

FACTORY AUTOMATION

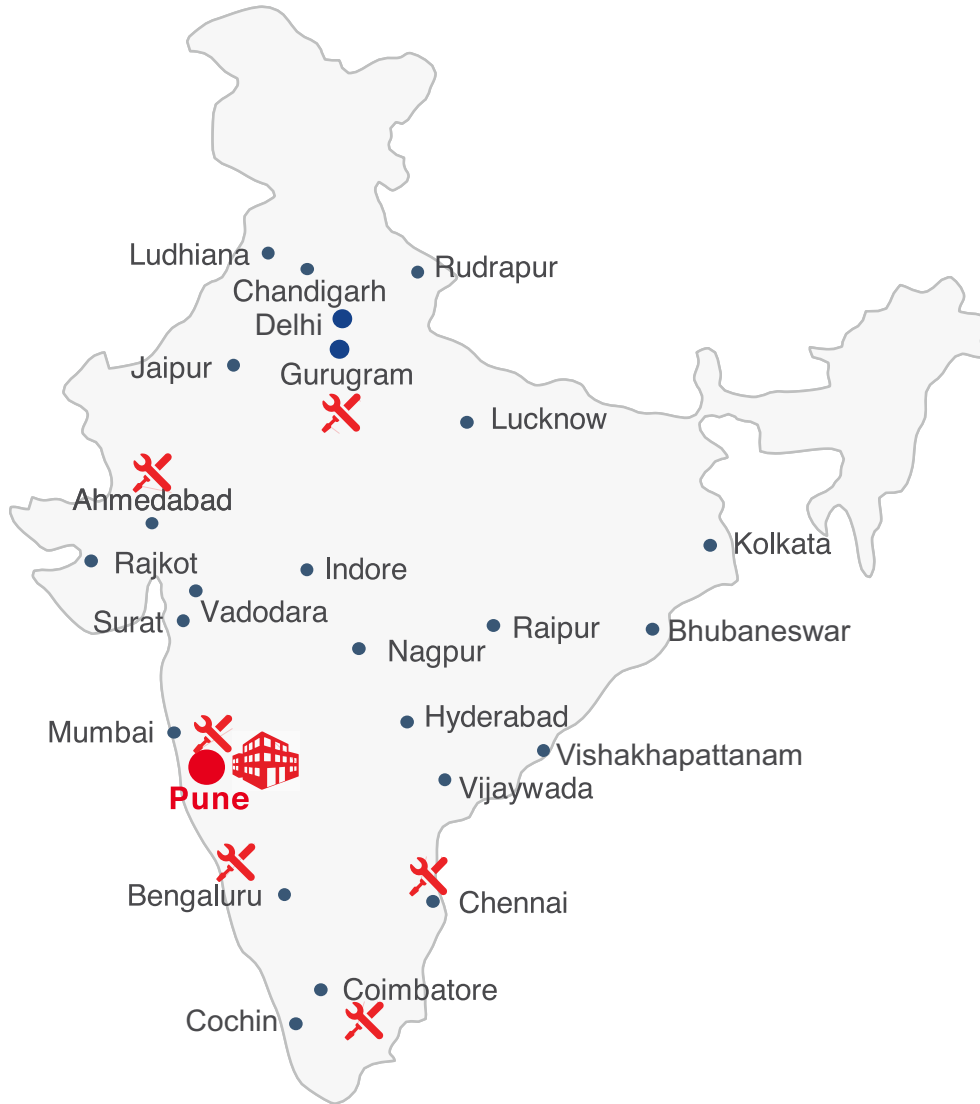
LOW VOLTAGE SWITCHGEAR

SMART, SAFE, RELIABLE AND EFFICIENT

Price List, Effective from 1st April 2026



FACTORY AUTOMATION AND INDUSTRIAL DIVISION (FAID)



Divisional Head Office at Pune



24 Sales Offices and Satellite Offices



130+ FA + LVS Channel Partners*



40+ Local Partners*, and over 700+ Partners Globally



6 Factory Automation Training Centers*

4 Mitsubishi Electric FA Service Centers*

37 Authorized FA Service Centers (2 in Bangladesh, 1 in Sri Lanka)*

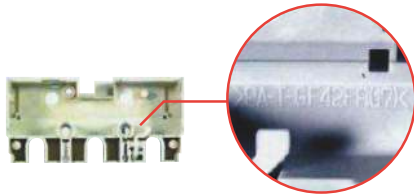
14 METTA Panel Partners

*As on March'26. The number is subject to change. Please contact your nearest Sales Office details of the local Channel Partners

Environment

Use of Various Recyclable Materials

The circuit breakers are made of thermo-plastic materials that are easy to recycle. (some models are partially made of thermoset materials.) The major plastic parts bear material identifications so that they can be recycled.



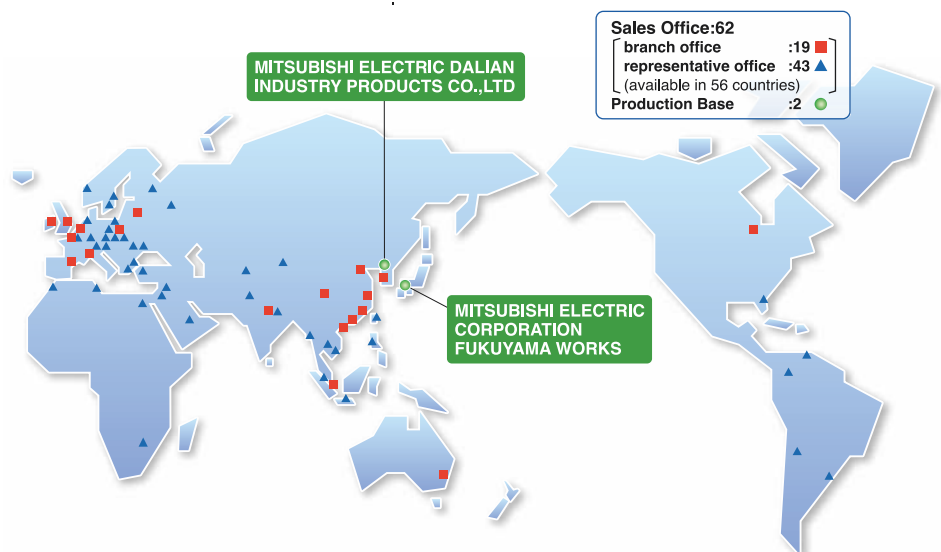
Nonuse of Hazardous Substances

Eco-friendly design is used for all circuit breakers, and they do not use hazardous substances. The circuit breakers comply with RoHS regulations.

Global

Global Networks of Sales Offices and Production Bases

Our sales networks are designed to comfort customers internationally through the worldwide distributions. Constantly contactable distributors enable use to accommodate customer's needs for smooth supply



LVS PRICE LIST - APRIL 2026

METTA IEC61439-Power & Control Panel Solutions



Features

- Build up to 5000A,415Vac.
- Short circuit (Icw) upto 65kA1sec
- Modular construction enables modification in panel shell onsite during or after execution as per site conditions.
- Can be build to customized size in height, width and depth
- Panel can be front accessible and rear accessible.
- Design tested to IEC 61439 - 1&2 with ASTA & ERDA certification.
- Design tested for Internal Arc IEC/TR 61641 for 65kA for 0.5Sec
- Design tested for IEC 60068-3-3 , Seismic Requirement.
- High level of internal safety and tested to Form4b Type 7
- Solutions up to Ip54degreeofexternalprotection
- Solution can be Customized for 50/55degreeCelsius
- Solution available with Al & Cu.

Melshort2 - Power Distribution Designing Software by Mitsubishi Electric

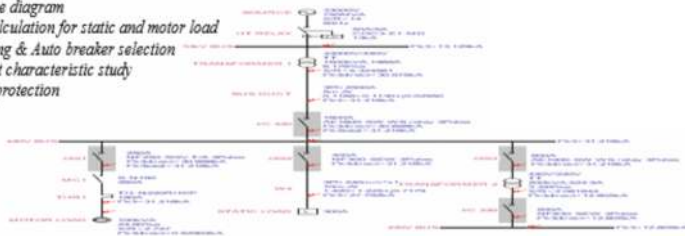
MELSHORT2 Features:-

- ✓ User friendly interface
- ✓ Widely used in the world (57 countries and regions)
- ✓ Built electrical network up to 66kV voltage
- ✓ No feeder or network limitation
- ✓ Calculations follow IEC standards
- ✓ Project report preparation
- ✓ Auto data support as per standards
- ✓ Free Software open to public

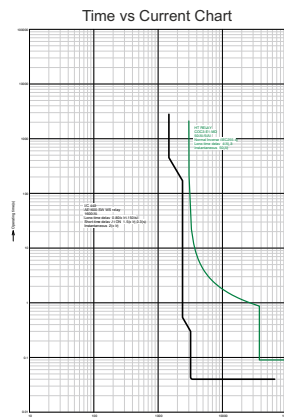


MELSHORT2 functions:-

- ✓ Draw single line diagram
- ✓ Short circuit calculation for static and motor load
- ✓ Equipment Sizing & Auto breaker selection
- ✓ Time vs Current characteristic study
- ✓ Electric shock protection



MELSHORT - Design Support Software

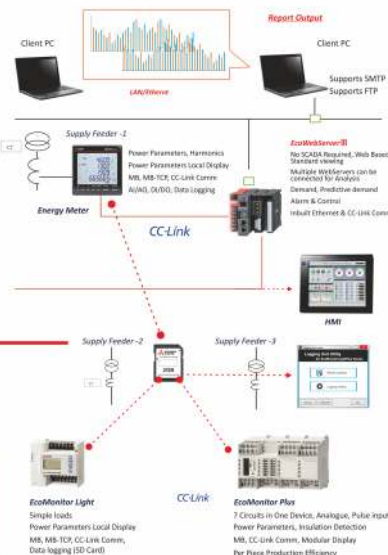


Energy Management Solutions

1. Measurement 2. Logging 3. Report



	EcoMonitorPlus EMU4-HD1-MB+CM-C		MFM - ME96SS MFM - EMM5796AAMB
	EcoWebServer III MES3-2SSC-EN		EcoMonitorLight EMU4-LM+CM-C
	SD Card EMU4-SD2GB		Display Unit EMU4-D65

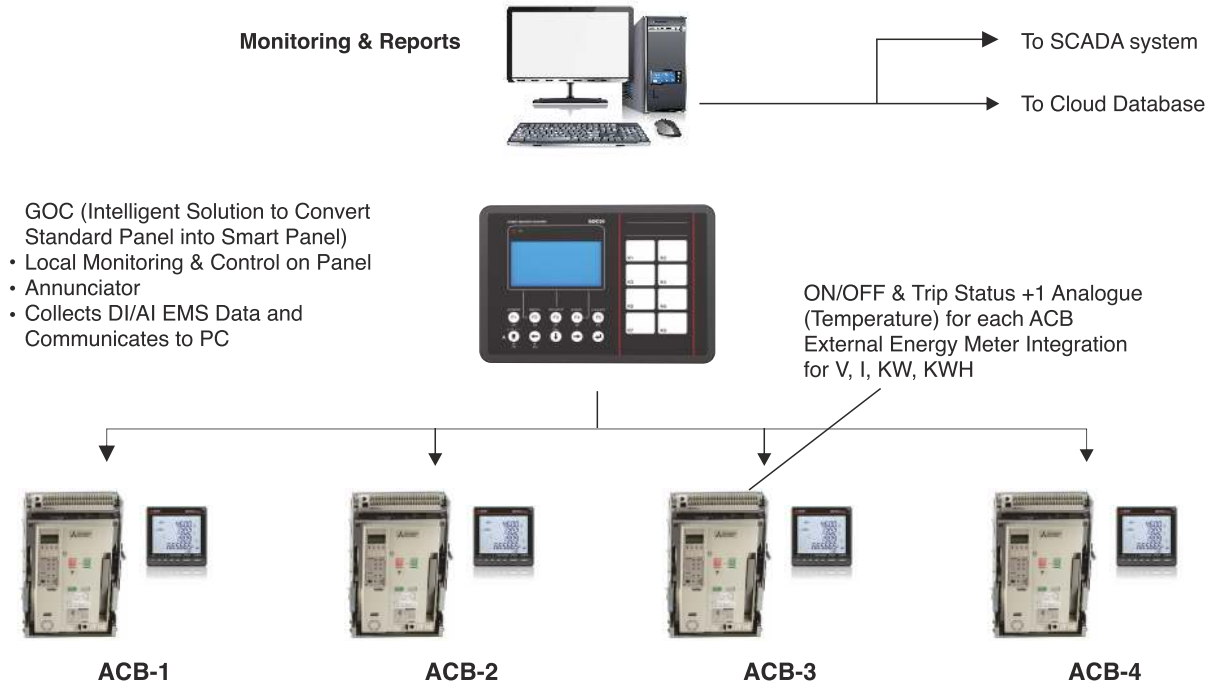


Oil, Gas, Water CO₂, Level



Equipment Health :
Temperature, Vibration,
Current, Insulation

LVS Monitoring & Control System (Integrating breaker & Energy Meter)



ONE EMS SOLUTION- MANY ADVANTAGES

Monitor Contract Demand

No.	Name	Measured value
1	Current (I) Current	11.8 A
2	Current (I) Voltage	101.8 V
3	Current (I) Power	211.8 KW
4	Current (I) Energy	131004 KWH
5	Current (I) Power Factor	99.3 %
6	Current (I) Max. Current	3111 KWH
7	Maximum Energy	119 KWH
8	Minimum Energy	1251 KWH

Measure I, V, KW, KWH, Hz, Pf, Harmonics

Measure Per Piece Product Efficiency

Oil, Gas, Water, Pressure, CO2 Level

Reports Through Software

View Anywhere Machine, Line, Floor, Factory LAN or Web

Equipment Health: - Temperature, Vibration, Current, Insulation Monitoring

PRICE LIST INDEX

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Power Circuit Breakers

Low Voltage Air Circuit Breakers

World
Super **AE**

630AF~6300AF

World Super

WS
Series



Mitsubishi Presents the WS Series, Satisfied with the High Demands of the 21st Century Global Market.

World Super

WS Series

Best-Solution

Various line-up and high flexibility

High-Performance

One-rank higher breaking performance

High-Reliability

Safety and reliability provided

Customer Friendly

Easy handling and retrofitted solution



Global...



Product Features

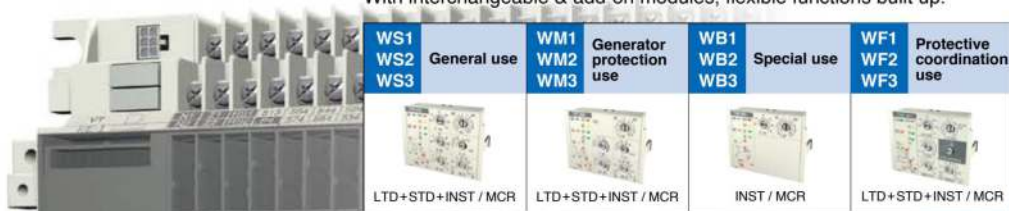
Best Solution

Through Flexible and Various Options, To be Built up the Suitable Functions.

Electronic Trip Relay

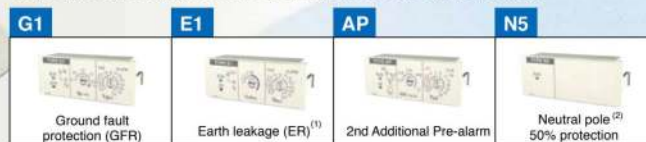
Main setting module ①

With interchangeable & add-on modules, flexible functions built up.



Optional setting module ②

With optional setting modules, GFR, ER etc are added easily.



Note (1) : Combination with ZCT
 (2) : With "N5" optional module, Neutral pole protection will be changed from 100% (standard) to 50%.

Power supply ③

It is necessary for Display and LEDs. (see page 21, 22.)

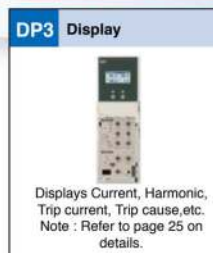
P1	100-240V AC-DC
P2	24-60V DC
P3	100-240V AC / 100-125V DC with output contact
P4	24-60V DC with output contact
P5	100-240V DC with output contact (SSR) ⁽¹⁾

Note (1) : Solid State Relay

Additional function

EX1/EX2	Extension module	DP1	Display	TAL	Temperature alarm
Module for display and communication		Current, Voltage, Power, Harmonics, Trip current, etc. Note : The VT unit is required to display the measured data except the load current.		The TAL is operated by an unusual temperature of the breaker contacts. (see page 36)	
				MCR-SW	MCR switch
				Making current release is possible with MCR switch. (see page 36)	

WS relay with ampere meter and fault memory (DP3)

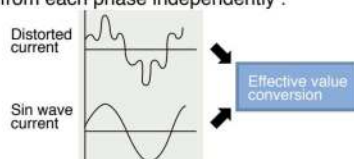


Protection with power from Internal CT

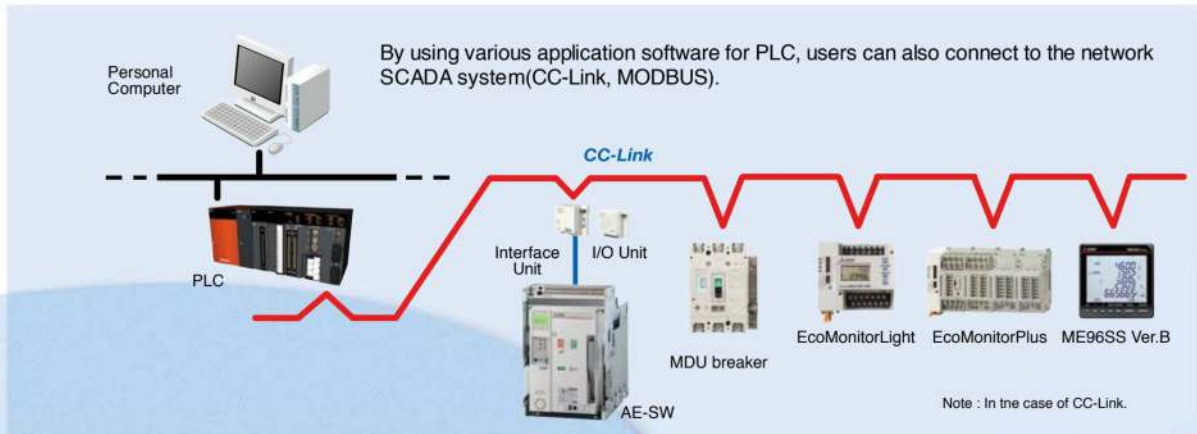
The Over current protection and Ground fault protection can work with power from Internal CT, even if the control power source is off. For the Trip indicator LED and the additional functions like EX1/EX2, DP1/DP2, TAL and Network, the control power source is required.

Secure protection by actual effective value detection

For spread of electronic devices such as inverter, the actual effective value detection method is adopted, which is strong against deformed waveform and is detected from each phase independently .



Network



Interface unit

CC-Link

MODBUS(RS-485)



BIF-CC



BIF-MD

Communication items

Measurement / Alarm	Current, Voltage*, Power*, Harmonics*, etc.
	Tripping cause, Tripping current
	Alarm (PAL, TAL, Self diagnosis, etc.)
Breaker remote control	ON and OFF by CC and SHT
	Spring charge by MD
Breaker status	ON or OFF or Charge state
	Drawout position
	ETR Setting value

Note*: The VT unit is required to display the measured data except for the load current.

I/O unit

BIF-CON

ON, OFF, Spring charge, Digital input



Option to interface unit I/O unit enables to turn ON/OFF the breaker and the spring charge via network. And by addition of the drawout position switch, it is possible to transmit the breaker drawout position.

Display unit for Panel board

DP2



It has the same function as the breaker display unit (DP1). In the case where the breaker is installed in the panel, it becomes possible to view the measurement information from the outside of the panel board.

Note : The VT unit is required to display the measured data except for the load current.

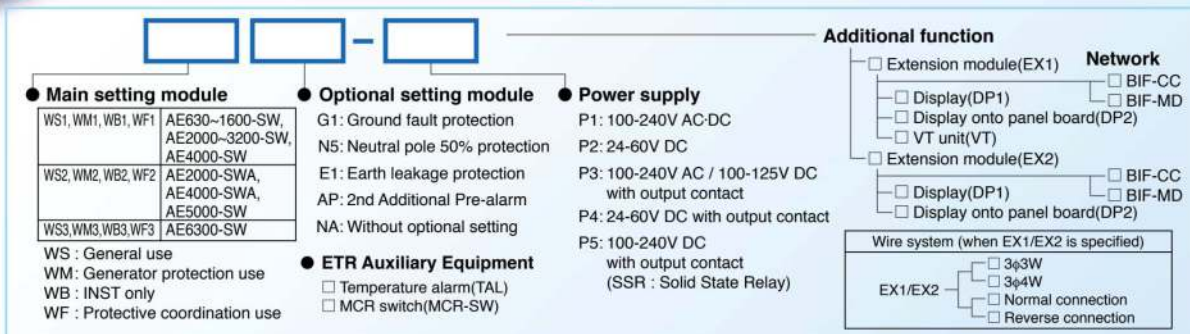
VT unit

VT



VT unit enables to measure voltages, electric powers, harmonics and etc.

Electronic Trip Relay type code



Note : For DP3, refer to page 25 on details.

Air Circuit Breaker (ACB)

Air Circuit Breaker (ACB)

- Air Circuit-Breaker and their accessories conform to IEC 60947-2.
- Modular Trip Unit, Plug-In Type LSIG, E/L, Display, Communication
- Inbuilt Adjustable Pre-Trip Alarm (on Overload) as Standard
- Display changes color upon fault/Alarm, records 20 events with date, time and values of fault/ Alarm current.
- Distinct Fault Indication LED as standard
- LED Bar Graph for Average Current % Indication as standard
- 100% Neutral
- No Derating upto 50 Deg C
- Best in Class Energy Efficient ACBs with Lowest Contact Watt Loss.
- Protection ASIC Powered with Internal CTs (No External Power required)

Rating (A)	No. of Poles	Breaking Capacity Icw	Part Reference (MDO)	LP (INR)	Part Reference (EDO)	LP (INR)
630	3	Icw 65KA 1s	AE630SWMD3PLSIG	On Request	AE630SWED3PLSIG	On Request
1000	3		AE1000SWMD3PLSIG		AE1000SWED3PLSIG	
1250	3		AE1250SWMD3PLSIG		AE1250SWED3PLSIG	
1600	3		AE1600SWMD3PLSIG		AE1600SWED3PLSIG	
2000	3		AE2000SWMD3PLSIG		AE2000SWED3PLSIG	
2500	3		AE2500SWMD3PLSIG		AE2500SWED3PLSIG	
3200	3		AE3200SWMD3PLSIG		AE3200SWED3PLSIG	
4000	3		AE4000SWMD3PLSIG		AE4000SWED3PLSIG	
5000	3		AE5000SWMD3PLSIG		AE5000SWED3PLSIG	
6300	3		AE6300SWMD3PLSIG		AE6300SWED3PLSIG	
630	4		Icw 75KA 1s		AE630SWMD4PLSIG	
1000	4	AE1000SWMD4PLSIG		AE1000SWED4PLSIG		
1250	4	AE1250SWMD4PLSIG		AE1250SWED4PLSIG		
1600	4	AE1600SWMD4PLSIG		AE1600SWED4PLSIG		
2000	4	AE2000SWMD4PLSIG		AE2000SWED4PLSIG		
2500	4	AE2500SWMD4PLSIG		AE2500SWED4PLSIG		
3200	4	AE3200SWMD4PLSIG		AE3200SWED4PLSIG		
4000	4	AE4000SWMD4PLSIG		AE4000SWED4PLSIG		
5000	4	AE5000SWMD4PLSIG		AE5000SWED4PLSIG		
6300	4	AE6300SWMD4PLSIG		AE6300SWED4PLSIG		
5000	4	Icw 100KA 1s		AE5000SWMD4PLSIG	On Request	AE5000SWED4PLSIG
6300	4		AE6300SWMD4PLSIG	AE6300SWED4PLSIG		

Note 1: All Above ACBs come with LSIG Protections, Distinct Fault Indication LED, Adjustable Pre Trip Alarm, 3NO+3NC, P1-Power Supply as Standard Offer

Note 2: EDO ACBs come with spring Charging Motor, Shunt Trip Coil and Closing Coil as Standard (However voltages for said accessories to be informed in advance through ACB ordering sheet)

Note 3: Display available as optional Plug-In Unit, On-Site Fittable, in Breaker Mounting (DP1) or Panel Mounted (DP3) Variant

GST Extra as Applicable

Air Circuit Breaker (ACB)

Air Circuit Breaker (ACB)

Category	Rated Voltage	Other Specification	Applicable ACB	Part Reference	LP (INR)
Shunt trip device	100-250V AC-DC		For All models	SHT-AD250-W	7460
	24-48V AC			SHT-D048-W	
Closing coil	100-250V AC-DC		For All models	CC-AD250-W	21380
	24-48V DC			CC-D048-W	
Auxiliary switch (AX)	Standard type of 5 NO and 5 NC contacts		For All models	AX-10-W	13760
Counter	Mechanical Operation Counter		For All models	CNT-W	17180
UVT controller	100-120V AC	Instantaneous operation	For All models	UCON-A120B-W(INST)	21120
	200-240V AC			UCON-A240BW(INST)	
	380-460V AC			UCON-A460BW(INST)	
	100-120V AC	0.5 sec time delay operation		UCON-A120B-W(05)	34190
	200-240V AC			UCON-A240B-W(05)	
	380-460V AC			UCON-A460B-W(05)	
	100-120V AC	3 sec time delay operation		UCON-A120B-W(30)	
	200-240V AC			UCON-A240B-W(30)	
	380-460V AC			UCON-A460B-W(30)	
	UVT COIL	to be used with UVT Controller		UVTcoil-W	7340
Cell switch	with 3 contacts for Indicating Service, Test, Isolated Positions of a Draw-out ACB		All Drawout Models	CL-3-W	28890
Mechanical Lock (combination of 3 Parts)	Base		For All models	CAL-NK-W	22580
	Lock			*AE-Lock A	5990
	Key			AE-KEY A	3080
VT Module	For Power Monitoring in Display		For All models	VT-W	37080
Display Module (combination of 2 Parts)	Single Display for all Parameters	Display Unit	For All models	DP1-W	51510
		Interface Unit		EX1-W	45510

GST Extra as Applicable

Air Circuit Breaker (ACB)

ACCESSORIES FOR ACBs

Category	Rated Voltage	Other Specification	Applicable ACB	Part Reference	LP (INR)
Motor charging device	100-125V AC-DC		AE630-SW 3P/4P - AE4000-SWA 3P/4P	MD-AD125-W	55710
	200-250V AC-DC			MD-AD250-W	
Mechanical interlock	1 no. of Mechanical Interlock to be ordered with each ACB		For AE630-SW 3P, AE1000-SW 3P, AE1250-SW 3P, AE1600-SW 3P, AE2000-SWA 3P	MI-203D-W	45390
			For AE630-SW 4P, AE1000-SW 4P, AE1250-SW 4P, AE1600-SW 4P, AE2000-SWA 4P	MI-204D-W	47580
			For AE2500-SW 3P-AE4000-SWA 3P	MI-403D-W	50990
			For AE2500-SW 4P-AE4000-SWA 4P	MI-404D-W	54860
Door interlock					
Communication interface unit	MODBUS-RTU (RS-485)		For All models	BIF-MD-W	89450
Door interlock			For Drawout type of all models	DI-D-W	67070

* Lock and Key combinations vary with locking/Interlocking permutations.
Please contact nearest Sales office for desired Combinations of Lock and Key

GST Extra as Applicable

Low Voltage Circuit Breakers



World Super
WS-V Series
Molded Case Circuit Breakers and Earth Leakage Circuit Breakers

High-Performance



Technologies based on long year experience are brought together to realize more improved performance

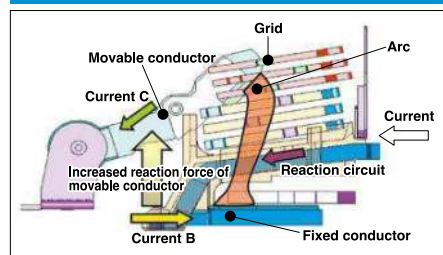
- The new circuit breaking technology “Expanded ISTAC” has improved the current-limiting performance and upgraded the overall breaking capacity. Expansion of the conductor under the stator shortens the contact parting time of the mover as compared to the conventional ISTAC structure. The current-limiting performance has been improved remarkably. (The maximum peak current value has been reduced by approx. 10%.)

Breaking capacity has been improved with this new technology and, in the case of class S, Icu is now equivalent to Ics.

Example of breaking capacity improvement

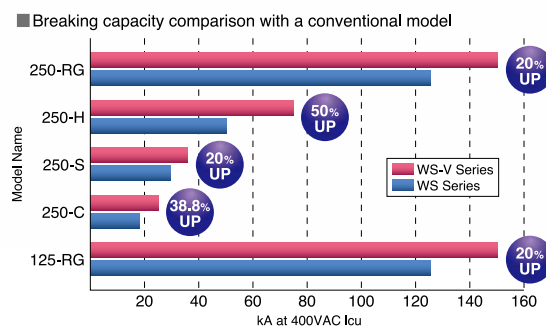


New circuit breaking technology (Expanded ISTAC)



Breaking capacity of 5 models is 20% to 50% higher than the W & WS Series

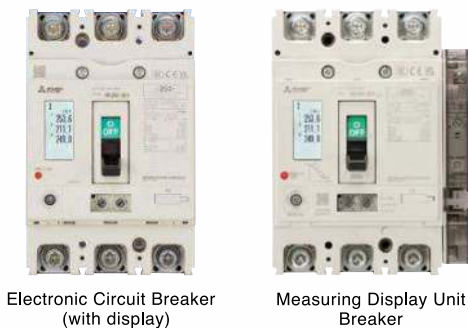
- Improvement of breaking capacity on 250AF-C/S/H models (Fixed) and 125AF/250AF-R models (Thermal/Adjustable).



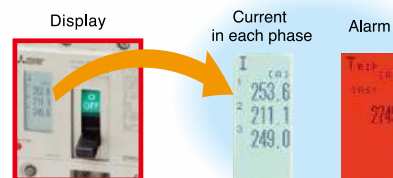


The new electronic circuit breakers (with display) and MDU breakers can display various measurement items

■ This will enable energy management through “visualization”, which leads to energy saving.

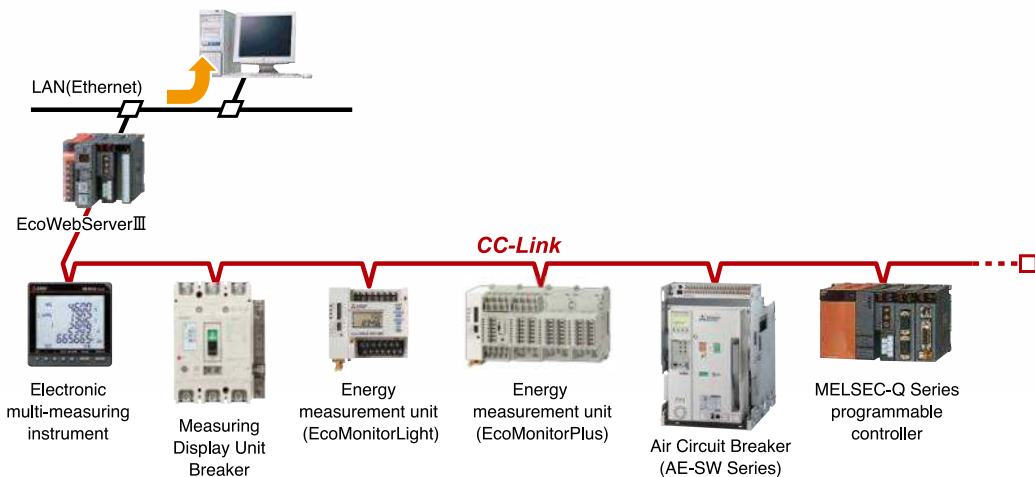


- The display is on the circuit breaker body and shows circuit information.
- Detailed setting can be done on the display.
- The display turns red during alarms.



Intelligent Communications through CC-Link

■ Measuring data can be transmitted to Personal Computer through CC-Link.



Standardization



Compact design for easy to use

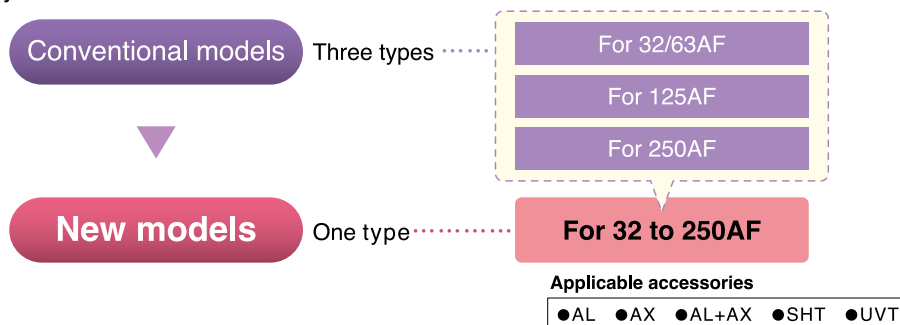
- The thermal adjustable circuit breakers and electronic circuit breakers are smaller.



- 250AF circuit breakers' fixed types (NF250-SV, NV250-SV) thermal adjustable types (NF250-SGV, NF250-HGV) and electronic types (NF250-SEV, NF250-HEV, NV250-SEV, NV250-HEV) are the same size, leading to the reduction and standardization of panel design.

Types of internal accessories are reduced from 3 types to 1 type

- Standardization of internal accessories contributes to the reduction of stock and delivery time.



- 32AF and 63AF circuit breakers can now be used in both AC and DC circuits without specifying when ordering. This will lead to prevention of ordering mistakes.
- The earth leakage circuit breakers can now be equipped with a voltage shunt trip device (SHT).

High Quality



Innovative manufacturing using a robot-cell production line

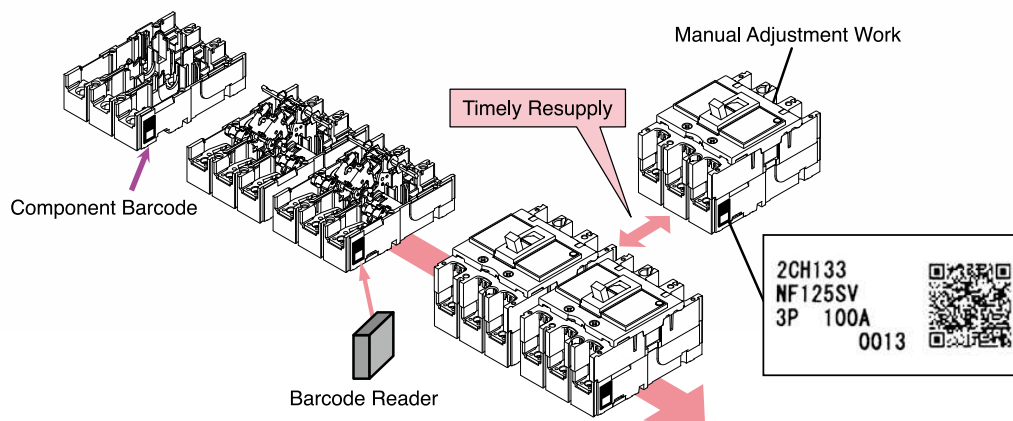
- This manufacturing innovation takes the pursuit of increased productivity, shortened manufacturing lead-time and improved quality to the upper limits.



Robot-cell Production Line

Individual unit production management system

- A multi-model, single-unit flow production system is utilized the ultimate multi-cycle production method. The production line is controlled using barcodes to manage the model information for each unit. Small-lot, flexible production that's one step ahead!



MOULDED - CASE CIRCUIT BREAKERS (MCCB)

Fixed Thermal Magnetic MCCB - NF63

- Conforms to IEC 60947-2 & EN 60947-2
- Thermal Magnetic Release: Fixed Overload & Short Circuit Protection
- Suitable for Isolation & DC application for 250V DC with 7.5kA breaking Capacity
- Compact Size



Rating (A)	Breaking Capacity	3 Pole Reference	LP (INR)	4 Pole Reference	LP (INR)
10	10 KA @415V AC (Ics =80% of Icu)	NF63-HV 3P 10A	3510	NF63-HV 4P 10A	7320
16		NF63-HV 3P 16A		NF63-HV 4P 16A	
20		NF63-HV 3P 20A		NF63-HV 4P 20A	
25		NF63-HV 3P 25A		NF63-HV 4P 25A	
32		NF63-HV 3P 32A		NF63-HV 4P 32A	
40		NF63-HV 3P 40A		NF63-HV 4P 40A	
50		NF63-HV 3P 50A		NF63-HV 4P 50A	
60		NF63-HV 3P 60A		NF63-HV 4P 60A	
63		NF63-HV 3P 63A		NF63-HV 4P 63A	

*Refer Usage Instruction and Connection Diagram in catalogue for DC

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB)

Fixed Thermal Magnetic MCCB - NF125

- Conforms to IEC 60947-2 & EN 60947-2
- Thermal Magnetic Release: Fixed Overload & Short Circuit Protection
- Suitable for Isolation
- Suitable for DC application @ 250 V DC, upto 40kA



Rating (A)	Breaking Capacity	3 Pole Reference	LP (INR)		
50	10 KA @415V AC (Ics =50% of Icu)	NF125-CV 3P 50A	3750		
60		NF125-CV 3P 60A			
63		NF125-CV 3P 63A			
75		NF125-CV 3P 75A			
80		NF125-CV 3P 80A			
100		NF125-CV 3P 100A			
125		NF125-CV 3P 125A	6450		
Rating (A)	Breaking Capacity	3 Pole Reference	LP (INR)	4 Pole Reference	LP (INR)
16	30 KA @415V AC (Ics =100% of Icu)	NF125-SV 3P 16A	9300	NF125-SV 4P 16A	12900
20		NF125-SV 3P 20A		NF125-SV 4P 20A	
32		NF125-SV 3P 32A		NF125-SV 4P 32A	
40		NF125-SV 3P 40A		NF125-SV 4P 40A	
50		NF125-SV 3P 50A		NF125-SV 4P 50A	
63		NF125-SV 3P 63A		NF125-SV 4P 63A	
80		NF125-SV 3P 80A		NF125-SV 4P 80A	
100		NF125-SV 3P 100A		NF125-SV 4P 100A	
125		NF125-SV 3P 125A	10050	NF125-SV 4P 125A	14340

*Refer Usage Instruction and Connection Diagram in catalogue for DC

*NF125-SV are Normal stock items

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB)

Fixed Thermal Magnetic MCCB - NF250

- Conforms to IEC 60947-2 & EN 60947-2
- Thermal Magnetic Release: Fixed Overload & Short Circuit Protection
- Suitable for Isolation
- Suitable for DC application upto 300V DC, upto 20kA



Rating (A)	Breaking Capacity	3 Pole Reference	LP (INR)	4 Pole Reference	LP (INR)
100	36KA @415V AC (Ics =100% of Icu)	NF250-SV 3P 100A	14150	NF250-SV 4P 100A	19170
125		NF250-SV 3P 125A		NF250-SV 4P 125A	
150		NF250-SV 3P 150A	18630	NF250-SV 4P 150A	23970
160		NF250-SV 3P 160A		NF250-SV 4P 160A	
175		NF250-SV 3P 175A	23130	NF250-SV 4P 175A	31220
200		NF250-SV 3P 200A		NF250-SV 4P 200A	
225		NF250-SV 3P 225A	25760	NF250-SV 4P 225A	34850
250		NF250-SV 3P 250A		NF250-SV 4P 250A	

*Refer Usage Instruction and Connection Diagram in catalogue for DC

*NF250-SV are Normal stock items

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB)

NF MCCBs with Adjustable Thermal (Overload) & Magnetic (Short Circuit)

- Conforms to IEC60947-2 & EN60947-2
- Rated Operational Voltage upto 690V AC
- Suitable for DC upto 300V DC & Breaking Capacity upto 40kA
- Overload Adjustable from (0.7 to 1)In
- Suitable for Isolation.



Rating (A)	Breaking Capacity	3 Pole Reference	LP (INR)	4 Pole Reference	LP (INR)
20	36KA @415V AC (Ics =100% of Icu)	NF125SGV3P16-20	18960	NF125SGV4P16-20	26240
25		NF125SGV3P20-25		NF125SGV4P20-25	
32		NF125SGV3P25-32		NF125SGV4P25-32	
40		NF125SGV3P32-40		NF125SGV4P32-40	
50		NF125SGV3P35-50		NF125SGV4P35-50	
63		NF125SGV3P45-63		NF125SGV4P45-63	
80		NF125SGV3P56-80		NF125SGV4P56-80	
100		NF125SGV3P70-100		NF125SGV4P70-100	
125		NF125SGV3P90-125		NF125SGV4P90-125	
20	70KA @415V AC (Ics =100% of Icu)	NF125HGV3P16-20	33210	NF125HGV4P16-20	40290
25		NF125HGV3P20-25		NF125HGV4P20-25	
32		NF125HGV3P25-32		NF125HGV4P25-32	
40		NF125HGV3P32-40		NF125HGV4P32-40	
50		NF125HGV3P35-50		NF125HGV4P35-50	
63		NF125HGV3P45-63		NF125HGV4P45-63	
80		NF125HGV3P56-80		NF125HGV4P56-80	
100		NF125HGV3P70-100		NF125HGV4P70-100	
125		NF125HGV3P90-125		NF125HGV4P90-125	

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB)

Rating (A)	Breaking Capacity	3 Pole Reference	LP(INR)	4 Pole Reference	LP (INR)
160	36KA @415V AC (lcs =100% of lcu)	NF250SGV3P125-160	31380	NF250SGV4P125-160	42410
200		NF250SGV3P140-200	48630	NF250SGV4P140-200	65720
250		NF250SGV3P175-250		NF250SGV4P175-250	
160	70KA @415V AC (lcs =100% of lcu)	NF250HGV3P125-160	64070	NF250HGV4P125-160	83190
200		NF250HGV3P140-200	71570	NF250HGV4P140-200	92970
250		NF250HGV3P175-250		NF250HGV4P175-250	

* Refer Usage Instruction and Connection Diagram in catalogue for DC.

*NF125-SGV, NF160-SGV, NF250-SGV are Normal Stock Items

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB)

MCCB's with Microprocessor based Protection Release

- Conforms to IEC60947-2 & EN60947-2.
- Rated Operational Voltage upto 690V AC, Breaking Capacity upto 200 KA".
- Overload Adjustable (I_r) from (0.5 to 1) In.
- Short Circuit Adjustable from (2-10)I_r above 250 Amp
- Suitable for Isolation.



Rating (A)	Breaking Capacity	3 Pole Reference	LP (INR)	4 Pole Reference	LP (INR)
32	36KA @415V AC (I _{cs} =100% of I _{cu})	NF125-SEV 3P16-32A	31590	NF125-SEV 4P16-32A	42720
63		NF125-SEV 3P 32-63A		NF125-SEV 4P 32-63A	
125		NF125-SEV 3P 63-125A		NF125-SEV 4P 63-125A	
160		NF250-SEV 3P 80-160A	44490	NF250-SEV 4P 80-160A	59280
250		NF250-SEV 3P 125-250A	53100	NF250-SEV 4P 125-250A	69500
400	50KA @415V AC (I _{cs} =100% of I _{cu})	NF400SEW3P400A	73040	NF400SEW4P400A	94770
630		NF630SEW3P630A	78150	NF630SEW4P630A	114960
800		NF800SEW3P800A	130910	NF800SEW4P800A	167550
1000	85KA @ 415V AC (I _{cs} =50% of I _{cu})	NF1000-SEW 3P 1000A	Price on Request	NF1000-SEW 4P 1000A	Price on Request
1250		NF1250-SEW 3P 1250A		NF1250-SEW 4P 1250A	
1600		NF1600-SEW 3P 1600A		NF1600-SEW 4P 1600A	
32	70kA @415V AC (I _{cs} =100% of I _{cu})	NF125-HEV 3P16-32A	46430	NF125-HEV 4P16-32A	57840
63		NF125-HEV 3P 32-63A		NF125-HEV 4P 32-63A	
125		NF125-HEV 3P 63-125A		NF125-HEV 4P 63-125A	
160		NF250-HEV 3P 80-160A	49710	NF250-HEV 4P 80-160A	55610
250		NF250-HEV 3P 125-250A	70620	NF250-HEV 4P 125-250A	95790
400		NF400-HEW 3P 400	89120	NF400HEW4P400	119750
630		NF630-HEW 3P 630	92570	NF630HEW4P630	144540

Note:

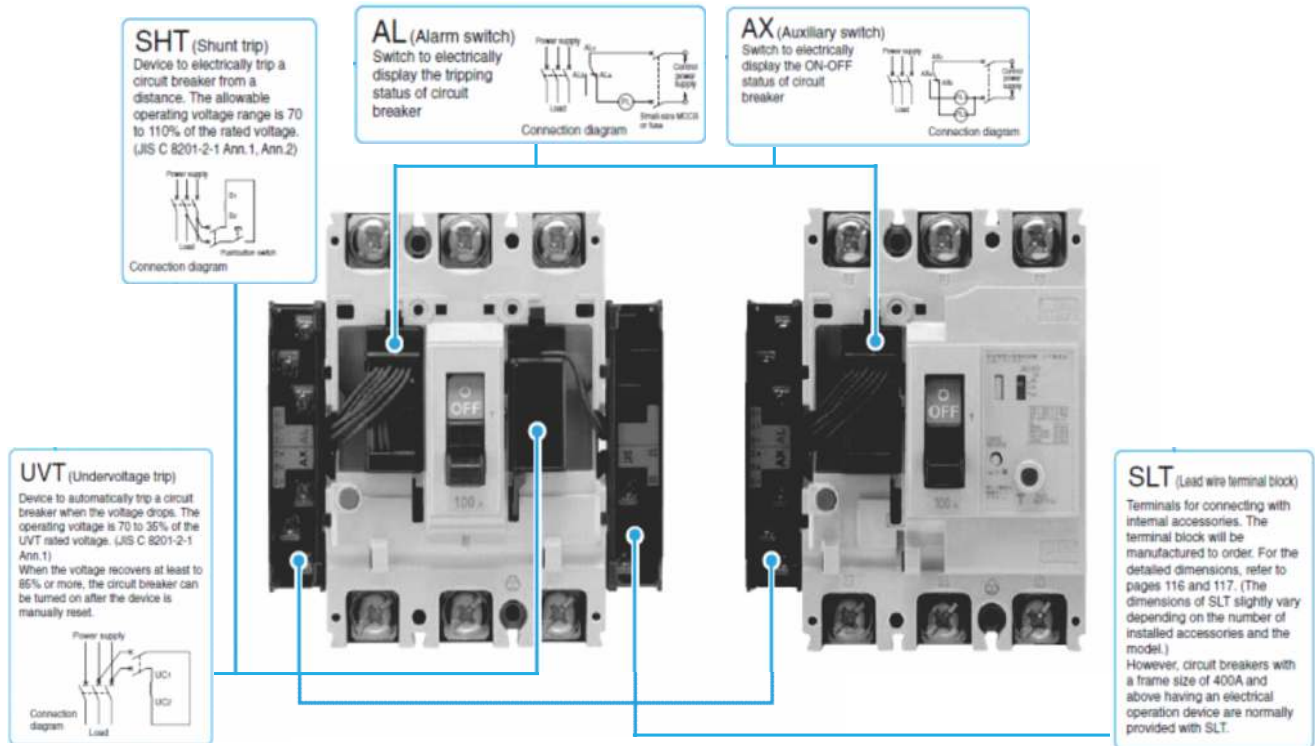
*NF400-SEW, NF630-SEW, NF800-SEW are Normal Stock Items

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB) ACCESSORIES

MCCB Internal Accessories



Application for Model	Category	Reference	LP
NF(63-250AF) MCCB's and NV63-NV250 ELMCCB	Alarm switch (AL), lead wire type	AL-05SV*	3110
	Alarm switch (AL), with Side terminal block (SLT)	AL-05SV_*S	4440
	Auxillary switch (AX), lead wire type	AX-05SV*	2840
	Auxillary switch (AX), with Side terminal block (SLT)	AX-05SV_*S	3920
	Alarm switch + Auxillary switch, lead wire type	ALAX-05SV_*	5940
	Alarm switch + Auxillary switch, with Side terminal block (SLT)	ALAX-05SVS	7040
	Shunt tripping Device (SHT), lead wire type	SHT**-05SV_*	4950
	Shunt tripping Device (SHT), with Side terminal block (SLT)	SHT**05SV_*S	6240
	Under Voltage Tripping Device (UVT)	UVTN -05SV	12080
Under Voltage Tripping Device (UVT), with Side terminal block (SLT)	UVTN_-05SV_*S	14640	

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB) ACCESSORIES

MCCB Internal Accessories

Application for Model	Category	Reference	LP
NF(400-800AF) MCCB's and NV400-NV800 ELMCCB	Alarm switch (AL), lead wire type	AL-4SW__*	4010
	Alarm switch (AL), with Side terminal block (SLT)	AL-4SW__*S	4740
	Auxillary switch (AX), lead wire type	AX-4SW_*	3290
	Auxillary switch (AX), with Side terminal block (SLT)	AX-4SW_*S	5460
	Alarm switch + Auxiliary switch, lead wire type	ALAX-4SW__*	8750
	Alarm switch + Auxiliary switch, with Side terminal block (SLT)	ALAX-4SW_*S	10310
	Shunt tripping Device (SHT), lead wire type	SHT**-4SW_*	10520
	Shunt tripping Device (SHT), with Side terminal block (SLT)	SHT**-4SW_*S	16460
	Under Voltage Tripping Device (UVT)	UVTN_-4SW_	18960
	Under Voltage Tripping Device (UVT), with Side terminal block (SLT)	UVTN_-4SW_*S	23360

_ * = Add suffix R for right side mounting OR suffix L for Left side mounting of the Accessories inside MCCB. S = Stands for SLT terminal.

* Accessories in ELCB can be added only on Left Side

** Please mention voltage (refer below table)

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

Accessories in ELCB can be added only on the left side

GST Extra as Applicable

Shunt tripping Device (SHT) / Under Voltage Tripping Device (UVT) available voltage ranges.

AC voltage	AC Voltage Code	Installation option	Code
24-48V AC	A048	Left Side	L
100-240V AC	A240	Right Side	R
380-550V AC	A550	Left Side with SLT	LS
		Right Side with SLT	RS

DC voltage	DC voltage Code
12V DC	D012
24-36V DC	D036
36-48V DC	D048
100-125V DC	D125
200-250V DC	D250

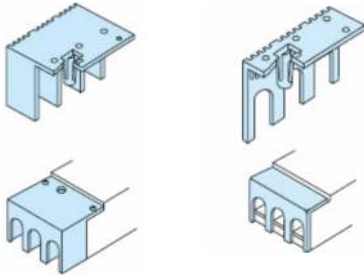
MOULDED - CASE CIRCUIT BREAKERS (MCCB) ACCESSORIES

MCCB External Accessories upto WS-V(NF/NV(63-250AF))

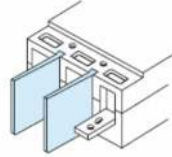
- Operating handle
- Breaker mounted type (F-Type)
- Panel door mounted type (V-Type)



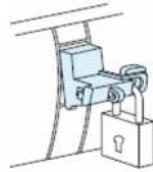
- Terminal cover
- Large type (TC-L)
- Small type (TC-S)



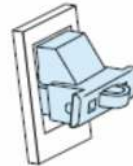
- Insulation barrier (BA)



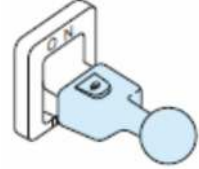
- Handle lock (HL)



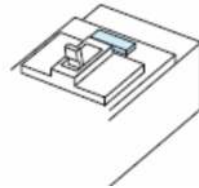
- Lock cover (LC)



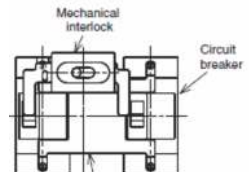
- Auxiliary handle (HT)



- Card holder (CH)



- Mechanical interlock (MI)



MCCB Model	Accessory Type	Reference	LP
NF63-HV & NV63-SV	Door Mounted Extended Rotary handle	V-05SV	5280
NF125-CV/SV & NV125-SV		V-1SV	5280
NF125-SEV/HEV/SGV/HGV, Nf250-SV/SGV/HGV/SEV/HEV		V-2SV	6470
Extention rod for door mounted handles (suitable for MCCB & ELMCB upto 250A)	Adjustable Rod to be used with Door Mounted Extended Rotary Handle (V-Type)	V-AD3S	860

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office

GST Extra as Applicable

MOULDED - CASE CIRCUIT BREAKERS (MCCB) ACCESSORIES

MCCB External Accessories upto WS-V(NF/NV(63-250AF))

MCCB Model	Accessory Type	Reference	LP
NF63-HV & NV63-SV	Direct Rotary handle	F-05SV	5910
NF125-CV/SV & NV125-SV		F-1SV	5910
NF125-SEV/HEV/SGV/HGV, NF250-SV/SGV/HGV/SEV/HEV		F-2SV	6690
For NF 250 (Fix type), NF 125 and NF 250 adjustable	Spreader for 100/125/160/250 (Set of 3) 3P	SPR250A-3P	1500
	Spreader for 100/125/100/250 (Set of 4) 4P	SPR250A-4P	2030
For All Model From NF63/NV63 to NF250/NV250	Handle lock device	HLF-05SV	540
	Lock cover	LC-05SV	300
	IEC 35-mm Rail Mounting Adapters	DIN-05SV	380
	Mechanical interlock-Panel mouting type for [2Pole/3Pole] (*)	MI-05SV3	5820
	(4Pole)	MI-05SV4	5850

MCCB Model	Accessory Type	Reference	LP
NF(400-800AF) MCCB's and NV400-NV800 ELMCCB (Spreader applicable up to 630A for rating higher than 630 spreader supplied as standard)	Door mounted extention handle (V-type)- for 400/630A	V-4S	7000
	Door mounted extention handle (V-type)- for 800A	V-8S	19080
	Adjustable Rod to be used with Door Mounted Extended Rotary Handle (V-Type)	V-AD3L	990
	Breaker mounted fixed handle (F-type)	F-4S	6480
	Breaker mounted fixed handle (F-type)	F-8S	12320
	Spreader for 400/630AF (Set of 3) 3P	SPR630A-3P	2810
	Spreader for 400/630AF (Set of 4) 4P	SPR630A-4P	4170
	Mechanical interlock (for 400/630A) for 3P	MI-4SW3	28920
	Mechanical interlock (for 400/630A) for 4P	MI-4SW4	31680
	Mechanical interlock (for 800A) for 3P	MI-8SW3	36800
	Mechanical interlock (for 800A) for 4P	MI-8SW4	37140
	Phase Barrier for NF800 (Order 2nos. for 3P & 3nos. for 4P)	BAF-8SW	240

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable



**Final Distribution
Products**

Take a Risk-Free Leap using our **FINAL DISTRIBUTION PRODUCTS**



Key Features - MCB / RCCB

- Confirming IS/IEC/EN60898-1
- Certification marketing KEMA, CB (DERKA) Netherland, CE, ISI
- Low watt Loss
- Energy Limiting Class 3
- Isolation
- Legend Plates for Circuit Identification

Key Features - DB

- IP-43
- Cement Protection Sheet Provided as Standard
- Shrouded Neutral Link
- Insulated Bus Bar & Door Earthing

FINAL DISTRIBUTION PRODUCTS

Miniature Circuit Breakers

- Conforms to IEC/EN60898-1
- Protects Against Overload & Short Circuit
- Available in 1P/2P/3P/4P.B/C/Curve, 10kA
- Energy Limiting Class 3
- Suitable 50/60HZ.



B Curve

Ampere	Item Reference	UNIT LP INR	Item Reference	UNIT MRP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
	SP		DP		TP		FP	
6A	BHW-T10 1P B6	400	BHW-T10 2P B6	1280	BHW-T10 3P B6	1970	BHW-T10 4P B6	2650
10A	BHW-T10 1P B10		BHW-T10 2P B10		BHW-T10 3P B10		BHW-T10 4P B10	
16A	BHW-T10 1P B16		BHW-T10 2P B16		BHW-T10 3P B16		BHW-T10 4P B16	
20A	BHW-T10 1P B20		BHW-T10 2P B20		BHW-T10 3P B20		BHW-T10 4P B20	
25A	BHW-T10 1P B25		BHW-T10 2P B25		BHW-T10 3P B25		BHW-T10 4P B25	
32A	BHW-T10 1P B32		BHW-T10 2P B32		BHW-T10 3P B32		BHW-T10 4P B32	
40A	BHW-T10 1P B40	940	BHW-T10 2P B40	2040	BHW-T10 3P B40	3050	BHW-T10 4P B40	3880
50A	BHW-T10 1P B50		BHW-T10 2P B50		BHW-T10 3P B50		BHW-T10 4P B50	
63A	BHW-T10 1P B63		BHW-T10 2P B63		BHW-T10 3P B63		BHW-T10 4P B63	

*6A-32A are Normal Stock Item

C Curve

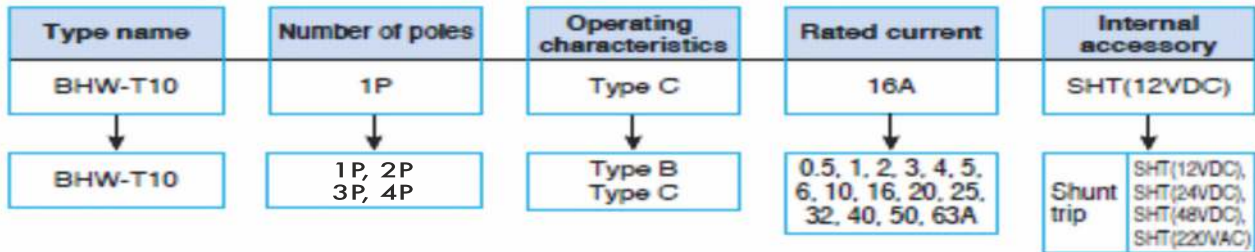
Ampere	Item Reference	UNIT LP INR	Item Reference	UNIT MRP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
	SP		DP		TP		FP	
0.5A	BHW-T10 1P C0.5	670	BHW-T10 2P C0.5	1810	BHW-T10 3P C0.5	2780	BHW-T10 4P C0.5	3760
1A	BHW-T10 1P C1	670	BHW-T10 2P C1	1810	BHW-T10 3P C1	2600	BHW-T10 4P C1	3520
2A	BHW-T10 1P C2		BHW-T10 2P C2		BHW-T10 3P C2		BHW-T10 4P C2	
3A	BHW-T10 1P C3		BHW-T10 2P C3		BHW-T10 3P C3		BHW-T10 4P C3	
4A	BHW-T10 1P C4		BHW-T10 2P C4		BHW-T10 3P C4		BHW-T10 4P C4	
6A	BHW-T10 1P C6	400	BHW-T10 2P C6	1280	BHW-T10 3P C6	1970	BHW-T10 4P C6	2650
10A	BHW-T10 1P C10		BHW-T10 2P C10		BHW-T10 3P C10		BHW-T10 4P C10	
16A	BHW-T10 1P C16		BHW-T10 2P C16		BHW-T10 3P C16		BHW-T10 4P C16	
20A	BHW-T10 1P C20		BHW-T10 2P C20		BHW-T10 3P C20		BHW-T10 4P C20	
25A	BHW-T10 1P C25		BHW-T10 2P C25		BHW-T10 3P C25		BHW-T10 4P C25	
32A	BHW-T10 1P C32		BHW-T10 2P C32		BHW-T10 3P C32		BHW-T10 4P C32	
40A	BHW-T10 1P C40	940	BHW-T10 2P C40	2040	BHW-T10 3P C40	3050	BHW-T10 4P C40	3880
50A	BHW-T10 1P C50		BHW-T10 2P C50		BHW-T10 3P C50		BHW-T10 4P C50	
63A	BHW-T10 1P C63		BHW-T10 2P C63		BHW-T10 3P C63		BHW-T10 4P C63	

*6A-63A are Normal Stock Item

GST Extra as Applicable

FINAL DISTRIBUTION PRODUCTS

Ordering Information



Accessories for MCB

Description	Item Reference	UNIT LP INR
Add for Auxiliary Contact (available field fittable)	AX-05BHW	830

Note:- Minimum order quantity for MCB's

No. of Poles	Orders in Multiples of	No. of Poles	Orders in Multiples of
1P	12	3P	4
2P	6	4P	3

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

FINAL DISTRIBUTION PRODUCTS

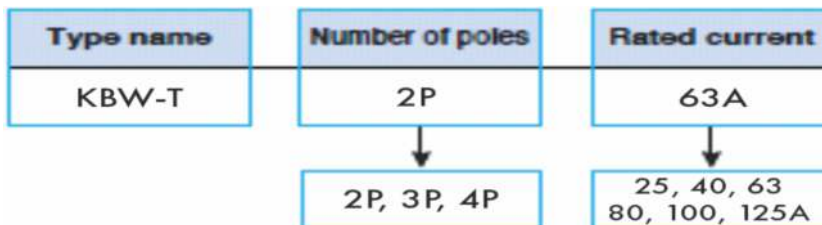
Isolators

- Conforms to IEC60947-3
- Available in 2P/3P/4P.
- Suitable 50/60HZ.



Ampere	Item Reference	UNIT MRP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
	DP		TP		FP	
25A	KBW-T 2P 25A	960	KBW-T 3P 25A	1420	KBW-T 4P 25A	2160
40A	KBW-T 2P 40A	1000	KBW-T 3P 40A	1580	KBW-T 4P 40A	2200
63A	KBW-T 2P 63A	1220	KBW-T 3P 63A	1750	KBW-T 4P 63A	2400
80A	KBW-T 2P 80A	1370	KBW-T 3P 80A	3670	KBW-T 4P 80A	4390
100A	KBW-T 2P 100A	1940	KBW-T 3P 100A	3730	KBW-T 4P 100A	4570
125A	KBW-T 2P 125A	1990	KBW-T 3P 125A	3830	KBW-T 4P 125A	4730

Isolator Ordering Code



Note:- Minimum order quantity for Isolators

No. of Poles	Orders in Multiples of
2P	6
3P	4
4P	3

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

FINAL DISTRIBUTION PRODUCTS

RCCB

- Conforms to IEC/EN61008-1
- Protects Against Earth Leakage Current & Electric Shocks
- Available in 2P/4P
- Leakage Sensitivity-30mA/100mA/300mA
- Suitable 50/60HZ.

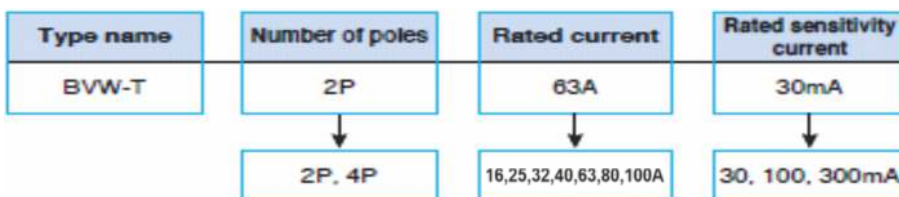


Ampere	Item Reference	UNIT LP INR	Item Reference	UNIT MRP INR
	2P		4P	
16A	BVW-T 2P 16A 30M	4870	BVW-T 4P 16A 30M	6700
25A	BVW-T 2P 25A 30M	5260	BVW-T 4P 25A 30M	6860
32A	BVW-T 2P 32A 30M	5710	BVW-T 4P 32A 30M	7010
40A	BVW-T 2P 40A 30M	6020	BVW-T 4P 40A 30M	7160
63A	BVW-T 2P 63A 30M	7100	BVW-T 4P 63A 30M	8090
80A	BVW-T 2P 80A 30M	9680	BVW-T 4P 80A 30M	10680
100A	BVW-T 2P 100A 30M	10900	BVW-T 4P 100A 30M	11740
16A	BVW-T 2P 16A 100M	4870	BVW-T 4P 16A 100M	6700
25A	BVW-T 2P 25A 100M	5260	BVW-T 4P 25A 100M	6860
32A	BVW-T 2P 32A 100M	5710	BVW-T 4P 32A 100M	7010
40A	BVW-T 2P 40A 100M	6020	BVW-T 4P 40A 100M	7160
63A	BVW-T 2P 63A 100M	7100	BVW-T 4P 63A 100M	8090
80A	BVW-T 2P 80A 100M	9680	BVW-T 4P 80A 100M	10680
100A	BVW-T 2P 100A 100M	10900	BVW-T 4P 100A 100M	11740
16A	BVW-T 2P 16A 300M	4870	BVW-T 4P 16A 300M	6700
25A	BVW-T 2P 25A 300M	5260	BVW-T 4P 25A 300M	6860
32A	BVW-T 2P 32A 300M	5710	BVW-T 4P 32A 300M	7010
40A	BVW-T 2P 40A 300M	6020	BVW-T 4P 40A 300M	7160
63A	BVW-T 2P 63A 300M	7100	BVW-T 4P 63A 300M	8090
80A	BVW-T 2P 80A 300M	9680	BVW-T 4P 80A 300M	10680
100A	BVW-T 2P 100A 300M	10900	BVW-T 4P 100A 300M	11740

*2P 25 to 40A 30mA & 4P 25 to 63A 30mA & 100mA are Normal stock Item.

GST Extra as Applicable

RCCB Ordering Code



Note:- Minimum order quantity for RCCB

No. of Poles	Orders in Multiples of
2P	6
4P	3

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

FINAL DISTRIBUTION PRODUCTS

Metallic Distributions Board, Double Door, IP43

SPN - Distribution Board

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
SPN DB 4 WAY	2+2	MEIDBSPNDD04	2410
SPN DB 6 WAY	2+4	MEIDBSPNDD06	2720
SPN DB 8 WAY	2+6	MEIDBSPNDD08	3020
SPN DB 10 WAY	2+8	MEIDBSPNDD10	3280
SPN DB 12 WAY	2+10	MEIDBSPNDD12	3620
SPN DB 14 WAY	2+12	MEIDBSPNDD14	4240
SPN DB 16 WAY	2+14	MEIDBSPNDD16	4500
SPN DB 18 WAY	2+16	MEIDBSPNDD18	4830

TPN Horizontal - Distribution Board

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
TPN DB 4 WAY Horizontal	8+12	MEIDBTPNHDD04	5990
TPN DB 6 WAY Horizontal	8+18	MEIDBTPNHDD06	7200
TPN DB 8 WAY Horizontal	8+24	MEIDBTPNHDD08	8460
TPN DB 12 WAY Horizontal	8+36	MEIDBTPNHDD12	12080

TPN Vertical - Distribution Board

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
TPN DB 4 WAY Vertical	8+12	MEIDBTPNVDD04	10460
TPN DB 6 WAY Vertical	8+18	MEIDBTPNVDD06	10820
TPN DB 8 WAY Vertical	8+24	MEIDBTPNVDD08	11200
TPN DB 12 WAY Vertical	8+36	MEIDBTPNVDD12	13160
TPN DB 16 WAY Vertical	8+48	MEIDBTPNVDD16	15300

VPPI - Vertical Distribution Board

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
4 WAY VPPI DD DB	4+2+12	MEIDBTPNVPPIDD04	10630
6 WAY VPPI DD DB	4+2+18	MEIDBTPNVPPIDD06	10860
8 WAY VPPI DD DB	4+2+24	MEIDBTPNVPPIDD08	12860
10 WAY VPPI DD DB	4+2+30	MEIDBTPNVPPIDD10	13740
12 WAY VPPI DD DB	4+2+36	MEIDBTPNVPPIDD12	14770
16 WAY VPPI DD DB	4+2+48	MEIDBTPNVPPIDD16	16800

FINAL DISTRIBUTION PRODUCTS

HPPI - Horizontal Distribution Board

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
4 WAY HPPI DD DB	4+2+12	MEIDBTPNHPPIDD04	9060
6 WAY HPPI DD DB	4+2+18	MEIDBTPNHPPIDD06	9710
8 WAY HPPI DD DB	4+2+24	MEIDBTPNHPPIDD08	10860
10 WAY HPPI DD DB	4+2+30	MEIDBTPNHPPIDD10	12940
12 WAY HPPI DD DB	4+2+36	MEIDBTPNHPPIDD12	14270
16 WAY HPPI DD DB	4+2+48	MEIDBTPNHPPIDD16	15610

VTPN MCB 63A - Distribution Board (Bus Bar)

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
VTPN MCB 125A 4W DD DB	1+4	MEIDBMCB125DD04	12720
VTPN MCB 125A 6W DD DB	1+6	MEIDBMCB125DD06	14940
VTPN MCB 125A 8W DD DB	1+8	MEIDBMCB125DD08	17710
VTPN MCB 125A 12W DD DB	1+12	MEIDBMCB125DD12	21730

VTPN 125 MCCB - Distribution Board 3P/4P MCCB Incommer

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
VTPN 125A 4W DD DB	1+4	MEIDBMCCB125DD04	15010
VTPN 125A 6W DD DB	1+6	MEIDBMCCB125DD06	19810
VTPN 125A 8W DD DB	1+8	MEIDBMCCB125DD08	22400
VTPN 125A 12W DD DB	1+12	MEIDBMCCB125DD12	24290

VTPN 250 MCCB - Distribution Board 3P/4P MCCB Incommer

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
VTPN 250A 4W DD DB	1+4	MEIDBMCCB250DD04	16210
VTPN 250A 6W DD DB	1+6	MEIDBMCCB250DD06	17390
VTPN 250A 8W DD DB	1+8	MEIDBMCCB250DD08	21130
VTPN 250A 12W DD DB	1+12	MEIDBMCCB250DD12	25860

GST Extra as Applicable

FINAL DISTRIBUTION PRODUCTS

Phase Segregated Distribution Board - 7 Segment

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
IP43 4W 7 SEGMENT DB	8+12+12	MEIDB7SEGDD04	13910
IP43 6W 7 SEGMENT DB	8+12+18	MEIDB7SEGDD06	15120
IP43 8W 7 SEGMENT DB	8+12+24	MEIDB7SEGDD08	18140
IP43 12W 7 SEGMENT DB	8+12+36	MEIDB7SEGDD12	21770

Phase Selector Distribution Board

Description	Modules I/C +O/G	Item Reference	UNIT LP INR
4 Way 63A Selector Switch	4	MEIDBPHSDD04RS63	18770
6 Way 63A Selector Switch	6	MEIDBPHSDD06RS63	19760
8 Way 63A Selector Switch	8	MEIDBPHSDD08RS63	20610
12 Way 63A Selector Switch	12	MEIDBPHSDD12RS63	22240
4 Way 40A Selector Switch	4	MEIDBPHSDD04RS40	18760
6 Way 40A Selector Switch	6	MEIDBPHSDD06RS40	19560
8 Way 40A Selector Switch	8	MEIDBPHSDD08RS40	20410
12 Way 40A Selector Switch	12	MEIDBPHSDD12RS40	22030

Flexi Tier Distribution Board

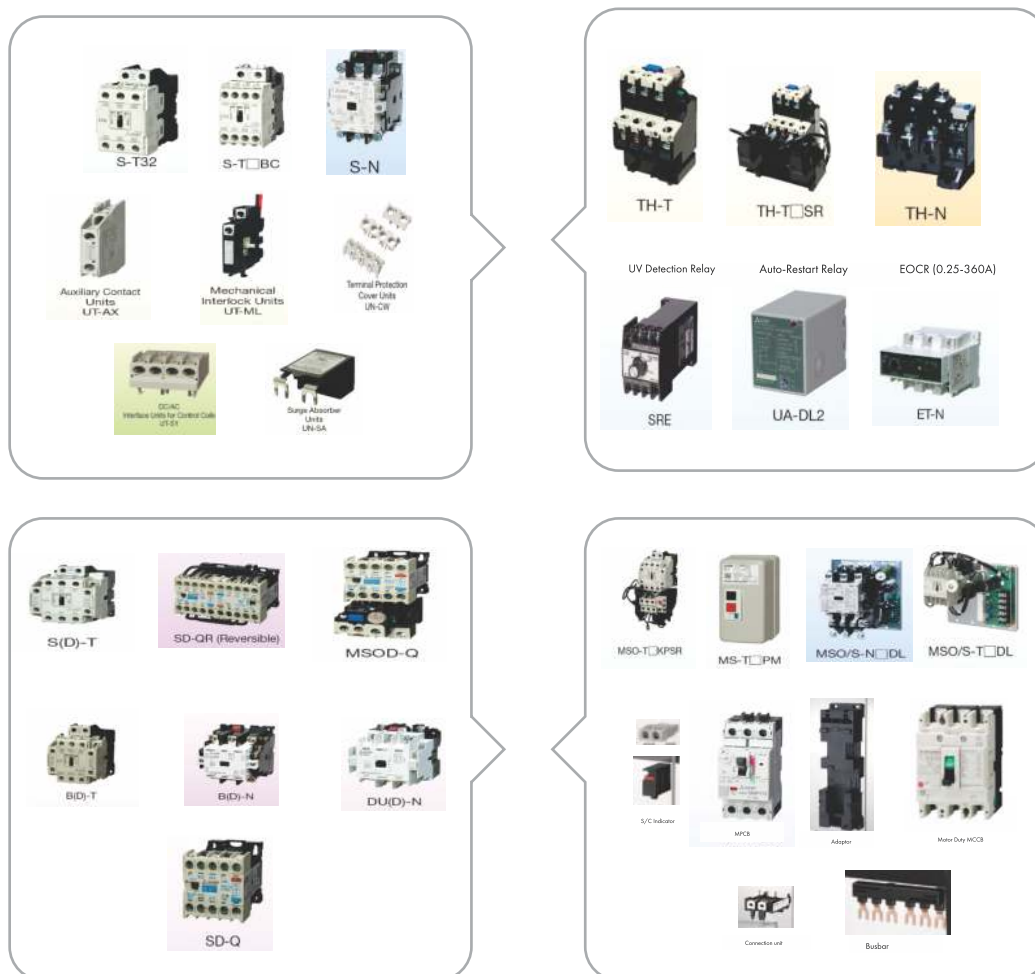
Description	Modules I/C +O/G	Item Reference	UNIT LP INR
IP43 2 ROW 13 MODULE FLEXI DD DB	26	MEIDBFLDD2R13	6930
IP43 2 ROW 14 MODULE FLEXI DD DB	28	MEIDBFLDD2R14	7120
IP43 3 ROW 13 MODULE FLEXI DD DB	39	MEIDBFLDD3R13	8860
IP43 3 ROW 14 MODULE FLEXI DD DB	42	MEIDBFLDD3R14	9120
IP43 4 ROW 13 MODULE FLEXI DD DB	52	MEIDBFLDD4R13	10580
IP43 4 ROW 14 MODULE FLEXI DD DB	56	MEIDBFLDD4R14	10920

GST Extra as Applicable



Switching, Protection & Control Products

SWITCHING, PROTECTION AND CONTROL PRODUCTS



Key Features

- Range from 9A upto 800 A
- Smaller Sizes, Higher Electrical Mechanical Switching Life
- Available in slimline reversing type
- Integrated terminal cover
- Wide range of operating coils, Low VA, Energy Efficient
- Auxiliary Contactors suitable for direct control operation from PLC output
- Easy branch circuit wiring with MPCB
- IEC, EN, JIS, Marine, UL, CSA certified
- Suitable for 50/60Hz

SWITCHING, PROTECTION & CONTROL PRODUCTS

Auxiliary Contactors

No. of Contacts	Contact Rating	Reference with AC coils	UNIT LP INR	Reference with DC coils	UNIT LP INR
5	"Ith=10A," "AC12 @440V=5A (Resistive Loads)"	SR-T5 AC...V 5A	2560	SRD-T5 DC...V 5A	3660
5		SR-T5 AC...V 4A1B		SRD-T5 DC...V 4A1B	
5		SR-T5 AC...V 3A2B		SRD-T5 DC...V 3A2B	
9		SR-T9 AC...V 9A	Price on Request	SRD-T9 DC...V 9A	Price on Request
9		SR-T9 AC...V 7A2B		SRD-T9 DC...V 7A2B	
9		SR-T9 AC...V 5A4B		SRD-T9 DC...V 5A4B	



*SR-T5 AC200V 3A2B is Normal Stock Item

Power Contactors

- Conforms to IEC60947-4, JIS, CCC, UL
- Available for 9A to 800A, 50/60HZ
- AC/DC control Low VA coils for Energy Saving
- High Electrical/Mechanical Life
- Suitable for simple to heavy duty application.



Ampere at 380-440VAC	KVAR Rating 400-440V	Inbuilt Contact	Reference with AC coils	UNIT LP INR	Reference with DC coils	UNIT LP INR
9A	3	1NO	S-T10 AC V 1A	2060		
9A	3	1NC	S-T10 AC V 1B	2060		
12A	4	1NO+1NC	S-T12 AC V 1A1B	2690	SD-T12 DC V1A1B	4370
18A	8.3	1NO+1NC	S-T20 ACV 1A1B	3280	SD-T20 DC V 1A1B	5550
23A	10	2NO+2NC	S-T21 AC V 2A2B	4060	SD-T21 DC V 2A2B	5660
30A	15.2	2NO+2NC	S-T25 AC_V2A2B	5540		
32A	-		S-T32 AC V	5640	SD-T32 DC V	10300
40A	20	2NO+2NC	S-T35 ACV 2A2B	10820	SD-T35 DC V 2A2B	12210
50A	27	2NO+2NC	S-T50 AC_V 2A2B	11250	SD-T50 DC_V 2A2B	20340
65A	34	2NO+2NC	S-T65 AC V2A2B	15920	SD-T65 DC V2A2B	25550
80A	40	2NO+2NC	S-T80 ACV 2A2B	19090	SD-T80 DCV 2A2B	36120
105A	60	2NO+2NC	S-T100 ACV 2A2B	22290	SD-T100 DC_V 2A2B	44110
120A	65	2NO+2NC	S-N125 ACV 2A2B	27490	SD-N125 DC_V 2A2B	47630
150A	80	2NO+2NC	S-N150 ACV 2A2B	39140	SD-N150 DCV 2A2B	58340
180A	125	2NO+2NC	S-N180 ACV 2A2B	50980		

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

LVS PRICE LIST w.e.f April 2026

SWITCHING, PROTECTION & CONTROL PRODUCTS

Power Contactors

Ampere at 380-440VAC	KVAR Rating 400-440V	Inbuilt Contact	Reference with AC coils	UNIT LP INR	Reference with DC coils	UNIT LP INR
250A	120	2NO+2NC	S-N220 ACV 2A2B	65820	SD-N220 DCV 2A2B	92350
300A	150	2NO+2NC	S-N300 ACV 2A2B	89540	SD-N300 DCV 2A2B	110480
400A	200	2NO+2NC	S-N400 AC_V 2A2B	97940	SD-N400 DC_V 2A2B	120990

Note 1: Mechanically Latched type contactor & control relay's prices available on request.

Note2: Details & prices of low voltage vacuum contactor's available on request.

*All AC coil contactors up to 800A with 220V AC coil are Normal Stock Item

Coil Ratings & Ordering Designation

Contractor Rating	Ordering Designation - AC	AC Rated Voltage 50/60HZ	DC Rated Voltage	Ordering Designation - DC
For S(D)-T10-S(D)-T100, SR-T5, SR-T9, SRD-T5, SRD-T9, S-N125-SN-800, SD-N125 - SD-N800	AC24V*	24	12	DC12V***
	AC48V**	48-50	24	DC24V
	AC100V	100-127	48	DC48V
	AC200V	200-240	100	DC100V
	AC300V	260-300	110	DC110V
	AC400V	380-440	120-125	DC125V
	AC500V	460-550	200	DC200V
			220	DC220V

Note: *AC24V coils are available for maximum 150A Contactor (S-N150)

**AC48V coils are available for maximum 400A Contactor (S-N400)

*** DC12V coils are available for maximum 400A Contactor (SD-N400)

GST Extra as Applicable

SWITCHING, PROTECTION & CONTROL PRODUCTS

Accessories for Power Contactors

	Applicable Contactors	No of Contact	TYPE	Contact Configuration	Item Reference	UNIT LP INR
Auxiliary Contact Block	ST-10-50/SD-T12-50 SR(D)-T5	2	Front Connection	1NO+1NC	UT-AX2 1A1B	910
				2NO	UT-AX2 2A	910
				2NC	UT-AX2 2B	910
		4		2NO+2NC	UT-AX4 2A2B	1380
				3NO+1NC	UT-AX4 3A1B	1380
				4NO	UT-AX4 4A	1710
	ST-10-50/SD-T12-50 SR(D)-T5	2	Side Connection	1NO+1NC	UT-AX11 1A1B	2000
	S-(D)T-65/80	2	Front Connection	1NO+1NC	UN-AX2 1A1B	1120
		4		2NO+2NC	UN-AX4 2A2B	1710
	S(D) -T-100, S(D) -N125	2	Side Connection	1NO+1NC	UN-AX80 1A1B	1500
S(D) -N150, -N180, -N220,-N300, -N400				1NO+1NC	UN-AX150 1A1B	1600
	S(D) -N600, -N800	4		2NO+2NC	UN-AX600	5620
Mechanical Interlock	Applicable Contactors			Item Reference	UNIT LP INR	
	S-T10 to S-T20, SD-T12, SD-T20			UT-ML20	2980	
	S-T21 to S-T80 & SD-T21 to SD-T80			UN-ML21	1340	
	S-T100, S-N125 & SD-T100, SD-N125			UN-ML80	1710	
	S-N150 & SD-N150			UN-ML150	2110	
	S-N180 to S-N400 & SD-N220 to SD-N400			UN-ML220	2500	



*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office

SWITCHING, PROTECTION & CONTROL PRODUCTS

Accessories for Power Contactors

	Applicable Contactors	Type	Voltage options (as per coil voltage)	Operating Range	Item Reference	UNIT LP INR
Surge Absorber (for coil circuit)	S-T10 to S-T50, SD-T12 to SD-T50, SR(D)-T5, SR(D)-T9	With Varistor	AC24V	12-24V AC/DC	UT-SA21 AC_V	1570
			AC48V	24-50V AC		
				24-48V DC		
			AC200V	100-240V AC 100-220V DC		
		With CR	AC200V	100-220VDC	UT-SA23 AC_V	1810
			DC200V	24-50VAC	UT-SA13 DC_V	2530
		With Varistor+CR	AC48V	24-60VDC	UT-SA25 AC_V	2880
				100-220V DC		
AC200V	100-240V AC					

	Contactor Rating	Mounting Method	Withstand voltage across terminal	Maximum Applied Voltage	Item Reference	UNIT LP INR
Surge Absorber (for Main circuit)	S-T10, T12, T20(BC)	On head	600VAC for 1 minute	800V	UT-SA3320	5840
	S-T21, T25, T32(BC), SD-T21, T32(BC)				UT-SA3332	5840
	S-T10 (BC)-T100SD-T12 (BC)-T100	Independent Mounting			UN-SA33	3980
DC/AC Interface unit for operation coils	Contactor Rating	Mounting Method	Output Method		Item Reference	UNIT LP INR
	S-T10 to S-T50	Additional Mounting On top	Contactless TRIAC		UT-SY21	3010
			Relay Output		UT-SY22	2080

Note:- Please contact nearest sales office for contact kit & Spare coils.



*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office

GST Extra as Applicable

SWITCHING, PROTECTION & CONTROL PRODUCTS

Protection Relays Thermal Overload Relay (TH-T/TH-N)



TH-T



TH-N

Range	Item Reference	Mounting Method	UNIT LP INR
0.1-0.16	TH - T18KP 0.12A	Contactor Mounted ST-10, S(D)T-12, S(D)T-20	3120
0.14-0.22	TH - T18KP 0.17A		
0.2-0.32	TH - T18KP 0.24A		
0.28-0.42	TH - T18KP 0.35A		
0.4-0.6	TH - T18KP 0.5A		
0.55-0.85	TH - T18KP 0.7A		
0.7-1.1	TH - T18KP 0.9A		
1-1.6A	TH - T18KP 1.3A		
1.4-2	TH - T18KP 1.7A		
1.7-2.5	TH - T18KP 2.1A		
2-3	TH - T18KP 2.5A		
2.8-4.4	TH - T18KP 3.6A		
4-6	TH - T18KP 5A		
5.2-8A	TH - T18KP 6.6A		
7-11	TH - T18KP 9A		
9-13	TH - T18KP 11A	Independently Mounted S(D)T -21,ST-25, S(D)T-35,S(D)T-50	3420
12-18	TH - T18KP 15A		
0.2-0.32	TH - T25KP 0.24A		
0.28-0.42	TH - T25KP 0.35A		
0.4-0.6	TH - T25KP 0.5A		
0.55-0.85	TH - T25KP 0.7A		
0.7-1.1	TH - T25KP 0.9A		
1-1.6A	TH - T25KP 1.3A		
1.4-2	TH - T25KP 1.7A		
1.7-2.5	TH - T25KP 2.1A		
2-3	TH - T25KP 2.5A		
2.8-4.4	TH - T25KP 3.6A		

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

SWITCHING, PROTECTION & CONTROL PRODUCTS

Protection Relays

Thermal Overload Relay (TH-T/TH-N)

Range	Item Reference	Mounting Method	UNIT LP INR
4-6	TH - T25KP 5A	Independently Mounted S(D)T -21, ST-25, S(D) T-35,S(D)T-50	3420
5.2-8A	TH - T25KP 6.6A		
7-11	TH - T25KP 9A		
9-13	TH - T25KP 11A		
12-18	TH - T25KP 15A		
18-26	TH - T25KP 22A		
24-34	TH - T50KP 29A	Independently Mounted S(D)T-50	4330
30-40	TH - T50KP 35A		
34-50	TH - T50KP 42A	Independently Mounted S(D)T -65,S(D)T-80, S(D) T-100	5260
12-18	TH - T65KP 15A		
18-26	TH - T65KP 22A		
24-34	TH - T65KP 29A		
30-40	TH - T65KP 35A		
34-50	TH - T65KP 42A		
43-65	TH - T65KP 54A		
54-80	TH - T100KP 67A		
65-100	TH - T100KP 82A		
43-65	TH - N120KP 54A	Independently Mounted S-N125, -N150	6320
54-80	TH - N120KP 67A		
65-100	TH - N120KP 82A		
85-125	TH-N120KPTA 105A	Independently Mounted S-N125, -N150	22020
100-150	TN-N120KPTA125	Independently Mounted S-N125, -N150	22020
85-125	TH-N220KPRH 105A	Independently Mounted S-N180, -N220	22020
100-150	TH-N220KPRH 125A		
120-180	TH-N220KPRH 150A		
140-220	TH-N220KPRH 180A	Independently Mounted S-N180, -N220	22960
170-250	TH-N220KPRH 210A		
120-180	TH-N400KPRH 150A	Independently Mounted S-N300, -N400	23230
140-220	TH-N400KPRH 180A		
200-300	TH-N400KPRH 250A	Independently Mounted S-N300, -N400	23780
260-400	TH-N400KPRH 330A		

*OLR upto 250A is Normal Stock Item

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

SWITCHING, PROTECTION & CONTROL PRODUCTS

Accessories for Thermal Overload Relay (TH-T/TH-N)

Accessories Type	Applicable O/L Relay	Item Reference	UNIT LP INR
Independent mounting Kit for OLR (IEC rail / Screw Mounting)	TH-T18(KP)	UT-HZ18	2210
	TH-T25(KP)	UN-RM20	
Connection conductor	TH-T25(KP)	UN-TH21	2420
	TH-T50(KP)	UT-TH50	3310
	TH-T65KP (S-T65/80)	BH559N350	740
	TH-T65KP (S-T100)	BH569N350	1620



Electronic Overcurrent Relay

- Protection against Overcurrent, Open Phase, Reverse Phase
- Fault Indication LED
- Operating Time selection
- No External CT required*
- Inbuilt 1NO+1NC Auxiliary Contact
- DIN Rail/Screw Mounting

Range	Part Reference	LP (INR)
0.25-1A	ET-N60 1A AC200V	16430
1-4A	ET-N60 4A AC200V	
2-8A	ET-N60 8A AC200V	
5-20 A	ET-N60 20A AC200V	
15-60A	ET-N60 60A AC200V	
40-150A	ET-N150 150A AC200V	40660
110-360A	ET-N360 360A AC200V	48820



* For use with motors rated more than 360A ET-N60 can be used with External CT.

*Electronic Overcurrent Relay is also available with AC100V Auxiliary Supply

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office

GST Extra as Applicable


SWITCHING, PROTECTION & CONTROL PRODUCTS

PROTECTION RELAYS

SRE Voltage Detection Relays

● Features

- **High External Surge Withstand Capability**
The integrated surge absorber circuit delivers excellent external surge withstanding capacity.
- **Simple Wiring**
Adopts self-lifting terminal screws for simple wiring.
- **High Precision**
The detector uses an IC for high accuracy and high reliability.
- **High Input Impedance**
Has a high input impedance so as to not affect other equipment.
- **Wide Detection Range**
Has a wide 0.1 to 250 V range for DC and 3 to 250 V range for AC. (For Standard Detection)



● Type Designations

1. For Standard Detection

SRE - AA CN Δ 015 D

Symbol	Operating Voltage
AA	AC100V, 200V, 240V, 250V
AAU	AC100V, 200V, 240V, 250V

Symbol	Detection Voltage (V)
015	DC 0.1 to 0.5
1PS	DC 0.3 to 1.5
006	DC 1 to 5
015	AC 3 to 15
050	AC 10 to 50
150	AC 30 to 150
250	AC 50 to 250

Symbol	Detection
D	DC
A	AC

2. For Power Detection

SRE - K CN Δ AC100V

Symbol	For Power Detection (Set Value)
K	Is Off Voltage
KT	Is On Voltage

Symbol	Specifications
None	Standard
CN	CCC Certified Products

Symbol	Voltage
None	AC100 V
CN	AC100 V
KT	AC240 V
KT	DC 12 V
KT	DC 24 V
KT	DC100 V


Note: AC detection is applicable for those items marked with * above.

Part Reference	LP (INR)
SRE-AA-150 D	20560
SRE-KT-AC-240V	20940

UA-DL2 Instantaneous Stop/Restart Relay

● Features

- **Simple Mounting/Wiring**
Can be connected without the need to modify existing control circuitry. The plug-in structure also simplifies wiring, attachment and removal.
- **Compact**
The reduced mounting area required allows for more compact panels.
- **100 V and 200 V Shared Operating Voltage**
- **With Operation Indicator**
- **Lights up when the power is on, turns off when the power is off**
- **Switchable Allowable Momentary Failure Time**
The allowable momentary failure time can be switched between 1 and 2 seconds for optimal configuration to suit the properties of the load equipment.



Rated Voltage	Relay Part Code	LP (INR)	Relay Base (Panel & IEC Rail Mounting)	LP (INR)	Relay Base (Only Panel Mounting)	LP (INR)
100-110V 50/60HZ	UA-DL2 AC100/200V	12700	PF-08RM	2340	PF-08TM	2340
200-220V 50/60Hz						
100-110V 50/60Hz	UA-DL2 AC120V	12700	PF-08RM	2340	PF-08TM	2340
110-120V 50/60Hz						
200-220V 50/60Hz	UA-DL2 AC240V	12700	PF-08RM	2340	PF-08TM	2340
220-240V 50/60HZ						

Note:- This a multi pin relay used with a socket Type Base, please select suitable mounting type base from above table.

* For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable



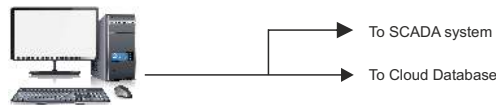
**Energy Monitoring System
(Products & Solutions)**

ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

LVS Monitoring System - for Utility Room, PCC, Main Distribution Panels



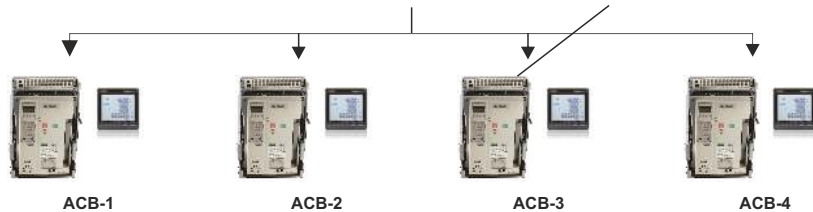
Monitoring & Reports



- GOC (Intelligent Solution to Convert Standard Panel into Smart Panel)
- Local Monitoring & Control on Panel
- Annunciator
- Collects DI/AI EMS Data and Communicates to PC



ON/OFF & Trip Status +1 Analogue (Temperature) for each ACB
External Energy Meter Integration for V, I, KW, KWH

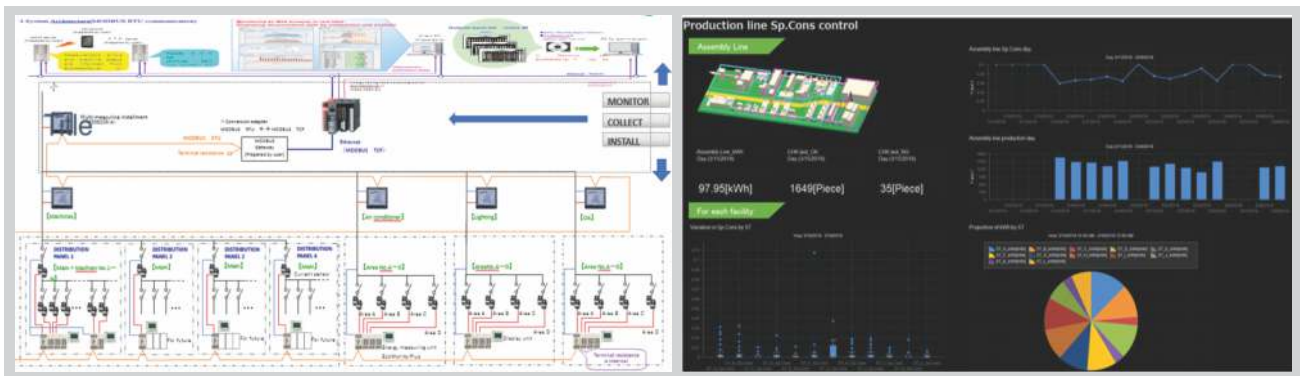


HIGHLIGHTS

- System for Upto 12 Breakers (Scalable to connect with upstream network of Full Factory/ Installation)# ON/OFF/TRIP Status on Local Annunciator and in Remote PC# Control (ON/OFF) available from Remote PC
- Integrating upto 12 MFM (one for each Breaker)
- Single Viewing Window for All Breakers, Meters and Control (No Navigation required)
- Accommodates Analogue Inputs for Temperature

Note: For System Architecture and Pricing, Please Contact Nearest Sales Office

Web Based EMS solution for Full Plant (Multi Location)



System-Architecture

Dash Board Made with Eco-Advisor Software

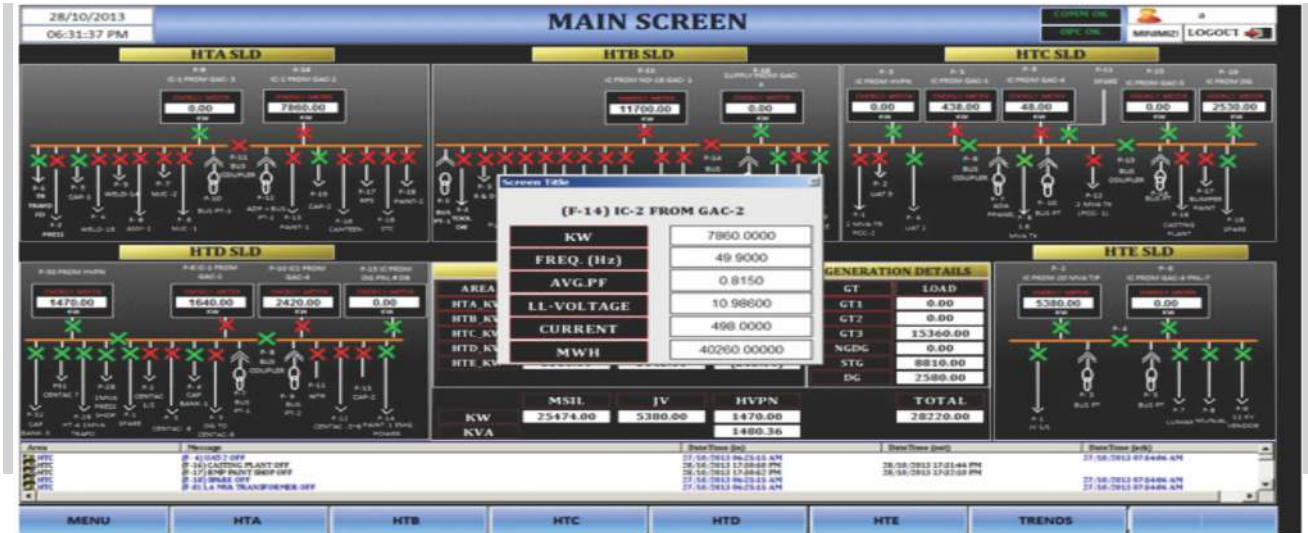
HIGHLIGHTS

- Standard Web Based Templates for Data Monitoring, No Supervisory Software Needed
- Supported by Mitsubishi's advance Energy Monitoring Data Server, EcoWebServerIII
- Smart yet Simple Plug & Play Architecture
- Real time and Predictive demand Monitoring
- Dual Communication Channel (Modbus TCP & CC-Link) to connect variety of Metering Devices
- Accommodates Analogue as well as Digital Signals
- 16 Contacts for Alarm and Control (for effective Management)
- Supports SMTP and FTTP
- When Used together with Dashboard Creating Software (EcoAdvisor), a personalized View of information can be created

Note: For System Architecture and Pricing, Please Contact Nearest Sales Office

ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

EMS with Mitsubishi Electric's Supervisory Control & Data Acquisition System (SCADA),



HIGHLIGHTS

- Fully Customizable View
- Complete WAGES Monitoring (Water, Air, Gas, Electricity, Steam)
- Backed with Mitsubishi Electric's PLCs, Production and Energy Data can be combined
- Reports, Event's Data Logging, e-mail, Cloud Connectivity
- Supports Third party metering and instrumentation devices
- Logic Based Alarm and Control can be created
- Large Networks of Measuring & Instrumentation Devices Spread over long distance can be Addressed Seamlessly

Note: For System Architecture and Pricing, Please Contact Nearest Sales Office

ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

Digital Panel Meters and EMS Support devices

- LCD/LED Display
- upto 31st Order Harmonics Monitoring
- THD & MB-RS485 as Standard
- Upto 0.1 Class Accuracy
- Optional Plug-In Modules
- Import Export, Run Hour

DeviceType	Item Reference	Description	LP (INR)
MFM	MFM-LED96-MB	V, A, KW, KVAR, KVA, F, KWH, KVAH, KVARH, THD, Pulse Output, Modbus RS-485, Three Line-4 digit, 7-Seg, LED Display, CL 0.5	17500
MFM	EMMS796EA-MB	A, DA, V, W, Var, VA, pf, Hz, WH, VarH, VAH, WH (Import/Export), THD (I & V), Operating Time, CL-0.5, MB RS-485, CL 0.5	30090
MFM	MFM-LCD-96MB	V, A, KW, KVA, KVAR, KWH, KVAH, KVARH, KWH (Import/Export), Pf, Run Hour, upto 31st Harmonics, DG Sensing, Pulse Output, Four Lines Backlit LCD Display, CL 1	24900
MFM	ME96SSRB-MB	A, DA, V, W, Var, VA, pf, Hz, WH, VarH, VAH, WH (Import/Export), 19th Harmonics, Operating Time, CL-0.2, MB RS-485	59620
MFM	ME96SSHB-MB	A, DA, V, W, Var, VA, pf, Hz, WH, VarH, VAH, WH (Import/Export), 31 st Harmonis, Operating Time, CL-0.1, MB RS-485	82010
Optional Unit (for ME96SS- RB-MB and ME96SSHB- MB)	ME-4210-SS96B	Analogue card, 4 AO, 2 Pulse O/P, 1 DI	16210
	ME-0052-SS96	Digital I/O Card - 5 DI, 2 DO	16210
	ME-0000MT-SS96	Modbus-TCP Communication Card	29170
	ME-0040C-SS96	CC-Link Communication Card	17790
	ME-0000BU-SS96	Data Logging Unit. (SD Card has to be inserted in this Unit)*	27110
	EMU4-SD2GB	SD Card 2 GB for all MFMs (To be used with Logging Unit)	20420

* SD Card (EMU4-SD2GB) needs to be inserted in Logging Unit (ME-0000BU-SS96). SDC data can be extracted in PC using Free "Logging Unit utility Software"

Note - For Simple Local Monitoring Application, Use Free Software EMU4-SW1 in your PC

*MFM-LED96-MB, MFM-LCD96-MB, EMMS7-96EA-MB & ME96SSRB-MB are Normal Stock Item

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

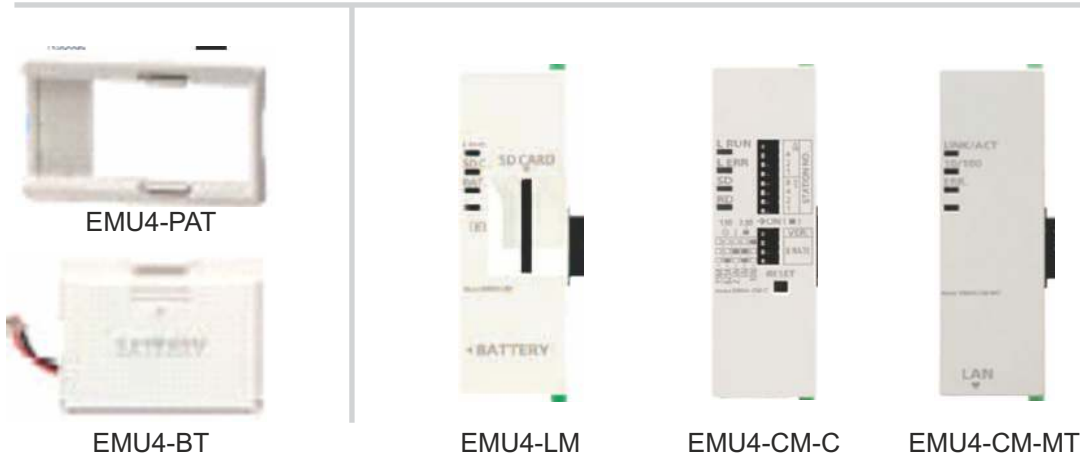
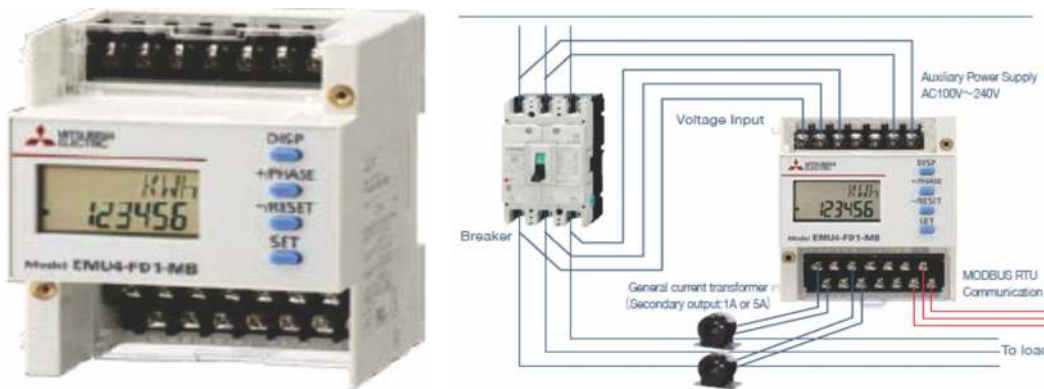
ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

Eco Monitor Light- Compact MFMs for Machines/ Small Spaces

- MB-RS485 as Standard
- Optional Unit for CC-Link OR MB-TCP Communication can be added
- Provision to Add Data Logging Unit with SD Card
- I, DA, V, VA, W, Var, pf, Hz, WH, VAH, VarH

Device Type	Item Reference	Description	LP (INR)
Compact MFM	EMU4-BD1A-MB	Ecomonitor Light Standard Model (Use with ME Split Cts)	37150
Compact MFM	EMU4-HD1A-MB	Ecomonitor Light High Performance Model (Use with ME Split Cts)	44580
Compact MFM	EMU4-FD1-MB	Ecomonitor Light Advance Model (Can be used with Reputed General Cts)	40120
Optional Unit	EMU4-LM	Data Logging unit for Ecomonitor Light*	29700
Optional Unit	EMU4-SD2GB	SD Card 2 GB for all MFMs (To be used with Logging Unit)	20420
Optional Unit	EMU4-CM-C	CC-Link Communication Module for Ecomonitor Light	33400
Optional Unit	EMU4-CM-CIFB	CC-Link IE Field basic Comm Module for Ecomonitor Light	33400
Optional Unit	EMU4-CM-MT	Modbus TCP Comm Module for Ecomonitor Light, (FD1 Model Only)	33400
Battery	EMU4-BT	Lithium Battery for Logging Module Ecomonitor Light	3310
Support Unit	EMU4-PAT	Panel Mounting Attachment for Eco Monitor Light	2230

Note - For Simple Local Monitoring Application, Use Free Software EMU4-SW1 in your PC



*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

Revolutionary Eco Monitor Plus "The Expandable Modular MFM"

- Accommodates up to 7 nos. 3Ph or 14 nos. 1Ph Circuits (same or Different Voltages)
- Analogue & Pulse Input for Non Electrical Data
- Inbuilt MB-RS485 in Base for all Extensions
- Data Logging through SD Card
- Power Monitoring OR Earth Leakage Detection Type Base Units
- I, DA, V, VA, W, Var, pf, Hz, WH, VAH, VarH, Harmonics, Unbalance Rate, Leakage
- Inbuilt 1NO+1NC (Configurable for Controlling)

Device Type	Item Reference	Description	LP (INR)
Expandable MFM	EMU4-BM1-MB	Eco Monitor Plus Standard Base Module (Use with Split ME Cts), 1X3Ph OR 2X1Ph	37610
Expandable MFM	EMU4-HM1-MB	Eco Monitor Plus High Performance Base Module (Use with ME Split Cts)	42160
Expandable MFM	EMU4-LG1-MB	Eco Monitorplus Insulation Failure Detection Type Base Module	48170
Battery	EMU4-BT	Lithium Battery for Logging Module Ecomonitor Plus	3310
Extension unit	EMU4-A2	Extension Unit (2X3Ph OR 4X1Ph), For Voltage Same as Base Unit	33110
Extension unit	EMU4-VA2	Extension Unit(2X3Ph OR 4X1Ph), For Voltages Different from Base Unit	36140
Extension unit	EMU4-AX4	Extesion Analogue Inputs (4AI)	43360
Extension unit	EMU4-PX4	Extension Unit Pule Inputs (4 PIP)	38540
Extension unit	EMU4-D65	Extension Display Unit (Connect Unsing CAT6 Cable, RJ45 Connector)	39120
Optional Unit	EMU4-LM	Data Logging unit for Ecomonitor Light*	29700
Optional Unit	EMU4-SD2GB	SD Card 2 GB for all MFMs (To be used with Logging Unit)	20420
Optional Unit	EMU4-CM-C	CC-Link Communication Module for Ecomonitor Light	33400
Optional Unit	EMU4-CM-CIFB	CC-Link IE Field basic Comm Module for Ecomonitor Light	33400

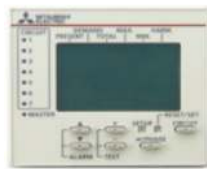
Note 1 - For Simple Local Monitoring Application, Use Free Software EMU4-SW1 in your PC

Note 2-3Ph & 1Ph Metering can be Combined. Analogue, Pulse & Electrical data can also be combined

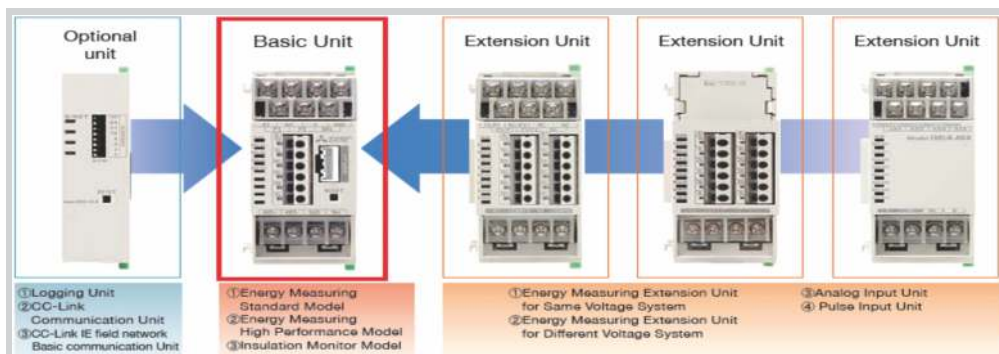
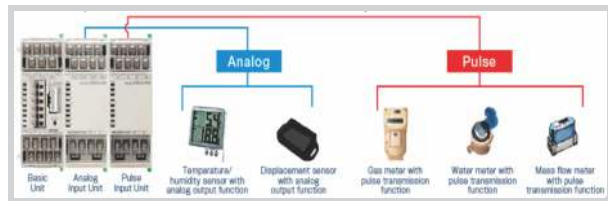
Note 3 - To get Insulation Monitoring & Power Profile of a load, Please Use EMU4-LG1-MB with EMU4-A2 or EMU4-VA2

Note 4- Extension Modules are Fitted on Right Side and Optional Modules are Fitted on the eft Side of the Base Unit

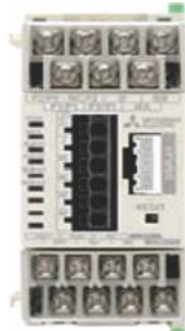
GST Extra as Applicable



EMU4-D65






EMU4-HM1-MB



EMU4-LG1-MB

ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

Split Type CTs (for Use with Ecomonitor Plus/Light)

Appearance	Item Reference	Description	LP (INR)
	EMU-CT5-A	ME CT, Split Type, Primary Current 5-A, Sec Current - 1.66 mA	7210
	EMU-CT50-A	ME CT, Split Type, Primary Current 50-A, Sec Current - 16.66 mA	7210
	EMU-CT100-A	ME CT, Split Type, Primary Current 100-A, Sec Current - 33.33 mA	7210
	EMU-CT250-A	ME CT, Split Type, Primary Current 250-A, sec Current - 66.66 mA	12040
	EMU-CT400-A	ME CT, Split Type, Primary Current 400-A, Sec Current - 66.66 mA	15080
	EMU-CT600-A	ME CT, Split Type, Primary Current 600-A, Sec Current - 66.66mA	18060
	EMU-CT50	ME CT, Split Type, Primary Current 50-A, Sec Current - 16.66 mA, UL Certified	10100
	EMU-CT100	ME CT, Split Type, Primary Current 100-A, 33.33 mA, UL Certified	10100
	EMU-CT250	ME CT, Split Type, Primary Current 250-A, 66.66 mA, UL Certified	20210

Note 1: Split-type Current Sensor can't be used in combination with EMU4-FD1-MB

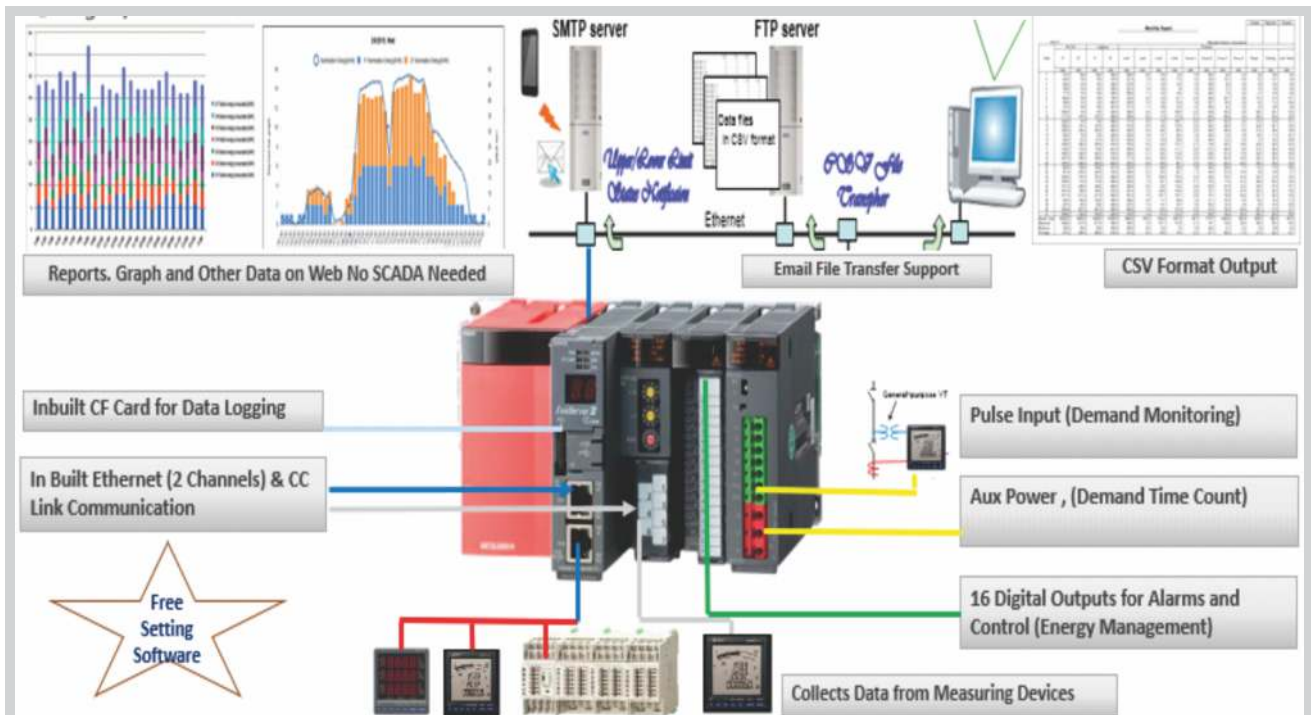
Note2: For Prices of CBCTs, Contact Nearest Sales Office.

*For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable

ENERGY MONITORING SYSTEM (PRODUCTS & SOLUTIONS)

EMS Web Servers and Softwares



Type	Item Reference	Description	LP (INR)
EcoWebServer III	MES3-255C-EN	Data Collection Server, LAN Connectivity, Readymade Web Page & Templates for Monitoring Data on PC, MB-TCP & CC Link Comm for Field Devices, SMTP & FTTP Support, email, CSV Output, All Electrical + Non Electrical Data from Measuring Devices 16 channel Alarm & Control	Price On Request
	MES3-255C-DM-EN	Data Collection Server, LAN Connectivity, Readymade Web Page & Templates for Monitoring Data on PC, MB-TCP & CC Link Comm for Field Devices, SMTP & FTTP Support, email, CSV Output, All Electrical + Non Electrical Data from Measuring Devices + DEMAND Monitoring & Control 16 channel Alarm & Control	
Software (Data Collection and Dashboard)	MES3-SW1-DR-FR	EcoMeasure III Software for Data Dashboard, Connects upto 8 EWSIII	
	MES3-EAP1-DA	EcoAdvisor Software for Data Dashboard, Connects upto 20 EWSIII	
	MC Works64	Supervisory Control & Data Acquisition System, for Customized View of Process and Energy Data with Control	

For details on other Non listed product of this family, Standard- Non Standard references & Normal Stock items please contact nearest sales office.

GST Extra as Applicable



Earth-Fault and Earth Leakage Protection Relays

EARTH FAULT AND EARTH LEAKAGE PROTECTION RELAYS WITH CBCT

LCD Display

Wide Setting range

50-550 V, AC/DC Aux Supply

CBCTs calibrated and supplied together with Relay

DIN Mounting EFR/ELR

Trip LED

Two C/O Contacts, (control & indication)



Earth Fault Relay

Combination	CBCT Dia (mm)	with Display, 5-80% Setting		w/o Display, 10-80% setting	
		Part Code	LP (INR)	Part Code	LP (INR)
Earth Fault Relay+ Tape wound Circular CBCT	40	EF0580D040T	12720	EF1080D040T	10890
	65	EF0580D065T	12720	EF1080D065T	10890
	100	EF0580D100T	13470	EF1080D100T	11640
	150	EF0580D150T	14000	EF1080D150T	12180
	200	EF0580D200T	14740	EF1080D200T	12920
	250	EF0580D250T	15540	EF1080D250T	13700
	300	EF0580D300T	16340	EF1080D300T	14500
Earth Fault Relay+ Molded type Circular CBCT	40	EF0580D040M	14130	EF1080D040M	12110
	65	EF0580D065M	14130	EF1080D065M	12110
	100	EF0580D100M	14940	EF1080D100M	12920
	150	EF0580D150M	15690	EF1080D150M	13660
	200	EF0580D200M	16750	EF1080D200M	14730
	250	EF0580D250M	17740	EF1080D250M	15430
	300	EF0580D300M	17790	EF1080D300M	15940

Note: - Add Primary current rating as suffix in EFR Codes. For example for 50A, add suffix 050. For 200A add 200.

GST Extra as Applicable

Combination	CBCT Inner Dimension (L X B)	with Display, 5-80% Setting		w/o Display, 10-80% setting	
		Part Code	LP (INR)	Part Code	LP (INR)
Earth Fault Relay + Tape Wound Rectangular CBCT	100 X 50	EF0580R100X050T	14810	EF1080R100X050T	12180
	150 x 50	EF0580R150X050T	17250	EF1080R150X050T	14850
	200 X 50	EF0580R200X050T	19910	EF1080R200X050T	17520
	250 X 50	EF0580R250X050T	22600	EF1080R250X050T	20570
	200 x 100	EF0580R200X100T	22610	EF1080R200X100T	17520
	250 x 100	EF0580R250X100T	22600	EF1080R250X100T	20200
	300 x 100	EF0580R300X100T	25260	EF1080R300X100T	22870
	400 x 100	EF0580R400X100T	30600	EF1080R400X100T	28220
	500 x 100	EF0580R500X100T	35950	EF1080R500X100T	33500
	600 x 100	EF0580R600X100T	41310	EF1080R600X100T	38910
	700 x 100	EF0580R700X100T	46660	EF1080R700X100T	44230
	300 x 150	EF0580R300X150T	26300	EF1080R300X150T	23900
	400 x 150	EF0580R400X150T	31640	EF1080R400X150T	29240
	500 x 150	EF0580R500X100T	36980	EF1080R500X100T	34590
	600 x 150	EF0580R600X150T	43320	EF1080R600X150T	39930
	700 x 150	EF0580R700X150T	47670	EF1080R700X150T	40580

Note: - Add Primary current rating as suffix in EFR Codes. For example for 50A, add suffix 050. For 200A add 200.

GST Extra as Applicable

EARTH FAULT AND EARTH LEAKAGE PROTECTION RELAYS WITH CBCT



Earth Leakage Relay

Combination	CBCT Dia (mm)	with Display, 30mA-3000mA Setting		w/o Display, 30mA- 3000mA setting	
		Part Code	LP (INR)	Part Code	LP (INR)
Earth Leakage Relay + Tape Wound circular CBCT	40	EL3030D040T	12720	EL3003D40T	10890
	65	EL3030D065T	12720	EL3003D65T	10890
	100	EL3030D100T	13470	EL3003D100T	11640
	150	EL3030D150T	14000	EL3003D150T	12180
	200	EL3030D200T	14740	EL3003D200T	12920
	250	EL3030D250T	15540	EL3003D250T	13700
	300	EL3030D300T	16340	EL3003D300T	14500
Earth Leakage Relay + Moulded circular CBCT	40	EL3030D040M	14130	EL3003D40M	12110
	65	EL3030D065M	14130	EL3003D65M	12920
	100	EL3030D100M	14940	EL3003D100M	12920
	150	EL3030D150M	15690	EL3003D150M	13660
	200	EL3030D200M	16750	EL3003D200M	14730
	250	EL3030D250M	17470	EL3003D250M	15430
	300	EL3030D300M	17970	EL3003D300M	15940

GST Extra as Applicable

Ordering Code: Earth Fault Relay with Round CBCTs

EF0580	D065	T	100
Relay Type	CBCT Dia	CBCT Type	Primary Current (A)
EF0580 (5%-80%, Inbuilt Display)	D040 (40mm)	T -Tape Wound	100
EF1080 (10%-80%, w/o Display)	D065 (65mm)	M - Molded	150
	D100 (100mm)		200
	D150 (150mm)		250
	D200 (200mm)		300
	D250 (250mm)		400
	D300 (300mm)		500
			630
			800

Ordering Code: Earth Fault Relay with Rectangular CBCTs

EF0580	R250X050	T	500
Relay Type	CBCT iD (L X B)	T -Tape Wound	Primary Current (A)
EF0580 (5%-80%, Inbuilt Display)	100 X 50		100
EF1080 (10%-80%, w/o Display)	150 x 50		150
	200 X 50		200
	250 x 50		250
	200 x 100		300
	250 x 100		400
	300 x 100		500
	400 x 100		630
	500 x 100		800
	600 x 100		
	700 x 100		
	300 x 150		
	400 x 150		
	500 x 150		
	600 x 150		
	700 x 150		

Ordering Code : Earth Leakage Relay with Round CBCTs

EL3030	D065	T
Relay Type	CBCT Dia	CBCT Type
EL3030 (30mA-30A, inbuilt Display)	D040 (40mm)	T -Tape Wound
EL3003 (30mA-3A, w/o Display)	D065 (65mm)	M - Molded
	D100 (100mm)	
	D150 (150mm)	
	D200 (200mm)	
	D250 (250mm)	
	*D300 (300mm)	

Notes: Contact us for:
 EFR+CBCT for Primary current Ratings more than 800A
 EFR/ELR with CBCT Diameter, other than listed here
 EFR/ELR with resin cast CBCTs

* For an Earth leakage relay with CBCT Dia greater than 250mm, the minimum leakage sensitivity setting must be 100mA.

MEI FA Centers

West Zone

Pune - FAID Head Office

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ICC-Devi Gaurav Technology Park,
Unit No. 402, 4th Floor,
Opp. Vallabh Nagar Bus Depot,
Pune - 411018, Maharashtra, India.
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Mumbai Sales Office

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305-306, 3rd Floor, "Windfall", Sahar Plaza
Complex, Andheri Kurla Road, J. B. Nagar,
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Vadodara - 390 020, Gujarat, India.
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Rajkot Sales Office

Mitsubishi Electric India Private Limited
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East Zone

Kolkata

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PS Srijan Corporate Park, Tower-I,
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Bhubaneswar

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North Zone

Gurugram (Corporate Office)

Mitsubishi Electric India Private Limited
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Central Zone

Indore

Mitsubishi Electric India Private Limited
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Raipur

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South Zone

Bengaluru

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(BMH Srinivas) 2nd floor, Door No. 1604
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