



Polycrome®

Light the future



SWITCHGEAR

MADE IN SRI LANKA

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6kA RCCB – AC TYPE

Leakage protection; Suitable for industrial, commercial, and residential installations.

► Product Features

- Standard: IEC/EN61008-1
- Designed for both fork and pin busbar wiring configurations
- Special indicator for leakage fault identification
- Maximum wiring capacity 35mm²
- Electromagnetic protection type

► Waveform & Protection Range

Description of waveform	Waveform	Protection range
Sine AC	~	0.5- $I_{\Delta n}$

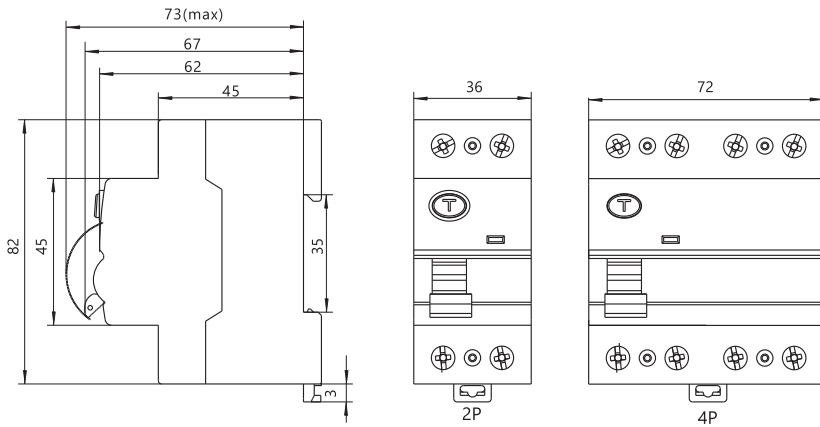
► Technical Specifications

Residual current action type			AC
Rated Current	I_n	A	40, 63
Poles			2P, 4P
Rated Operational Voltage	U_n	V	240/415V
Nominal Insulation Voltage	U_i	V	500
Working Frequency		Hz	50/60
Rated residual action current	$I_{\Delta n}$	mA	30, 100, 300
Rated impact tolerance voltage	U_{imp}	V	4000
1 min dielectric voltage		V	2000
Rated limit short circuit current	I_{nc}	kA	6
Rated limit Remaining short circuit current	$I_{\Delta c}$	kA	6
Rated on and off capacity	I_m	A	500A(254,40A), or 101n($\geq 63A$)
Rated residual making and breaking capacity	$I_{\Delta m}$	A	500A(25A,40A), or 10In($\geq 63A$)

▶ Residual Leakage Current Breaking Time

Rated current I_n (A)	Rated residual action current $I_{\Delta n}$ (mA)	Residual current breaking time (s)		
		$I_{\Delta n}$	$2I_{\Delta n}$	$5I_{\Delta n}$
40、63	30、100、300	0.1	0.08	0.04

▶ Overall & Installation Dimensions



Product Range
RCCB 2 Pole 40A 30mA (AC) (6K)
RCCB 2 Pole 63A 30mA (AC) (6K)
RCCB 2 Pole 40A 100mA (AC) (6K)
RCCB 2 Pole 63A 100mA (AC) (6K)
RCCB 4 Pole 40A 30mA (AC) (6K)
RCCB 4 Pole 63A 30mA (AC) (6K)
RCCB 4 Pole 40A 100mA (AC) (6K)
RCCB 4 Pole 63A 100mA (AC) (6K)
RCCB 4 Pole 40A 300mA (AC) (6K)
RCCB 4 Pole 63A 300mA (AC) (6K)



6kA RCCB-B TYPE

Leakage protection; Suitable for industrial, commercial and residential installations.

Product Features

- The product ensures reliable action for sinusoidal AC residual current, pulsed DC residual current, AC residual sinusoidal current (up to 1000Hz), pulsed DC residual current, and smooth DC residual current (whether applied suddenly or slowly increasing).
- Standard: IEC62423, IEC61008.1
- Designed for both fork and pin busbar wiring configurations
- Features leakage fault indication
- Electromagnetic protection type

Waveform & Protection Range

Description of waveform	Waveform	Protection range
Sine AC		0.5-1Δn
Pulsating DC		0.35-1.4 IΔn
High frequency (up to 1kHz)		150Hz, 0.5-2.4 IΔn
		400Hz, 0.5-6 IΔn
		1000Hz, 1-14 IΔn
Two phase full wave rectification		0.5-2 IΔn
Three phase full wave recifier		0.5-2 IΔn
Smooth direct current		0.5-2 IΔn

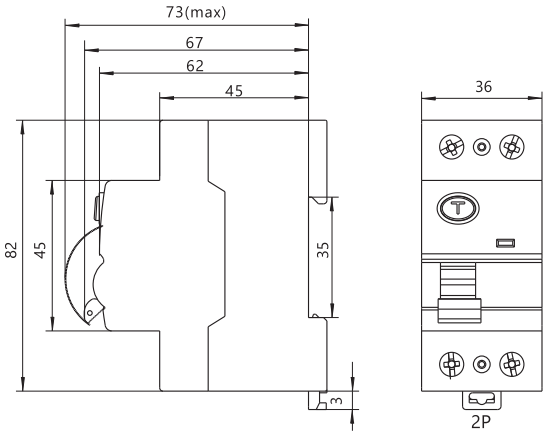
Technical Specifications

Residual current action type			B
Rated Current	In	A	40
Poles			2P、4P
Rated Operational Voltage	Un	V	240/415V
Nominal Insulation Voltage	Ui	V	500
Working Frequency		Hz	50/60
Rated residual non-action current	IΔn0	mA	0.5 IΔn
Rated residual action current	IΔn	mA	30、100、300
Direct current flow as sensitivity	IΔndc	mA	0.5-2 IΔn
Rated impact tolerance voltage	Uimp	V	4000
1 min dielectric voltage		V	2000
Rated limit short circuit current	Isc	A	6
Rated limit Remaining short circuit current	IΔc	A	6
Rated on and off capacity	Im	A	500A(25A,40A),or 10In(≥63A)
Rated residual making and breaking capacity	IΔm	A	500A(25A,40A),or 10In(≥63A)

▶ Residual Leakage Current Breaking Time

Rated current In(A)	Rated residual action current I Δ n(mA)	Residual current breaking time (s)		
		I Δ n	2I Δ n	5I Δ n
40	30、100、 300	0.1	0.08	0.04

▶ Overall & Installation Dimensions



Prodcut Range
RCCB 2 Pole 40A 30mA (B) (6K)



6kA Miniature Circuit Breaker

Overload, short circuit, isolation; Circuit breaker is suitable for industrial, commercial, and residential installations

▶ Product Features

- ▶ Standard: IEC/EN60898-1
- ▶ Double and single busbar wiring functions
- ▶ Designed for both fork and pin busbar wiring configurations
- ▶ Electromagnetic protection type
- ▶ Contact position indication function
- ▶ Maximum wiring capacity 25mm²

▶ Technical Specifications

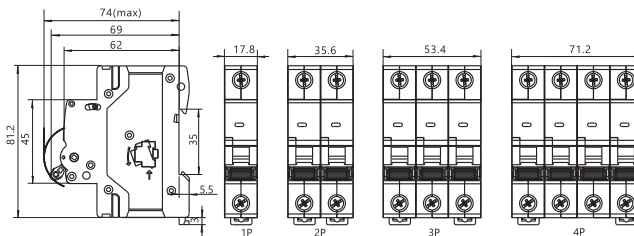
- ✔ Rated Current (In) : 6, 10, 16, 20, 25, 32, 40, 50, 63A
- ✔ Rated Voltage (Ue) : 1P:240/415V~;2P-4P:415V of 1P:240/415V~;2P:415V
- ✔ Working Frequency: 50/60Hz
- ✔ Tripping Curves: C
- ✔ Breaking Capacity: 6kA
- ✔ Poles: 1P, 2P
- ✔ Mechanical Life: 10000 times
- ✔ Electrical Life: 6000 times

▶ Temperature Compensation

When the ambient temperature is not the baseline temperature of 30°C, the reference current correction factors as follows :

Ambient Temperature	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
Current Correction Factor	1.25	1.2	1.15	1.10	1.05	1.00	0.95	0.90	0.85

▶ Overall & Installation Dimensions



Product Range
MCB 1 Pole 6A (6K)
MCB 1 Pole 10A (6K)
MCB 1 Pole 16A (6K)
MCB 1 Pole 20A (6K)
MCB 1 Pole 32A (6K)
MCB 1 Pole 40A (6K)
MCB 2 Pole 10A (6K)
MCB 2 Pole 16A (6K)
MCB 2 Pole 20A (6K)
MCB 2 Pole 32A (6K)
MCB 2 Pole 40A (6K)



10kA PLATINUM Miniature Circuit Breaker

Overload, short circuit, isolation; Circuit breaker is suitable for environments where higher short-circuit currents are expected such as industrial plants & high-power distribution panels

▶ Product Features

- Standard: IEC/EN60898-1
- Double and single busbar wiring functions
- Built-in transparent label slot for identification purposes
- Contact position indication function
- Maximum wiring capacity 25mm²
- Electromagnetic protection type
- Designed for both fork and pin busbar wiring configurations

▶ Technical Specifications

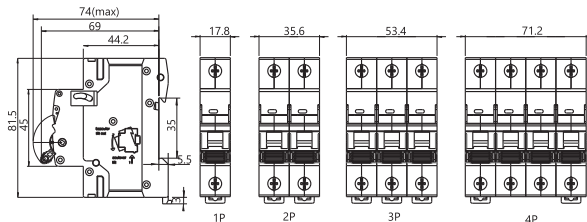
- ✔ Rated Current(In): 6, 10, 16, 20, 25, 32, 40, 50, 63A
- ✔ Rated Voltage(Ue) 1P:240/415V~;2P-4P:415V
- ✔ Working Frequency: 50/60Hz
- ✔ Tripping Curves: C
- ✔ Breaking Capacity: 10kA
- ✔ Poles: 2P, 3P, 4P
- ✔ Mechanical Life: 20000 times
- ✔ Electrical Life: 6000 times

▶ Temperature Compensation

When the ambient temperature is not the baseline temperature of 30°C, the reference current correction factors as follows :

Ambient Temperature	-20°C	-10°C	0°C	10°C	20°C	30°C	40°C	50°C	60°C
Current Correction Factor	1.25	1.2	1.15	1.10	1.05	1.00	0.95	0.90	0.85

▶ Overall & Installation Dimensions



Product Range

MCB 2 Pole 63A (10K)
MCB 3 Pole 6A (10K)
MCB 3 Pole 10A (10K)
MCB 3 Pole 16A (10K)
MCB 3 Pole 20A (10K)
MCB 3 Pole 32A (10K)
MCB 3 Pole 40A (10K)
MCB 3 Pole 63A (10K)
MCB 4 Pole 10A (10K)
MCB 4 Pole 16A (10K)
MCB 4 Pole 20A (10K)
MCB 4 Pole 32A (10K)
MCB 4 Pole 40A (10K)
MCB 4 Pole 63A (10K)



6kA ISOLATOR

Isolation: Suitable for use as a main switch
or for isolating sub-distribution systems

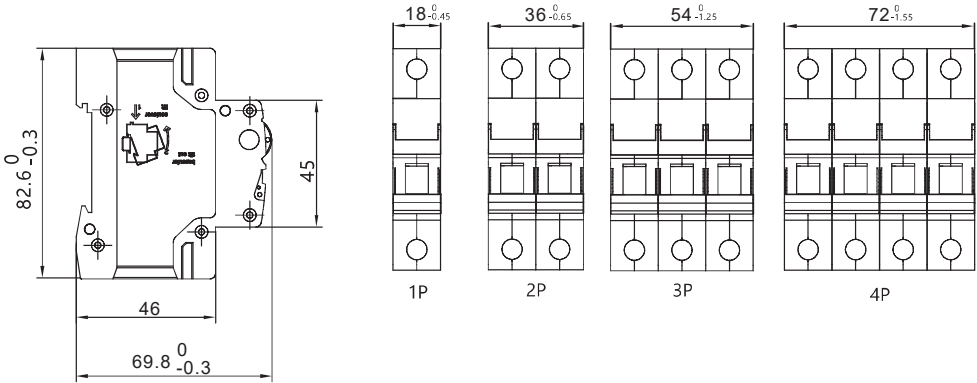
Product Features

- Standard: IEC 60947-3 and CE certified
- Compatible with single-phase and three-phase AC systems (50/60 Hz)
- Designed for both fork and pin busbar wiring configurations
- Built-in transparent label slot for identification purposes
- Contact position indication function
- Maximum wiring capacity 50mm²

Technical Specifications

- | | |
|--|---|
| ➤ Rated Current (In) | : 40 , 63 A |
| ➤ Rated Voltage (Ue) | : 240/415V |
| ➤ Rated Insulation Voltage (Ui) | : 690V |
| ➤ Working Frequency | : 50/60Hz |
| ➤ Poles | : 2P , 4P |
| ➤ Dielectric Test Voltage | : 2000V/1min |
| ➤ Rated Impulse Withstand Voltage (Uimp) | : 6kV |
| ➤ Rated Short-time Making Capacity (Icm) | : 20le/1s |
| ➤ Rated Short-time Withstand Current (Icw) | : 12le/1s |
| ➤ Utilization Category | : AC-22A |
| ➤ Mechanical Life | : 20000 |
| ➤ Electrical Life | : 2500 (below 63A) 1500 (63A and above) |
| ➤ IP Rating | : IP20 |
| ➤ Reference Temperature for Setting of Thermal Element | : 30°C |
| ➤ Ambient Temperature | : -25°C ~ +60 °C |
| ➤ Storage Temperature | : -25°C ~ +70 °C |

Overall & Installation Dimensions



Product Range

ISOLATOR 2 pole 40A (6K)
ISOLATOR 2 Pole 63A (6K)
ISOLATOR 4 Pole 40A (6K)
ISOLATOR 4 pole 63A (6K)



6kA RCCB - AC TYPE



6kA RCCB - B TYPE



6kA - MCB



10kA - PLATINUM MCB



6kA ISOLATOR



MADE IN SRI LANKA

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Light the future

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