

# Designing Energy Distribution Innovation



 **EVERNEW®**



## **DIN-RAIL TYPE METALCLAD DISTRIBUTION BOARDS**

EVERNEW Range of Metalclad Distribution Boards are design to suit our clients which are used in various industries. The Din-Rail system offers flexibility with the arrangement of components and space of future expansion. Our unit makes use of premium quality raw material and state-of-the-art tools in our production process to provide amazing quality and durability to our components. Our range of distribution boards is available in customized specifications as per the client's requirements.

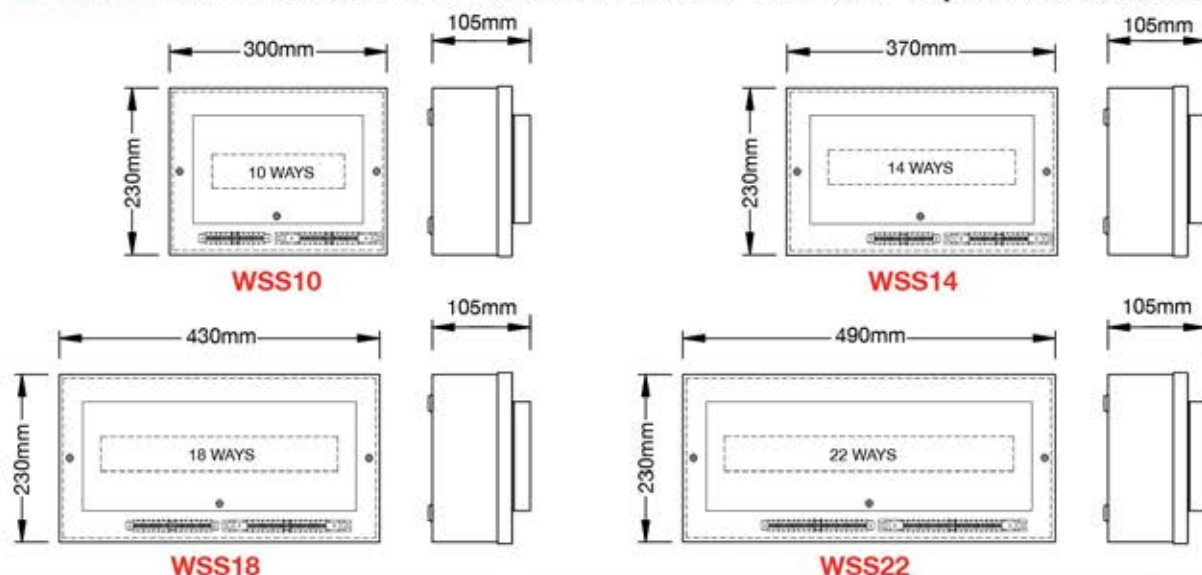


## 'S' Size Metalclad Enclosures (Din-Rail Type)

MODEL NO.	DESCRIPTIONS	DIMENSION 'MM'		
		W	H	D
WSS 10	1 row 10 ways	300	230	105
WSS 14	1 row 14 ways	370	230	105
WSS 18	1 row 18 ways	430	230	105
WSS 22	1 row 22 ways	490	230	105



## 'S' Size Metalclad DB Enclosures (Din-Rail Type) Layout & Dimensions

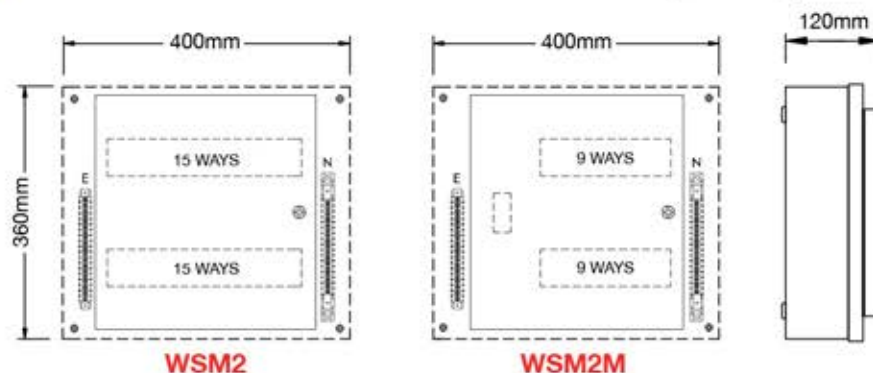


## 'M' Size Metalclad Enclosures (Din-Rail Type)

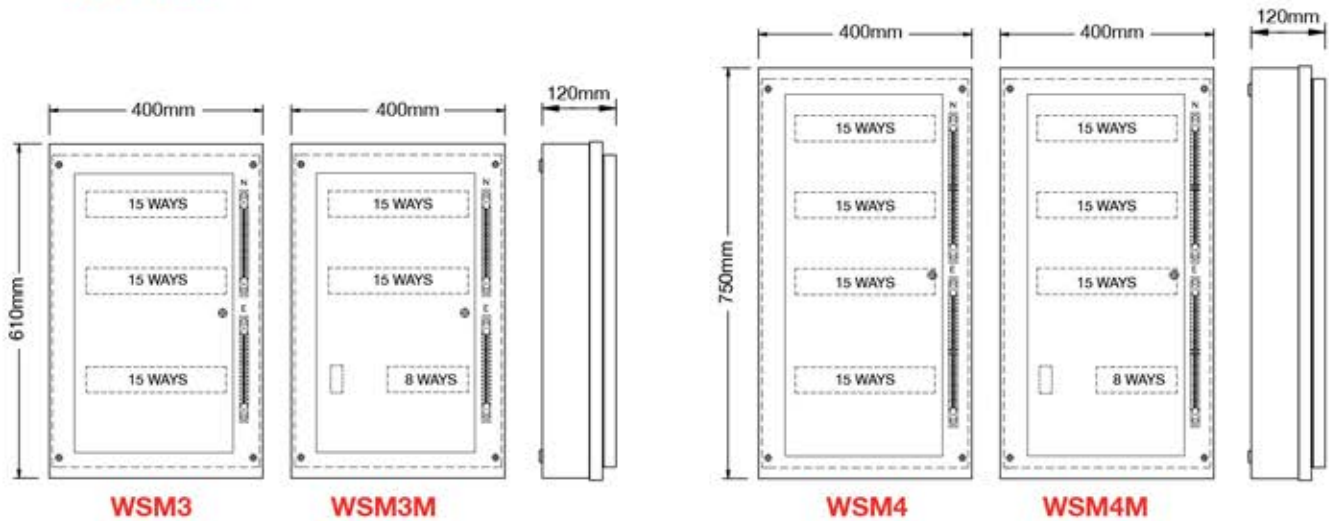
MODEL NO.	DESCRIPTIONS	DIMENSION 'MM'		
		W	H	D
WSM 2	2 row 30 ways	400	360	120
WSM 2M	2 row 18 ways	400	360	120
WSM 3	3 row 45 ways	400	610	120
WSM 3M	3 row 38 ways	400	610	120
WSM 4	4 row 60 ways	400	750	120
WSM 4M	4 row 53 ways	400	750	120



## 'M' Size Metalclad DB Enclosures (Din-Rail Type) Layout & Dimensions



## 'M' Size Metalclad DB Enclosures (Din-Rail Type) Layout & Dimensions

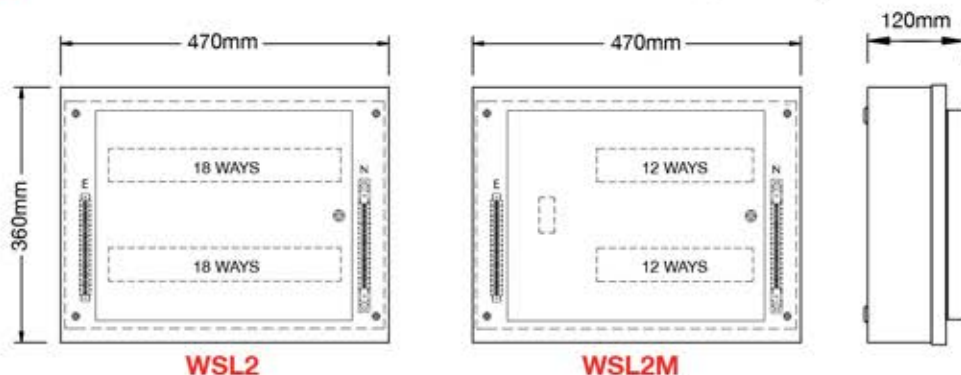


## 'L' Size Metalclad Enclosures (Din-Rail Type)

MODEL NO.	DESCRIPTIONS	DIMENSION 'MM'		
		W	H	D
WSL 2	2 row 36 ways	470	360	120
WSL 2M	2 row 24 ways	470	360	120
WSL 3	3 row 54 ways	470	610	120
WSL 3M	3 row 46 ways	470	610	120
WSL 4	4 row 72 ways	470	750	120
WSL 4M	4 row 64 ways	470	750	120
WSL 5	5 row 90 ways	470	890	120
WSL 5M	5 row 82 ways	470	890	120



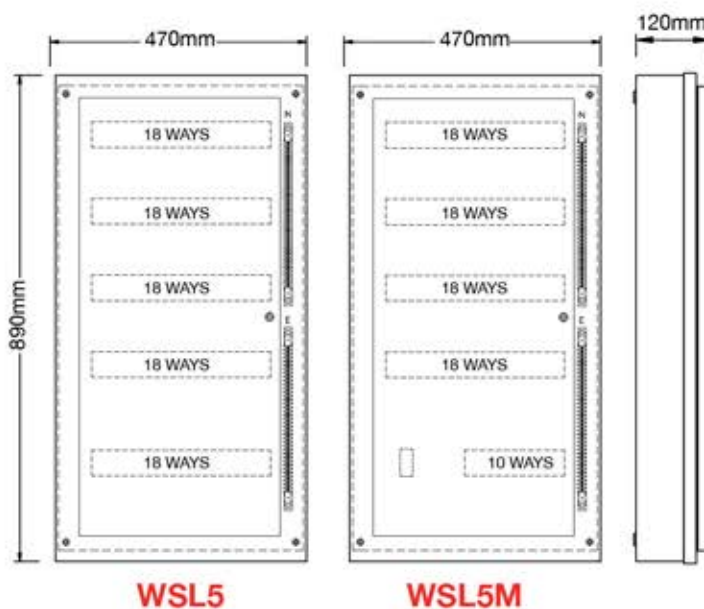
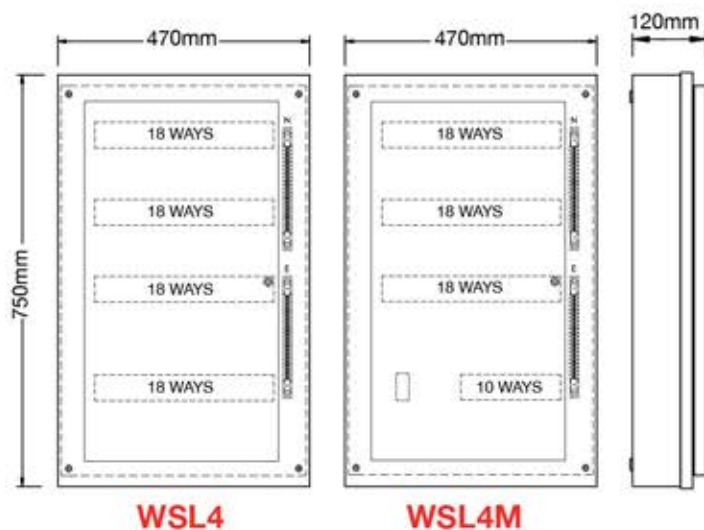
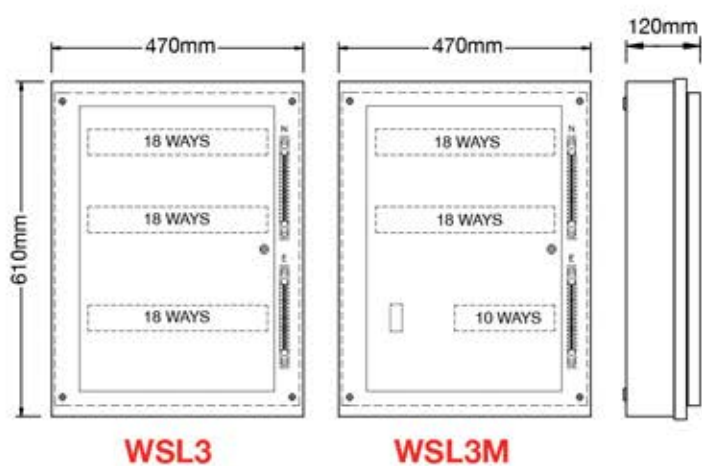
## 'L' Size Metalclad DB Enclosures (Din-Rail Type) Layout & Dimensions





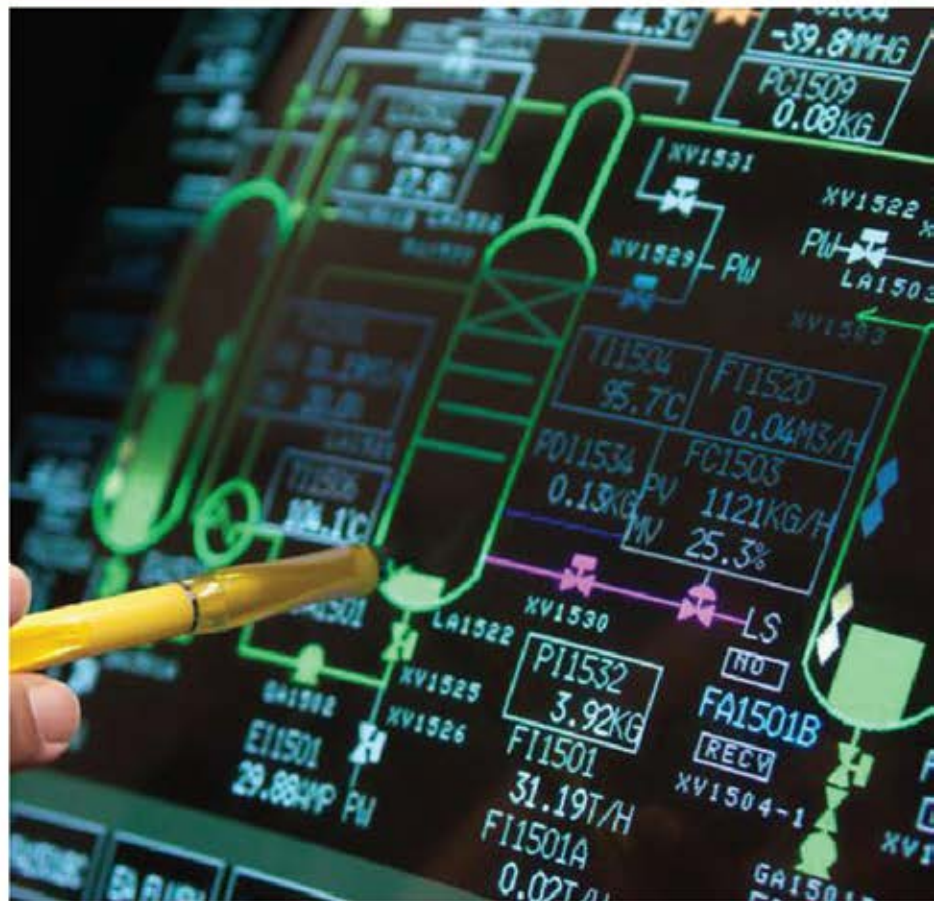


## 'L' Size Metalclad DB Enclosures (Din-Rail Type) Layout & Dimensions





# Designing Energy Distribution Innovation



 **EVERNEW®**



## **MOULDED CASE CIRCUIT BREAKER**

Mainly used for distribution power, protecting circuits and power supply equipment against overload and short circuit protection.



## MOULDED CASE CIRCUIT BREAKER

# EN-MU0063

IEC 60947-2  
EN 60947-2

### Applications



### Approval / Marking

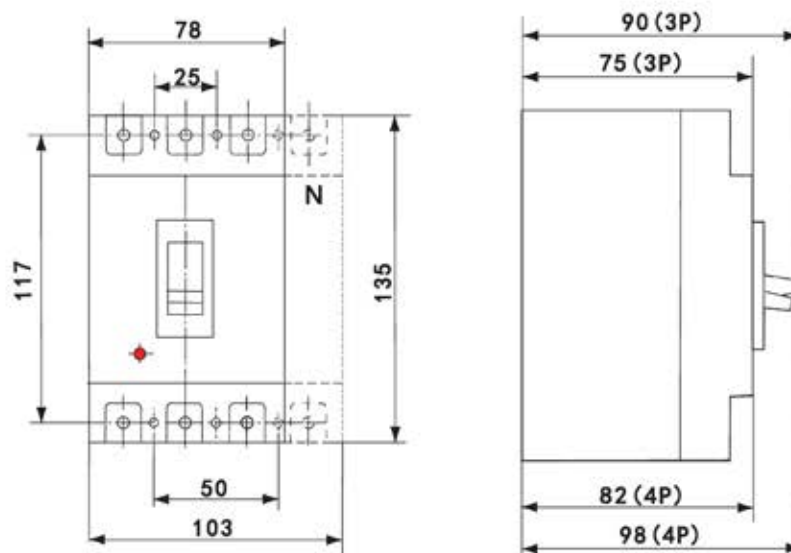


### Technical Data

Number of Pole:	3P,4P
Rated voltage(Ue):	415V
Rated current(In):	16,20,25,32,40,50,63A
Rated isolating voltage(Ui):	690V
Rated impulse withstand voltage(Uimp):	6000V
Mechanical endurance:	8000cycles
Electric endurance:	1500cycles
Connection:	Terminal Screw
Rated limit short-circuit breaking capacity(Icu):	26kA
Rated operating short-circuit breaking capacity(Ics):	18kA
Standards:	IEC60947-2, EN60947-2
Weight:	897g

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)





## MOULDED CASE CIRCUIT BREAKER

# EN-MU0100

IEC 60947-2  
EN 60947-2

### Applications

### Approval / Marking

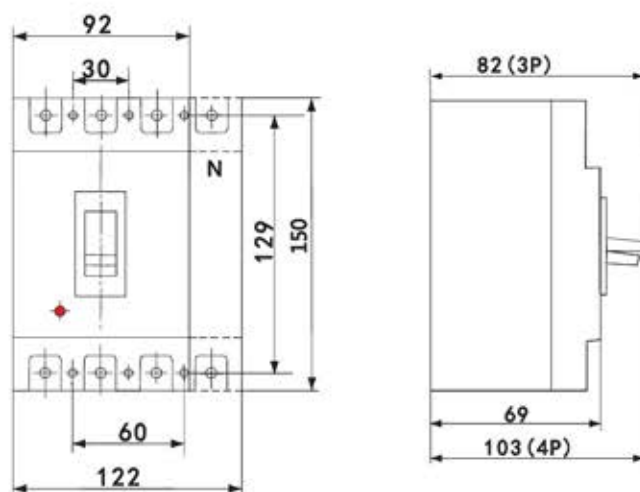


### Technical Data

Number of pole:	3P,4P
Rated voltage(Ue):	415V
Rated current(In):	16,20,25,32,40,50,63,80,100A
Rated isolating voltage(Ui):	690V
Rated impulse withstand voltage(Uimp):	6000V
Mechanical endurance:	8000cycles
Electric endurance:	1500cycles
Connection:	Terminal Screw
Rated limit short-circuit breaking capacity(Icu):	35kA
Rated operating short-circuit breaking capacity(Ics):	26kA
Standards:	IEC60947-2, EN60947-2
Weight:	1265g

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)





## MOULDED CASE CIRCUIT BREAKER

# EN-MU0225

IEC 60947-2  
EN 60947-2

### Applications



### Approval / Marking

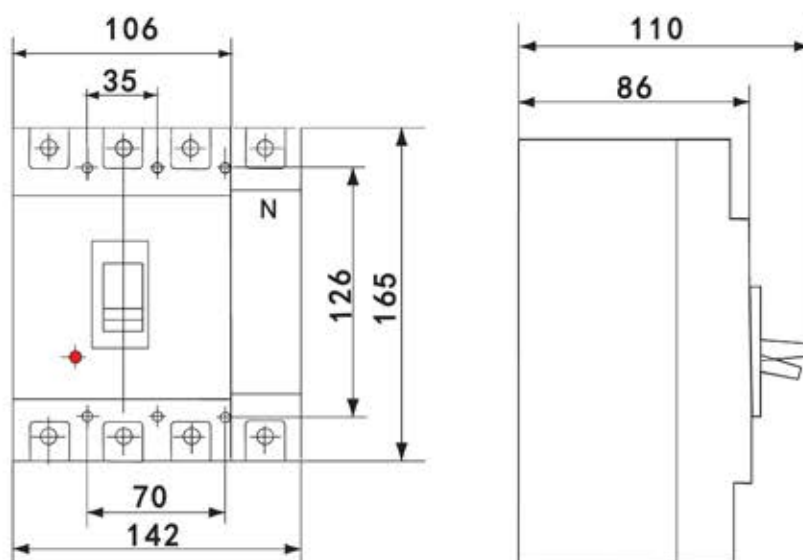


### Technical Data

Number of pole:	3P,4P
Rated voltage(Ue):	415V
Rated current(In):	100,125,160,180,200,225A
Rated isolating voltage(Ui):	800V
Rated impulse withstand voltage(Uimp):	6000V
Mechanical endurance:	7000cycles
Electric endurance:	1000cycles
Connection:	Terminal Screw
Rated limit short-circuit breaking capacity(Icu):	50kA
Rated operating short-circuit breaking capacity(Ics):	27kA
Standards:	IEC60947-2, EN60947-2
Weight:	1954g

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)





## MOULDED CASE CIRCUIT BREAKER

# EN-MU0400

IEC 60947-2  
EN 60947-2

### Applications

### Approval / Marking

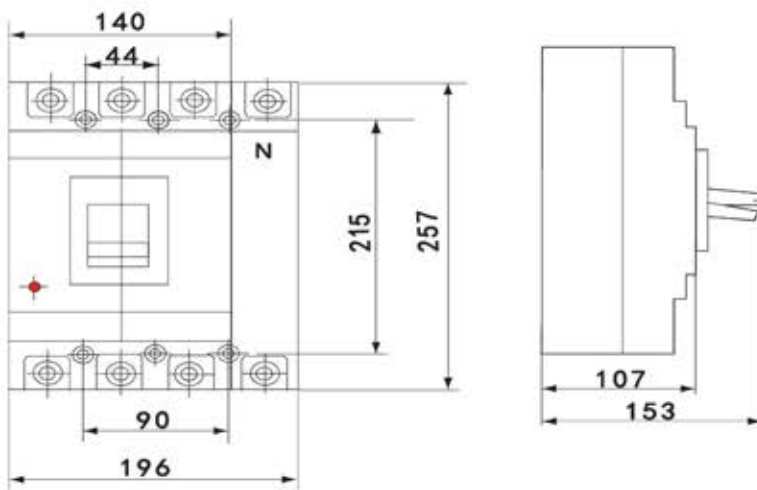


### Technical Data

Number of Pole:	3P,4P
Rated voltage(Ue):	415V
Rated current(In):	200,250,315,350,400A
Rated isolating voltage(Ui):	800V
Rated Impulse withstand Voltage(Uimp):	8000V
Mechanical endurance:	4000cycles
Electric endurance:	1000cycles
Connection:	Terminal Screw
Rated limit short-circuit breaking capacity(Icu):	50kA
Rated operating short-circuit breaking capacity(Ics):	37.5kA
Standards:	IEC60947-2, EN60947-2
Weight:	5500g

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)



## MOULDED CASE CIRCUIT BREAKER

### EN-MU0630

IEC 60947-2  
EN 60947-2

#### Applications



#### Approval / Marking

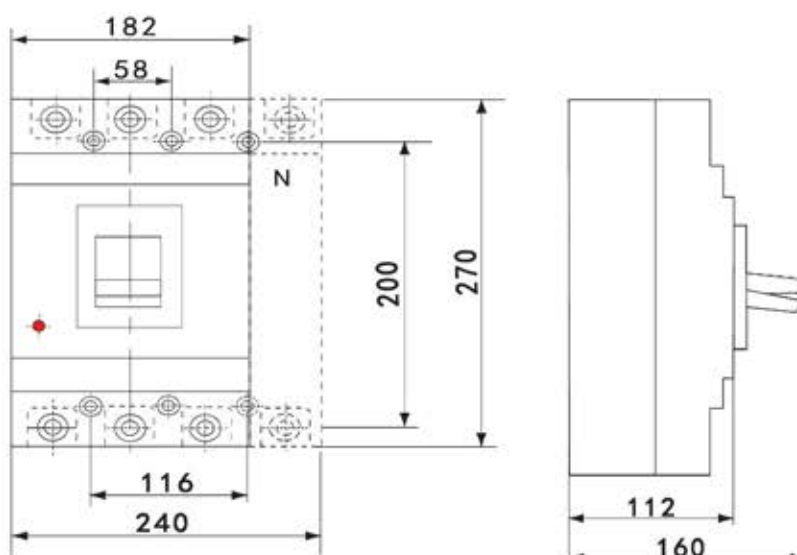


#### Technical Data

Number of pole:	3P,4P
Rated voltage(Ue):	415V
Rated current(In):	400,500,630A
Rated isolating voltage(Ui):	800V
Rated impulse withstand voltage(Uimp):	8000V
Mechanical endurance:	4000cycles
Electric endurance:	1000cycles
Connection:	Terminal Screw
Rated limit short-circuit breaking capacity(Icu):	50kA
Rated operating short-circuit breaking capacity(Ics):	37.5kA
Standards:	IEC60947-2, EN60947-2
Weight:	7700g

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

#### Dimensions (mm)





## MOULDED CASE CIRCUIT BREAKER

### EN-MU0800

IEC 60947-2  
EN 60947-2

#### Applications

#### Approval / Marking

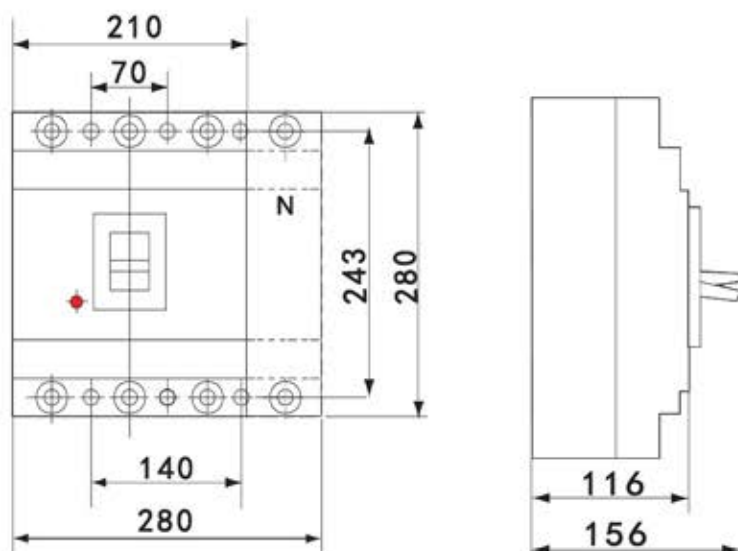


#### Technical Data

Number of pole:	3P,4P
Rated voltage(Ue):	415V
Rated current(In):	400,500,630,700,800A
Rated isolating voltage(Ui):	800V
Rated impulse withstand voltage(Uimp):	8000V
Mechanical endurance:	4000cycles
Electric endurance:	1000cycles
Connection:	Terminal Screw
Rated limit short-circuit breaking capacity(Icu):	65kA
Rated operating short-circuit breaking capacity(Ics):	42kA
Standards:	IEC60947-2, EN60947-2
Weight:	7700g

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

#### Dimensions (mm)





## Miniature Circuit Breakers (MCBs) Residual Current Circuit Breakers (RCCBs)



# Circuit Protection

## MINIATURE CIRCUIT BREAKERS (MCBs)



MCB Model: EVR63W; 1 pole, 2 poles and 3 poles

### APPLICATION

The product provides protection and control of circuit against overload and short-circuit. The product is applicable to circuit with rated voltage 230/400V, rated frequency 50/60Hz and rated current not exceeding 63A.

### SERVICE CONDITIONS

- **Ambient Temperature**  
Product shall operate under such condition with ambient temperature  $-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$  and average value within 24 hours not exceeding  $35^{\circ}\text{C}$ .
- **Altitude above sea level**  
The product shall be installed where the altitude above sea level not more than 2000m.
- **Atmospheric condition**  
The product shall be installed at the place with humidity not more than 50% at maximum ambient temperature  $+40^{\circ}\text{C}$  and not more than 90% at average temperature not less than  $+25^{\circ}\text{C}$ .
- **Pollution class: class 2.**
- **Installation Class: Class II or III.**
- **Installation method: 35mm standard Din rail.**

The MCBs will utilize both thermal and electromagnetic tripping for the overload and short-circuit protections. They are design to protect wires and cables against overcurrents.

- **Tripping curve according to IEC60898 and EN60898**

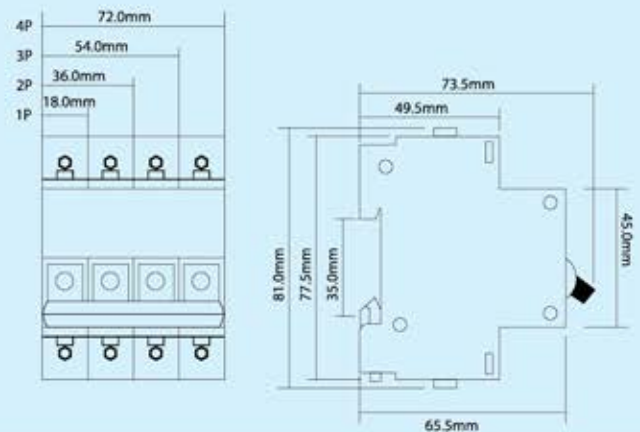
Three types of overcurrent protections are available, type B, type C and type D. The thermal release (bimetal release) of these three types are the same. The tripping delay time operates in the range of 1.05 to 1.3 times of the rated current. Therefore, the minimum current for the thermal release will operates slightly about the rated current in order to protect electrical machinery against current overloading.

Type B characteristic is used for general lightings and cables protections.

Type C characteristic is ideally suitable for protection of electrical apparatus. The extended operating current of the electromagnetic release protects against nuisance tripping due to high transient currents and starting currents of electrical machinery.

Type D characteristic is used when high starting current is expected, such as the starting current of an induction motors.

### DIMENSIONS



### TECHNICAL DATA- MCB (MODEL : EVR63W)

#### ELECTRICAL

Standard Complied	IEC 898 (EN60898)
Rated Voltage (Un)	240/415V AC; 50/60Hz
Rated Current (In)	6 to 63A
Number of Pole (module)	1, 2, 3
Characteristics (Tripping Curve)	Type B, Type C, Type D
Rated Breaking Capacity	6 kA (6000 A)
Ambient Temperature	$-5^{\circ}\text{C} \sim +40^{\circ}\text{C}$
Endurance Electrical	> 4,000 operating cycles
Degree of Protection into distribution panel)	IP 40 (after installation)

#### MECHANICAL

Frame Size	45.0mm
Socket Size	81.0mm
Device Width	18.0mm (per Pole/Module)
Panel Mounting	On symmetrical DIN rail EN 50022
Terminal Protection	Finger and hand touch safe
Terminal Capacity	1 - 25 mm <sup>2</sup>
Endurance Mechanical	> 6,000 operating cycles

### USAGE AND MAINTENANCE

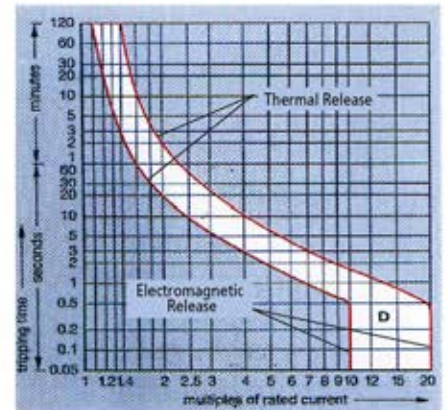
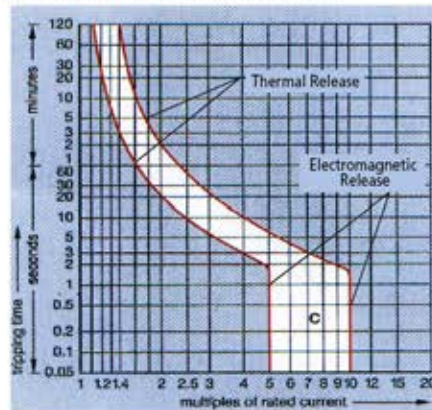
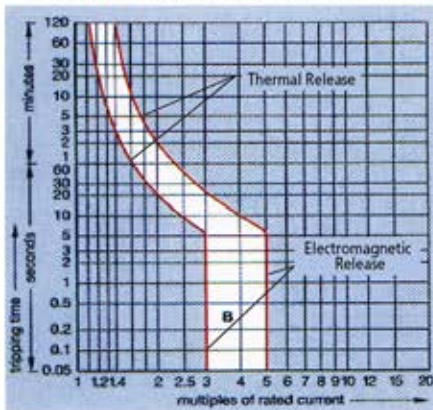
- The product must be protected from rain or snow during transportation, storage and operation.
- Dust shall be get rid off regularly during operation.



- Overcurrent Protection Characteristics (Thermal and Electromagnetic Tripping) of Type B, C and D curve shall be referred to the table as below:

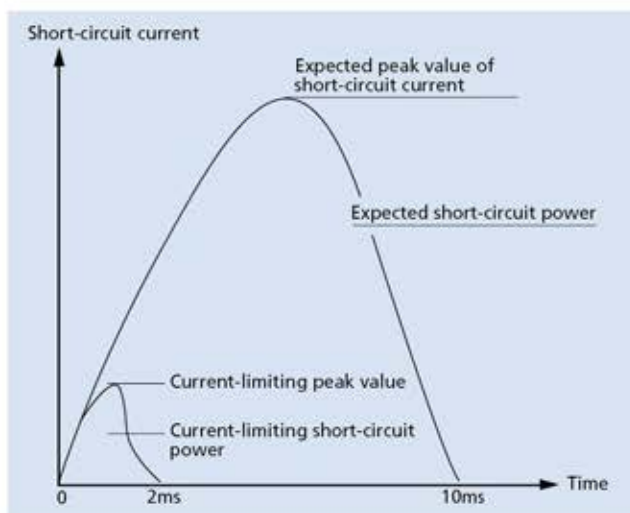
No	Rated Current In	Initial Status	Testing Current	Testing Time	Qualified Results	Remarks
1	1-63A	Cold	1.13In	$t > 1h$	Not tripped	
2	1-63A after previous test	Immediately	1.45In value within 5s	$t < 1h$	Tripped steadily to a specified	The current increases
3	$I_n \leq 32A$	Cold	2.55In	$1s < t < 60s$	Tripped	
	$I_n > 32A$	Cold	2.55In	$1s < t < 120s$	Tripped	
4	1-63A	Cold	3In	$t \geq 0.1s$	Not tripped	Curve B
	1-63A	Cold	5In	$t < 0.1s$	Tripped	Curve B
	1-63A	Cold	5In	$t \geq 0.1s$	Not tripped	Curve C
	1-63A	Cold	10In	$t < 0.1s$	Tripped	Curve C
	1-63A	Cold	10In	$t \geq 0.1s$	Not tripped	Curve D
	1-63A	Cold	20In	$t < 0.1s$	Tripped	Curve D

- Tripping Characteristics of curve Type B, C and D (time vs. current)



- Current Limit Characteristics

The products provides current limiting function and thus minimize damage resulted from short-circuit. Refer to the scheme as below:



Scheme of current limiting wave





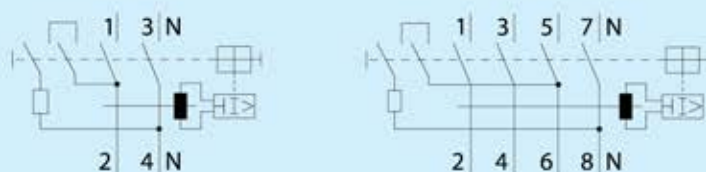
# Circuit Protection

## RESIDUAL CURRENT CIRCUIT BREAKERS (RCCBs)



RCCB Model: JVL6-63W; 2 poles and 4 poles

### INTERNAL CONNECTIONS



### APPLICATION

Residual Current-operated Circuit Breaker provide the function of isolation switching and earth leakage protection of electrical circuits. And also provide the indirect protection of the operator's body against the dangerous effects of electric current and provide the protection of the fire caused by the electrical circuit fault.

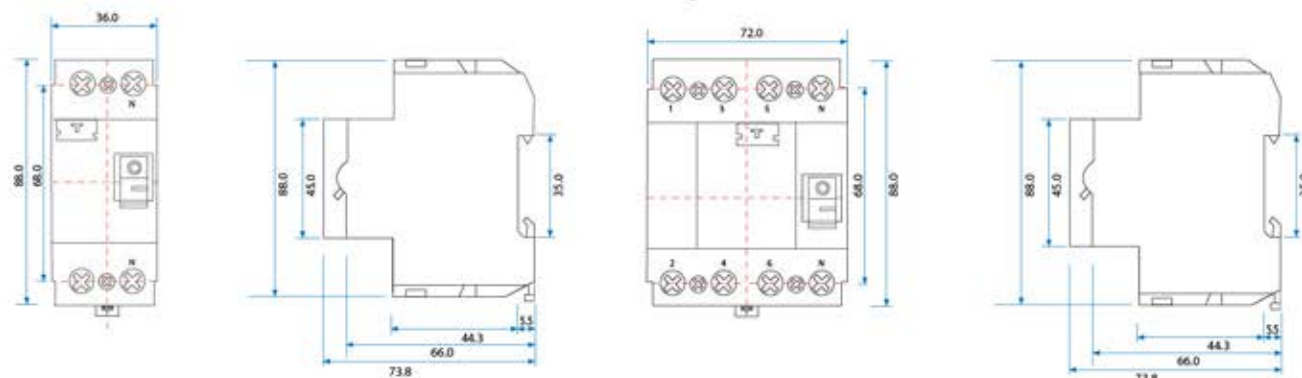
"EVERNEW" RCCBs is operating based on the principle of measuring the differential current and tripping through a switch lock of electromagnetic tripping element. Therefore, electrical supply will be discontinue when there is any current leakage fault sense at any of the outgoing "LIVE" or "NEUTRAL" connection.

When installing "EVERNEW" RCCB, we must make sure that all wiring necessary for operation needs to be passed through the RCCB and neutral phase has to be insulated against earth, similar for live conductors. According to relevant regulations, all facilities to be protected are required to be insulated.

### SPECIFICATION

TYPE	(2 poles) JVL6-63W	(4 poles) JVL6-63W
Rated Current	40A, 63A	40A, 63A
Leakage Acting Current	30mA, 100mA, 300mA	30mA, 100mA, 300mA
Range of Break-off	$0.5 \sim 1.0 \times I_{\Delta n}$	$0.5 \sim 1.0 \times I_{\Delta n}$
Rated Voltage	240V(230V)	240V/415V (230V/400V)

### DIMENSIONS



### TECHNICAL DATA - RCCB (MODEL : JVL6-63W)

ELECTRICAL	
Standard Complied	IEC 1008 (EN61008)
Rated Voltage ( $U_n$ )	240/415V AC; 50Hz
Rated Current ( $I_n$ )	40A, 63A(2 Poles & 4 Poles Type)
Rated Residual Operating Current ( $I_{\Delta n}$ )	30, 100, 300mA
Rated Residual Non-operation Current ( $I_{\Delta no}$ )	$0.5I_{\Delta n}$
Tripping Time	< 0.1 second
Minimum Value of Rated Making and Breaking Capacity ( $I_m$ )	630A
Rated Conditional Short-circuit Current ( $I_{nc}$ )	$I_n = 40A \quad I_{nc} = 1500A$ $I_n = 63A \quad I_{nc} = 3000A$
Rated Short-circuit Strength	6000 A with 63A gL backup fuse
Operating Characteristics	Type AC with anti nuisance ( $\lambda_n$ )
Climatic Resistance	55°C / 28 cycles
Vibration Resistance	Minimum 5g 30 min, 0 ~ 8Hz
Ambient Temperature	-5°C ~ +40°C
Endurance Electrical	> 2,000 operating cycles
Degree of Protection	IP 40 (after installation into distribution panel)
MECHANICAL	
Frame Size	45.0mm
Socket Size	88.0mm
Device Width	36.0mm (2 Poles/Modules) 72.0mm (4 Poles/Modules)
Panel Mounting	On symmetrical DIN rail EN 50022
Terminal Protection	Finger and hand touch safe
Terminal Capacity	1 - 25 mm <sup>2</sup>
Endurance Mechanical	> 2,000 operating cycles

## ONLOAD SWITCH FUSE EVRW-SF

**DESCRIPTION** :

- Protection of circuit and equipment from overload and short circuits.
- Facilitated isolation and maintenance of circuit
- Use in domestic commercial and light industrial installations

**APPROVALS** : CB, CE

**CONNECTION** :

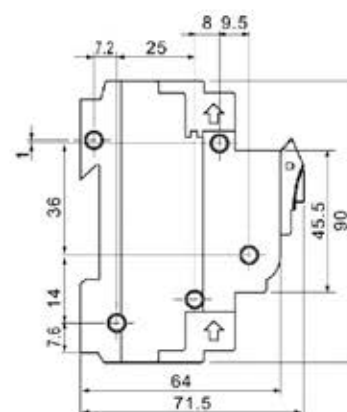
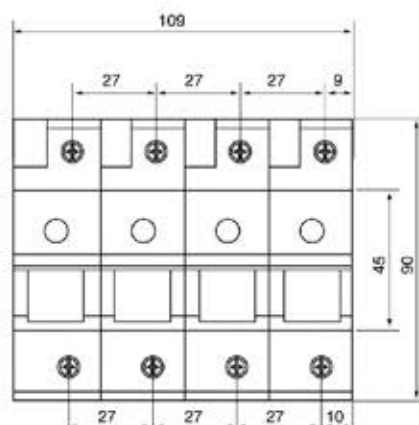
- Terminal: Pillar terminal with clamp
- Capacity: Rigid conductor up to 25cm<sup>2</sup>

**Installation** : On symmetrical DIN rail 35mm  
Panel Mounting

### Technical Parameter

Standard	IEC60269, IEC60947-3, IEC60269 (D02 Fuse link)
Utilization Category	AC 22B
Number of Pole	1P, 1P+N, 3P, 3P+N (1.5Mod/Pole)
Rated Voltage	240/415V
Rated Current	32, 63A
Rated Frequency	50/60Hz
Rated Fuse Conditional Short Circuit	50KA
IP Rating	20

### Overall & Mounting Dimensions





## Isolator Switch

# EUT1

IEC 60947-3  
EN 60947-3

### Applications

### Approval / Marking



### Function and Features

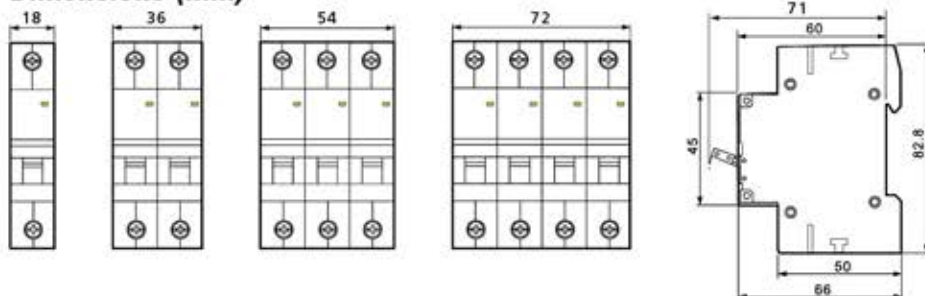
- Capable of switch electric circuit with load
- Adaptable to padlock device
- Contact position indication
- Capable of quickly releasing stored energy operation
- Highlighted of high making and breaking capacity
- Used as main switch for household and similar installation

### Technical Data

Rated current(I<sub>n</sub>):20,32,63,80,100,125A  
Rated voltage(Un):230/240VAC,400/415VAC  
Number of poles:1P,2P,3P,4P  
Rated frequency:50/60Hz  
Electrical endurance:10000 cycles  
Mechanical endurance:20000 cycles  
Rated impulse withstand voltage(U<sub>imp</sub>):6kV  
Terminals:pillar type  
Cable termination:25mm<sup>2</sup>  
Torque of screw:2.5Nm  
IP degree:IP20  
Standards:IEC/EN 60947-3

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)



## Surge Protective Device

# EUSP

IEC 61643-1  
EN 61643-1

### Applications



### Approval / Marking



### Function and Features

Have a good discharge capacity, it's suitable for single phase, TN-C, TN-C-S, IT and TT power distribution system.

Adopt energy-rich voltage dependent resistor, nanosecond level speed of response

Capacity of overheated and surge protection

Visual display on the protector and remote signal terminal

1) Visual display for operation

2) Signal terminal effecting the remote function

3) Convenient to pulled & inserted mold, possible to remove failed module installation method.

### Technical Data

Max. continuous operating voltage  $U_c$ (VAC): 275, 320, 385, 440V

Functional indication: Red: failed

Response time(ns): <25ns

Cover material: PA66

Fire resistance: Comply with UL94V-0

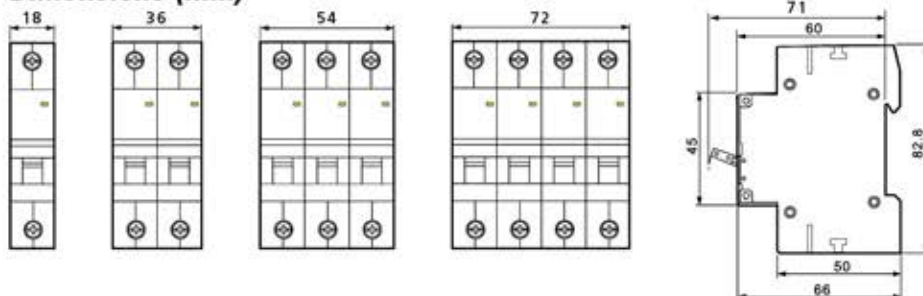
Installation method: 35mm DIN rail

Combinatorial module: 1P, 2P, 3P, 4P, 1+NPE, 3+NPE  
(with or without remote signal terminal)

Standards: IEC/EN 61643-1

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)





## DC Surge Protective Device

# EUSP-DC

IEC 61643  
EN 61643

### Applications

### Approval / Marking



### Function and Features

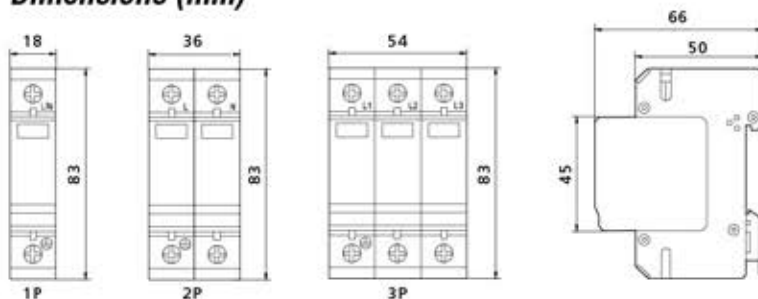
- For PV system only, made according to IEC61643-1
- Adopt energy-rich voltage dependent resistor, nanosecond level speed of response
- Capacity of overheated and surge protection
- Visual display on the protector and remote signal terminal
- 1) Visual display for operation
- 2) Signal terminal effecting the remote function
- 3) Convenient to pulled & inserted mold, possible to remove failed module

### Technical Data

Max. continuous operating voltage $U_c(V\sim)$ :	500, 600, 800, 1000VDC
Fuse:	63A
Functional indication:	Red: failed
Response time(ns):	<25ns
Cover material:	PA66
Fire resistance:	comply with UL94V-0
Installation method:	35mm DIN rail
Combinatorial module:	2P, 2P+NPE, 3P(2P+PE)
Standards:	IEC/EN 61643

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)





## Residual Current - Operated Circuit Breaker with Integral Overcurrent Protection (RCBO)

### Description

- To protect individual circuit against overload, short circuit and earth leakage faults.
- Use in domestic, commercial and light industrial application.
- Compact and easy installation.

### Electrical

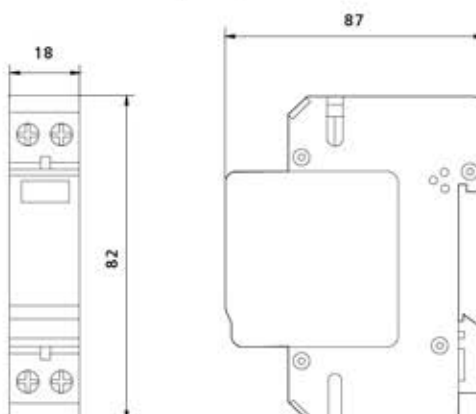
Design according to	IEC 61009-2-2
Rated Voltage (Ue)	240V~
Rated current (In)	6-32A
Frequency	50/60Hz
Tripping curve	B, C (IEC 60898-1)
Energy limiting class	3
Rated breaking capacity (Icn)	6kA
RCD characteristics	Type A, Type AC (IEC 61008-2-2)
Rated sensivity current (IΔn)	10,30,100mA
Degree of protection	IP20
Electrical and mechanical	>4000 operating cycles

### Mechanical

Terminal capacity	1-10mm <sup>2</sup>
Mounting Installation	DIN rail 50022

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Dimensions (mm)



Type	Rating (A)	Cat No. 10mA	Cat No. 30mA
AC	6	RCB0601AC	RCB0603AC
	10	RCB1001AC	RCB1003AC
	16	RCB1601AC	RCB1603AC
B Curve	20	RCB2001AC	RCB2003AC
	25	RCB2501AC	RCB2503AC
	32	RCB3201AC	RCB3203AC

Type	Rating (A)	Cat No. 10mA	Cat No. 30mA
AC	6	RCC0601AC	RCC0603AC
	10	RCC1001AC	RCC1003AC
	16	RCC1601AC	RCC1603AC
C Curve	20	RCC2001AC	RCC2003AC
	25	RCC2501AC	RCC2503AC
	32	RCC3201AC	RCC3203AC

Type	Rating (A)	Cat No. 10mA	Cat No. 30mA
AC	6	RCB0601A	RCB0603A
	10	RCB1001A	RCB1003A
	16	RCB1601A	RCB1603A
B Curve	20	RCB2001A	RCB2003A
	25	RCB2501A	RCB2503A
	32	RCB3201A	RCB3203A

Type	Rating (A)	Cat No. 10mA	Cat No. 30mA
AC	6	RCC0601A	RCC0603A
	10	RCC1001A	RCC1003A
	16	RCC1601A	RCC1603A
C Curve	20	RCC2001A	RCC2003A
	25	RCC2501A	RCC2503A
	32	RCC3201A	RCC3203A



## 24HR Analogue Time Switch

# SUL181h

### Description

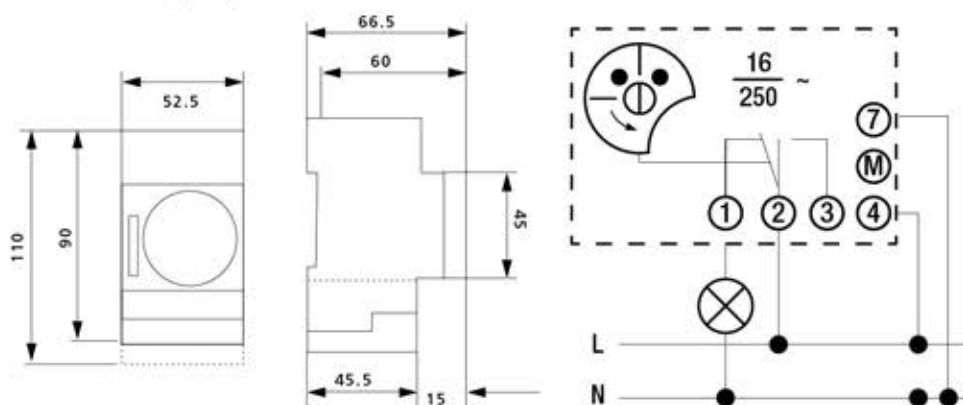
- Timer switch with power reserve
- Nominal rated voltage at 230V  $\pm$  10%
- 24 hour dial with 30 min segment
- Manual over ride ON/OFF switching
- Permanent ON/OFF switching
- Snap on fixing for 35mm Din-Rail (AMM28409A)

### Electrical

Contact Capacity	Ac230v 16a
Full Timing Range	24h
Contact Resistance	50m $\Omega$
Insulation Resistance	100m $\Omega$
Coil Voltage	110, 240v Ac
Operating Temperature	-40°C~+55°C
Storage Battery (Working Reserve)	Time 150h
Minimum Setting Unit	30 Minutes
Set Up Times	30 m/per times 48 times

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

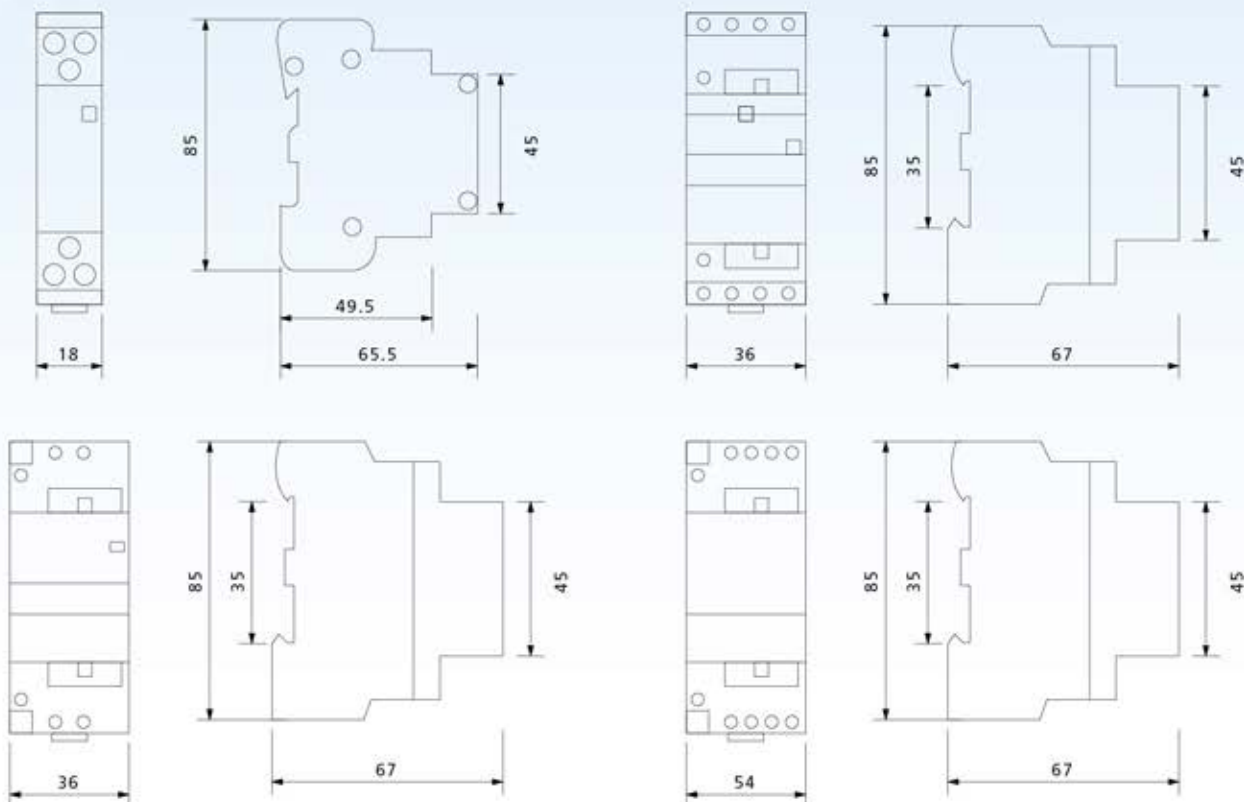
### Dimensions (mm)




**Speciality** Model number and Explanations

**LN C 1 - 20,63**

- (AC-7a, 230V) Rated operating current (A)
- Designs serial number
- AC Contactor
- Company code

**Dimensions (mm)**




# AC Contactor

## LNC1-20 / LNC1-63

LNC 1-20, LNC1-63 AC Contactor (Contactor for short) is mainly designed for AC 50Hz or 60Hz circuits with 230V rated operating voltage. In AC-7a usage, rated operating voltage up to 230V, rated operating current up to 63A, it functions as long distance breaking and circuit controlling. This product is mainly applied to household appliances or low inductance loading and home electromotor loading control used for the similar purpose.

### Normal Working and Installation Conditions

Ambient Temperature	-5°C to + 40°C, the average temperature no more than +35°C in 24 hours.
Altitude	no more than 2,000m
Atmospheric Condition	The relative humidity of the installation place should be no more than 50% when the maximum temperature is +4°C; If under a lower temperature, a higher relative humidity is allowed. The monthly average minimum temperature in the wettest month should not exceed +25°C and the monthly average maximum relative humidity of this month no more than 90%. Besides the dew on the surface of products caused temperature change should be taken into consideration.
Class of pollution	Class 2
Installation Condition	Class II

NOTE: WE RESERVE THE RIGHT TO VARY TECHNICAL DATAS WITHOUT PRIOR NOTICE.

### Types of contactor and relevant data

Type	Rated Insulation Voltage (V)	Rated Operating Voltage (V)	Rated Operating Current (V)	Rated Heating Current (V)	Control Power (kW)
AC1. AC7a AC7Bcb	500	230V	63	63/25A	13/3.8
AC1. AC7a AC7Bcb	500	230V	40	40/15	8.4/2.4
AC1. AC7a AC7Bcb	500	230V	32	32/12	6.5/1.9
AC1. AC7a AC7Bcb	500	230V	25	25/8.5	5.4/1.5
AC1. AC7a AC7Bcb	500	230V	20	20/7	4/1.2

### Switching on and segmenting ability

Type	Switching on and segmenting condition			Pick-up Time (s)	Interval (s)	Operation Frequency
	Ic/Ie	Ur/Ue	COS			
AC-1, AC-7a	1.5	1.05	0.8	0.05	10	50
AC-7b	8	1.05	0.45	0.05	10	50

### Operating Performance

Type	On Condition			Segment Condition			Pick-up Time (s)	Interval (s)	Operation Frequency
	Ic/Ie	Ur/Ue	COS	Ic/Ie	Ur/Ue	COS			
AC-1	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	6000
AC-7a	1.0	1.05	0.8	1.0	1.05	0.8	0.05	10	30000
AC-7b	6.0	1.0	0.45	1.0	0.17	0.45	0.05	10	30000

Mechanical Life :  $\geq 1 \times 10^6$  Times.  
Electrical Life :  $\geq 3 \times 10^4$  Times.

DISTRIBUTOR IN MALAYSIA :



**U-NET SDN BHD**  
YOUR ELECTRICAL PARTNER SINCE 1977

Lot 1028, Jalan KB 2/15, Kg Baru Balakong, Batu 13, Jalan Balakong,  
43300 Seri Kembangan, Selangor Darul Ehsan, Malaysia.

**Tel** > +603-8961 1368 (Hunting Line) **Fax** > +603-8962 3118

**Email** > [u-net@u-net.com.my](mailto:u-net@u-net.com.my)

© Copyright. All Rights Reserved U-NET SDN. BHD.