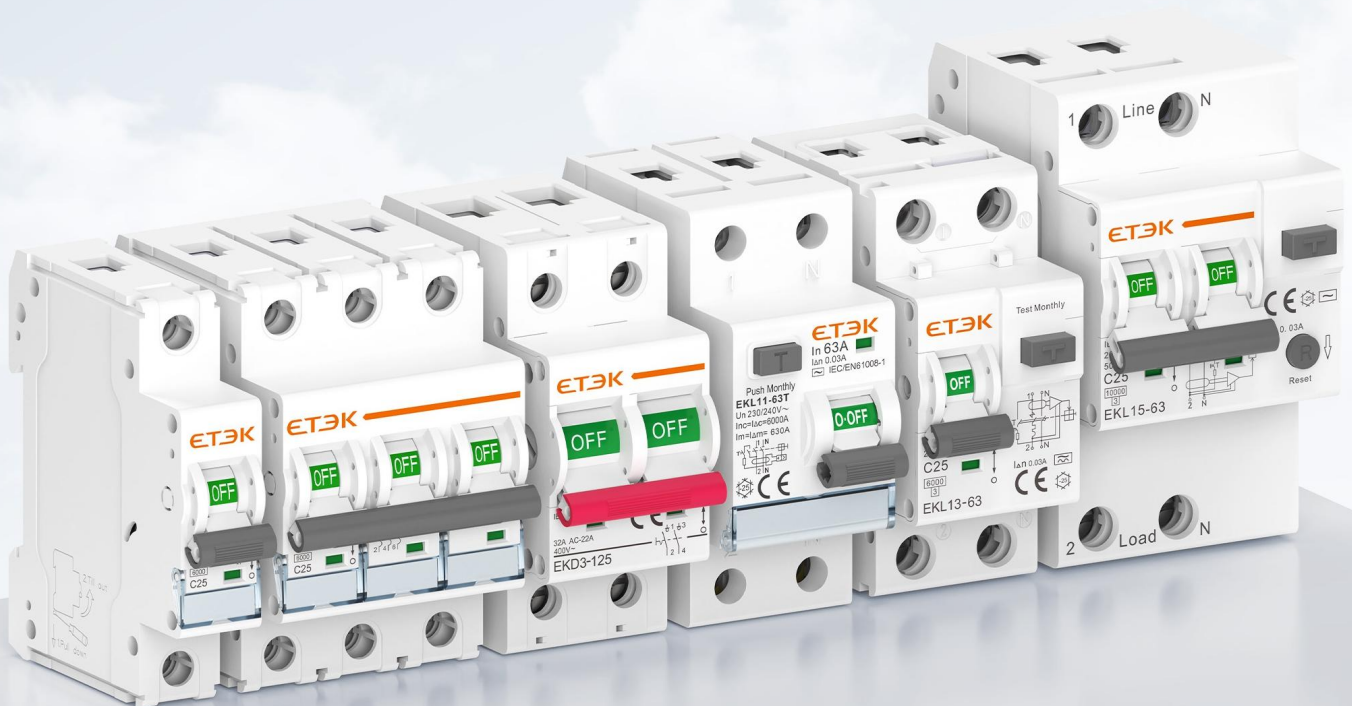
Technical Data

Rated value	AC230V/400V 50/60Hz
	AC/DC24V
	AC/DC48V
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Rated insulation voltage (Ui)	500V
Pollution degree	2
Electrical life	4000 Cycles
Mechanical life	4000 Cycles
Protection degree	IP20
Ambient temperature (with daily average ≤35°C)	-5°C~+40°C
Storage temperature	-25°C~+70°C
Terminal connection type	Cable
Terminal size top/bottom for cable	2.5mm² 18-14AWG
Tightening torque	0.8 N.m 7In-lbs

Overall and Installation Dimension(mm)



Modular S3 Series Circuit Breakers



MCB EKM3-63S 4.5kA

ETAK®

Mini Circuit Breaker

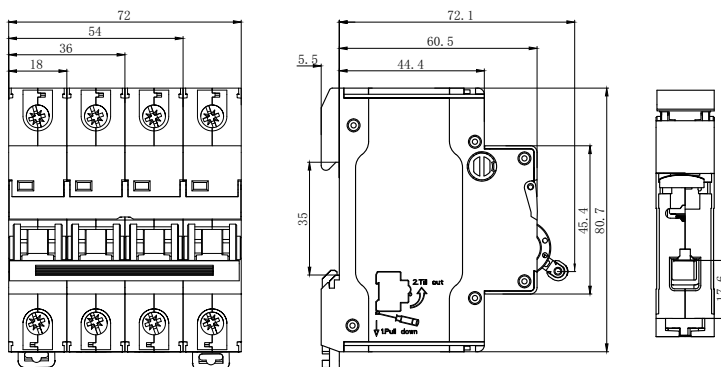
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	4,500A
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM3-63 6kA

ETAK®

Mini Circuit Breaker

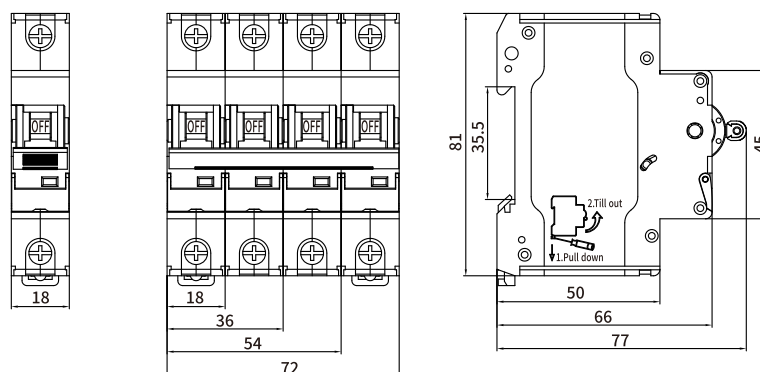
Standard IEC60898-1
IEC60947-2



Technical Data

Standard	IEC/EN 60898-1	IEC/EN 60947-2
Protection	Overcurrent and short circuit	
Type of trip	Thermo-magnetic	
No. of poles	1P,2P,3P,4P,1P+N,3P+N	
Rated voltage (Ue)	240/415V~	
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A	
Rated frequency	50/60Hz	
Rated short-circuit capacity (Icn)	6kA	
Energy limiting class	3	
Rated impulse withstand voltage (Uimp) (1.2/50μs)	6,000V	
Dielectric test voltage	2kV (50/60Hz, 1 min.)	
Thermal tripping characteristics	(1.13-1.45) x In	(1.05-1.30) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In	(8-12) x In
Electrical life	8,000 Cycles	
Mechanical life	20,000 Cycles	
Contact position indicator	green OFF / red ON	
Protection degree	IP20	
Ambient temperature	-5°C to +40°C, Max.95% humidity	
Terminal connection type	Cable/Pin-type busbar	
Max. terminal size for cable	25mm ²	
Max. tightening torque	2.5N.m	
Installation	Mounting on 35mm DIN rail	
Incoming method	Bi-Directional	

Overall and Installation Dimension(mm)



ETAK®

Standard_IEC60898-1



Overall and Installation Dimension(mm)



Pulg-in MCB EKM3-63P 6kA

ETAK®

Plug-in Miniature Circuit Breaker

Standard IEC60898-1

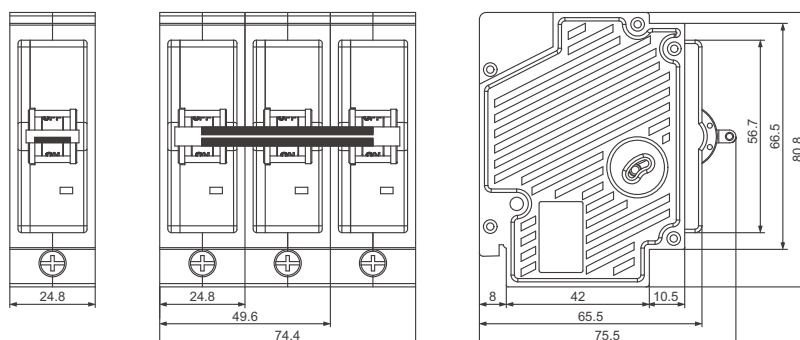


Available in black

Technical Data

Product standard	IEC/EN 60898-1
Tripping characteristics	B,C
Rated current range	1,2,3,4,5,6,8,10,13,16,20,25,32,40,50,63A
Number of poles	1P, 2P, 3P
Rated operational voltage (Ue)	Single pole: 240/415VAC; Multi pole: 415VAC
Rated insulation voltage (Ui)	500VAC
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Rated ultimate short circuit breaking capacity (Icn) at 415V AC	6kA
Rated service short circuit breaking capacity (Ics) at 415V AC	6kA
Rated frequency	50/60Hz
Suitability for isolation	Yes
Thermal tripping characteristics	$(1.13-1.45) \times I_n$
Magnetic tripping characteristics	B: $(3-5) \times I_n$, C: $(5-10) \times I_n$
Electrical endurance (Number of operation cycles)	≥ 10000
Energy limiting class	3
Reference ambient air temperature	50°C
Operating Temperature range	-5°C to +55°C
Protection degree	For Housing: IP40; For Terminals: IP20
Terminal capacity (mm ²)	25
Tightening torque (Nm)	2.5
Mounting type	Plug-in
Type of termination incoming	Busbar Plug-in
Type of termination outgoing	Cables / Busbar

Overall and Installation Dimension(mm)



MCB EKM3-100 6kA

ETЭK®

Mini Circuit Breaker

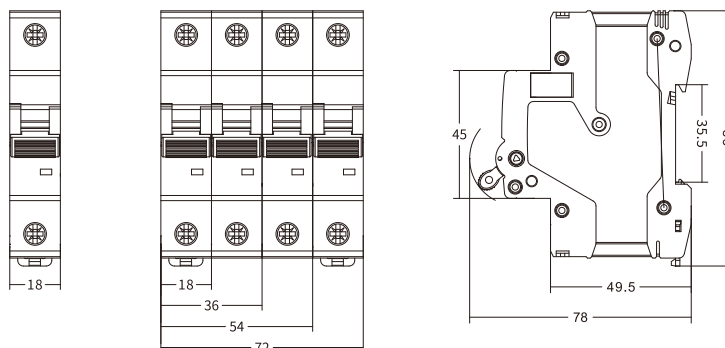
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	80,100A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Thermo-magnetic release characteristic	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	50mm ²
Max. tightening torque	3.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



MCB EKM3-125H 10kA

ETAK®

Mini Circuit Breaker

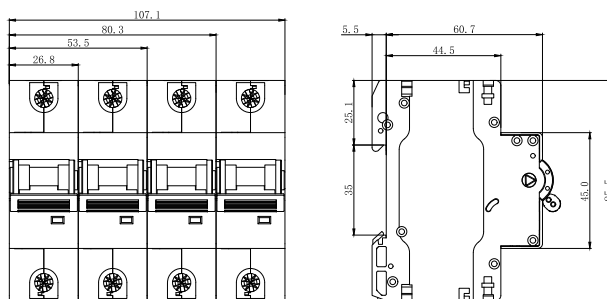
Standard IEC60898-1
IEC60947-2



Technical Data

Standard	IEC/EN 60898-1	IEC/EN 60947-2
Protection	Overcurrent and short circuit	
Type of trip	Thermo-magnetic	
No. of poles	1P,2P,3P,4P,1P+N,3P+N	
Rated voltage (Ue)	240/415V~	
Rated currents (In)	63,80,100,125A	
Rated frequency	50/60Hz	
Rated short-circuit capacity (Icn)	6kA	10kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV	
Dielectric test voltage	2kV (50/60Hz, 1 min.)	
Thermal tripping characteristics	(1.13-1.45) x In	(1.05-1.30) x In
Thermo-magnetic release characteristic	C:(5-10) x In, D:(10-20) x In	(8-12) x In
Electrical life	4,000 Cycles	
Mechanical life	10,000 Cycles	
Contact position indicator	green OFF / red ON	
Protection degree	IP20	
Ambient temperature	-5°C to +40°C, Max.95% humidity	
Terminal connection type	Cable/Pin-type busbar	
Max. terminal size for cable	50mm ²	
Max. tightening torque	3.5N.m	
Installation	Mounting on 35mm DIN rail	
Incoming method	Bi-Directional	

Overall and Installation Dimension(mm)



DZ47-63S Economic Type MCB 4.5KA

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Mini Circuit Breaker

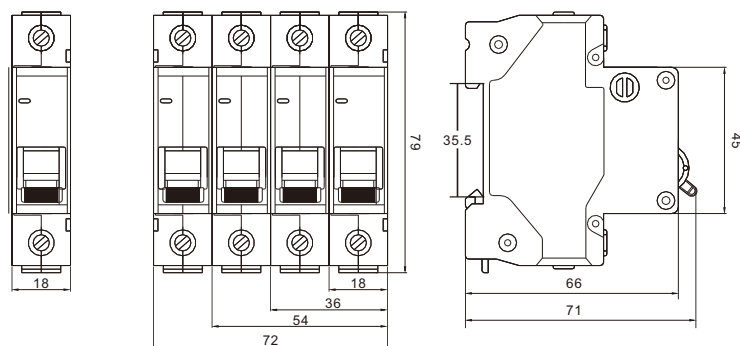
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	4,500A
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Rated insulation voltage (Ui)	500V
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



EKM2-63M Economic Type MCB 4.5KA

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Mini Circuit Breaker

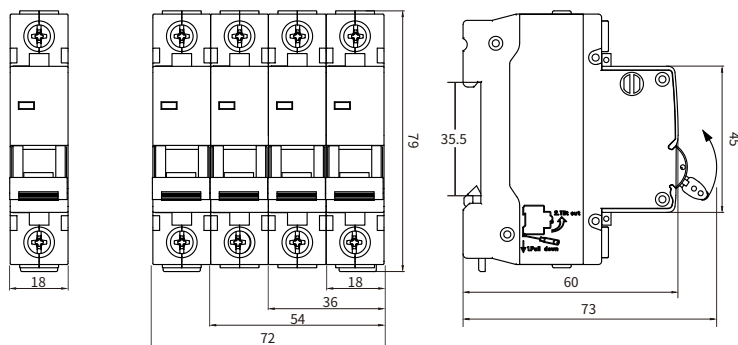
Standard_IEC60898-1



TechnicalData

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,1P+N,2P,3P,3P+N,4P
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	4,500A
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage at Ind. Freq. for 1min	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C Max. 95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

OverallandInstallationDimension(mm)



MCB EKM1-63X 6kA

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Mini Circuit Breaker

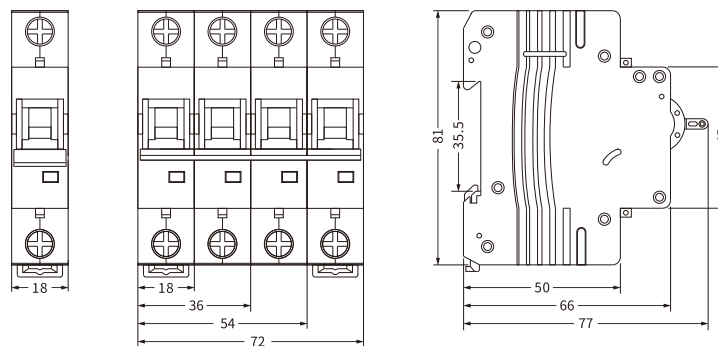
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Energy limiting class	3
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



EKM12-63X Economic Type MCB 6kA

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Mini Circuit Breaker

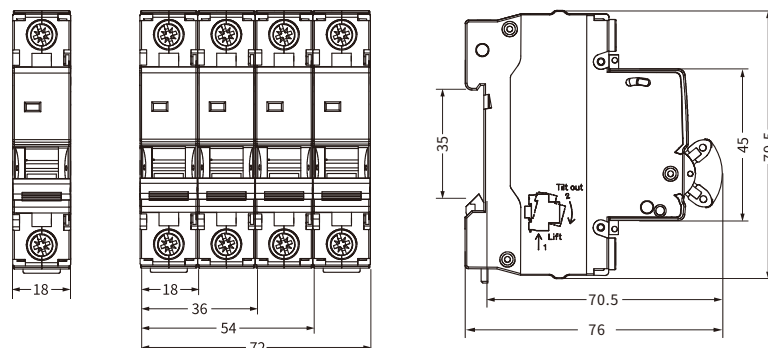
Standard_IEC60898-1



Technical Data

Standard	IEC/EN 60898-1
Protection	Overcurrent and short circuit
Type of trip	Thermo-magnetic
No. of poles	1P,2P,3P,4P,1P+N,3P+N
Rated voltage (Ue)	240/415V~
Rated currents (In)	1,2,3,4,5,6,10,16,20,25,32,40,50,63A
Rated frequency	50/60Hz
Rated short-circuit capacity (Icn)	6kA
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV
Dielectric test voltage	2kV (50/60Hz, 1 min.)
Thermal tripping characteristics	(1.13-1.45) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In, D:(10-20) x In
Electrical life	4,000 Cycles
Mechanical life	10,000 Cycles
Contact position indicator	green OFF / red ON
Protection degree	IP20
Ambient temperature	-5°C to +40°C, Max.95% humidity
Terminal connection type	Cable/Pin-type busbar
Max. terminal size for cable	25mm ²
Max. tightening torque	2.5N.m
Installation	Mounting on 35mm DIN rail
Incoming method	Bi-Directional

Overall and Installation Dimension(mm)



EKM2-125 Economic Type MCB 6kA

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Mini Circuit Breaker

Standard IEC60898-1
IEC60947-2



Technical Data

Standard	IEC/EN 60898-1	IEC/EN60947-2
Type of trip	Thermo-magnetic	
No. of poles	1P,2P,3P,4P,1P+N,3P+N	
Rated voltage (Ue)	240/415V~	
Rated currents (In)	63,80,100,125A	
Rated frequency	50/60Hz	
Rated short-circuit capacity (Icn)	6kA	
Rated impulse withstand voltage (Uimp) (1.2/50μs)	4kV	
Dielectric test voltage	2kV (50/60Hz, 1 min.)	
Rated insulation voltage (Ui)	500V	
Thermal tripping characteristics	(1.13-1.45) x In	(1.05-1.30) x In
Instantaneous tripping characteristics	B:(3-5) x In, C:(5-10) x In	(8-12) x In
Electrical life	4,000 Cycles	
Mechanical life	10,000 Cycles	
Contact position indicator	green OFF / red ON	
Protection degree	IP20	
Ambient temperature	-5°C to +40°C, Max.95% humidity	
Terminal connection type	Cable/Pin-type busbar	
Max. terminal size for cable	50mm ²	
Max. tightening torque	3.5N.m	
Installation	Mounting on 35mm DIN rail	
Incoming method	Bi-Directional	

Overall and Installation Dimension(mm)

