



Mitsubishi Electric Low Voltage Switchgear

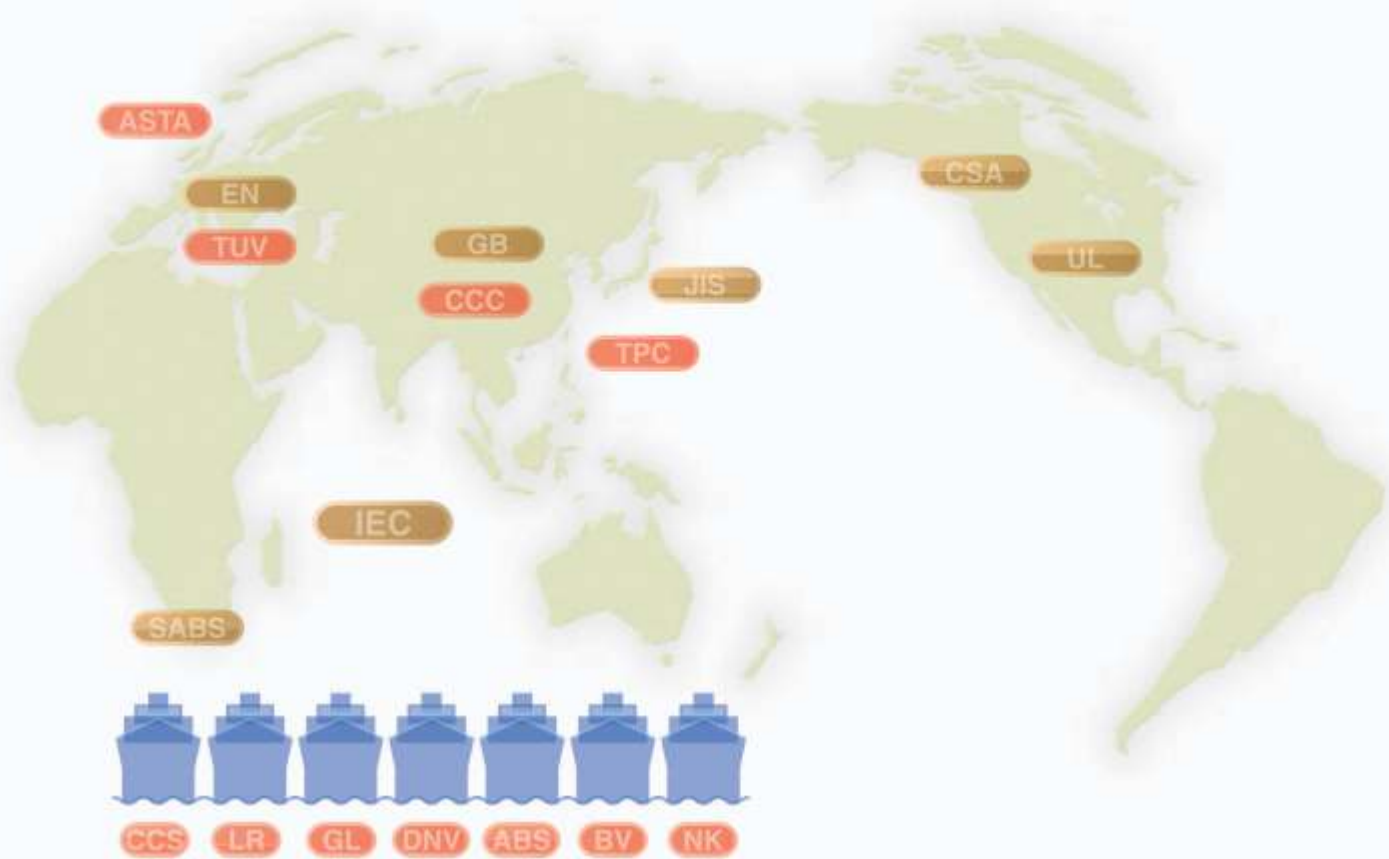
PRICE LIST

Valid from 1st Sept. '17



GLOBAL

Compliance with worldwide standards



PRICE LIST INDEX

CONTENTS	PAGE NO.
AIR CIRCUIT BREAKER	04
MOULDED CASE CIRCUIT BREAKER	06
FINAL DISTRIBUTION PRODUCTS	14
CONTROLGEAR - M-S-T SERIES	20
CONTROLGEAR - M-S-N SERIES	25
ELECTRONIC MULTI MEASURING INSTRUMENT	32

World Super **A/E**

AIR CIRCUIT BREAKERS

630A - 6300A



Key Features :

- Line Up 630- 6300A
- High short circuit performance upto 100kA
- High insulation performance of 12 Kv
- High reliability with high mechanical & electrical life
- High withstand capacity of 50 kA for 3 sec



1

Type
AE630-SW
AE1000-SW
AE1250-SW
AE1600-SW
AE2000-SWA
AE2000-SW
AE2500-SW
AE3200-SW
AE4000-SWA
AE4000-SW
AE5000-SW
AE6300-SW

2

Standard
IEC 60947-2
EN 60947-2(CE)
VDE
JIS C 8201-2-1
GB 14048.2(CCC)
(Shipping Approvals)
LR
GL
BV
DNV
ABS
CCS
NK

3

Connection
Drawout type
Horizontal terminal
Vertical terminal
Front terminal
Fixed type

4

Drawout type accessories
Cell switch
Shorting b-contact
Lifting hooks
Safety shutter
Safety shutter lock
Mis-insertion preventor
Test jumper

5

Electrical accessories
Auxiliary switch
Motor charging device
Closing coil
Shunt trip device
Under voltage trip device
Condenser trip device

6

Mechanical accessories
Push button cover
Counter
Cylinder lock
Terminal cover
Door frame
Dust cover
Interphase barrier
Mechanical interlock
Door interlock

7

Electronic trip relay
General use
WS type
Generator protection use
WM type
Special use
WB type
Optional
G1:Ground fault protection
E1:Earth leakage protection
AP:2nd Additional Pre-alarm
N5:Neutral pole 50% protection

8

Relay accessories
Extension module
Display
Temperature alarm
MCR switch
Neutral CT
External ZCT
VT unit

9

Network
CC-Link® Interface unit
PROFIBUS-DP Interface unit
MODBUS® Interface unit I/O unit

Note: Please contact our local Sales Office for details and prices.

MOULDED-CASE CIRCUIT BREAKERS



Key Features :

- Range from 3A upto 1600A
- Compact design for easy usage
- High Breaking Capacity upto 250kA
- Intelligent communication through CC- Link
- Electronic MCCB with display body for various measurement also available



MCCB

Thermal Magnetic with Fixed ratings

Breaking Capacity Icu/Ics (kA)	Rating	Item Reference 3 Pole	LP	Item Reference 4 Pole	LP
7.5/7.5 kA	3A	NF63-SV 3P 3A	2,593	NF63-SV 4P 3A	3,376
	4A	NF63-SV 3P 4A		NF63-SV 4P 4A	
	5A	NF63-SV 3P 5A		NF63-SV 4P 5A	
	6A	NF63-SV 3P 6A		NF63-SV 4P 6A	
	10A	NF63-SV 3P 10A		NF63-SV 4P 10A	
	15A	NF63-SV 3P 15A		NF63-SV 4P 15A	
	16A	NF63-SV 3P 16A		NF63-SV 4P 16A	
	20A	NF63-SV 3P 20A		NF63-SV 4P 20A	
	25A	NF63-SV 3P 25A		NF63-SV 4P 25A	
	30A	NF63-SV 3P 30A		NF63-SV 4P 30A	
	32A	NF63-SV 3P 32A		NF63-SV 4P 32A	
	40A	NF63-SV 3P 40A		NF63-SV 4P 40A	
	50A	NF63-SV 3P 50A		NF63-SV 4P 50A	
	60A	NF63-SV 3P 60A		NF63-SV 4P 60A	
63A	NF63-SV 3P 63A	NF63-SV 4P 63A			
25/25kA	15A	NF125-SV 3P 15A	3,977	NF125-SV 4P 15A	5,507
	16A	NF125-SV 3P 16A		NF125-SV 4P 16A	
	20A	NF125-SV 3P 20A		NF125-SV 4P 20A	
	30A	NF125-SV 3P 30A		NF125-SV 4P 30A	
	32A	NF125-SV 3P 32A		NF125-SV 4P 32A	
	40A	NF125-SV 3P 40A		NF125-SV 4P 40A	
	50A	NF125-SV 3P 50A		NF125-SV 4P 50A	
	60A	NF125-SV 3P 60A		NF125-SV 4P 60A	
	63A	NF125-SV 3P 63A		NF125-SV 4P 63A	
	75A	NF125-SV 3P 75A		NF125-SV 4P 75A	
	80A	NF125-SV 3P 80A		NF125-SV 4P 80A	
	100A	NF125-SV 3P 100A		NF125-SV 4P 100A	
	125A	NF125-SV 3P 125A	4,283	NF125-SV 4P 125A	6,119

Remarks

Prices for below MCCB's on request

1. NF 32 - SV, NF 63 - CV/HV, NF 125 - CV/HV



MCCB

Thermal Magnetic with Fixed ratings

Breaking Capacity Icu/Ics (kA)	Rating	Item Reference 3 Pole	LP	Item Reference 4 Pole	LP
36/36kA	100A	NF250-SV 3P 100A	6,044	NF250-SV 4P 100A	8,183
	125A	NF250-SV 3P 125A		NF250-SV 4P 125A	
	150A	NF250-SV 3P 150A	7,950	NF250-SV 4P 150A	10,229
	160A	NF250-SV 3P 160A		NF250-SV 4P 160A	
	175A	NF250-SV 3P 175A	9,872	NF250-SV 4P 175A	13,328
	200A	NF250-SV 3P 200A		NF250-SV 4P 200A	
	225A	NF250-SV 3P 225A	11,004	NF250-SV 4P 225A	14,878
	250A	NF250-SV 3P 250A		NF250-SV 4P 250A	

Remarks

Prices for below MCCB's on request

1. NF 250 - CV/SV, 400 CW/SW

EL MCCB

with Adjustable Leakage current 100.200 - 500mA

Breaking Capacity Icu/Ics (kA)	Rating	Item Reference 3 Pole	LP
7.5/7.5kA	5A	NV63-SV 3P5A 500M	6,781
	10A	NV63-SV 3P 10A 500M	
	15A	NV63-SV 3P 15A 500M	
	16A	NV63-SV 3P 16A 500M	
	20A	NV63-SV 3P 20A 500M	
	25A	NV63-SV 3P 25A 500M	
	30A	NV63-SV 3P 30A 500M	
	32A	NV63-SV 3P 32A 500M	
	40A	NV63-SV 3P 40A 500M	
	50A	NV63-SV 3P 50A 500M	
	60A	NV63-SV 3P 60A 500M	
	63A	NV63-SV 3P 63A 500M	
25/25kA	15A	NV125-SV 3P 15A 500MA	26,598
	20A	NV125-SV 3P 20A 500MA	
	30A	NV125-SV 3P 30A 500MA	
	40A	NV125-SV 3P 40A 500MA	
	50A	NV125-SV 3P 50A 500MA	



EL MCCB

with Adjustable Leakage current continued

Breaking Capacity Icu/Ics (kA)	Rating	Part Preference	Unit LP INR
	Amps	3 Pole	
25/25kA	60	NV125-SV 3P 60A 500MA	26,598
	63	NV125-SV 3P 63A 500MA	
	75	NV125-SV 3P 75A 500MA	
	80	NV125-SV 3P 80A 500MA	
	100	NV125-SV 3P 100A 500MA	
	125	NV125-SV 3P 125A 500MA	
	250	NV250-SV 3P 250A 500MA	29,658

* 1.2.500MA = 100.200.500 mA adjustable setting

- Notes: 1. ELMCCB Also available in 30 mA Fixed leakage Setting
 2. Prices of 2P and 4 P Versions of EL MCCB available on request
 3. ELMCCB Available upto 800 Amps in different breaking capacities upto 70 KA

Accessories

For Fixed Thermal magnetic Type and ELMCCB
 ACCESSORIES for Fixed Thermal magnetic MCCBs

Description	Suitable for	Part Reference	Unit LP
Aux Switch	NF/NV 32-250 A, CV, SV, HV	AX-05SV	1,304
Alarm Switch		AL-05SV	1,424
Aux+Alarm Switch		ALAX-05SV	2,729
Under Voltage Release		UVTNA 250-05SVR	5,444
Shunt Release		SHTA 240-05SVR	2,654
Direct handle	NF/NV 32-63 A CV, SV, HV	F-05SV	2,711
Extended Rotary Handle		V-05SV	2,373
Adj Rod for Extend Hanle		V-AD3S	450
Direct handle	NF/NV 125	F-1SV	2,711
Extended Rotary Handle		V-1SV	1,423
Adj Rod for Extended Handle		V-AD3S	450
Direct Handle	NF/NV 250	F-2SV	3151
Extended Rotary Handle		V-2SV	1530
Adj Rod for Extended Handle		V-AD3S	450

1. Prefix R (Right Side) or L (Left Side) indicates Mounting position of accessory
2. If Aux, Alarm both required along with shunt, please use Aux+Alarm Type Switch
3. Prices for terminal Cover available on request
4. Phase Barrier Available as standard accessory
5. Shunt and UVT available in other voltages, Please contact nearest sales office for more information



MCCB

With Thermal Magnetic Trip Unit - Adjustable Overload & Short Circuit

Breaking Capacity Icu/Ics (kA)	Ampere	Item Reference 3 Pole	Unit LP (INR)	Item Reference 4 Pole	Unit LP (INR)
36/36kA	20A	NF125SGV3P16-20	8,253	NF125SGV4P16-20	11,410
	25A	NF125SGV3P20-25		NF125SGV4P20-25	
	32A	NF125LGV3P25-32		NF125SGV4P25-32	
	40A	NF125LGV3P32-40		NF125SGV4P32-40	
	50A	NF125LGV3P35-50		NF125SGV4P35-50	
	63A	NF125SGV3P45-63		NF125SGV4P45-63	
	80A	NF125SGV3P56-80		NF125SGV4P56-80	
	100A	NF125SGV3P70-100		NF125SGV4P70-100	
	125A	NF125SGV3P90-125		NF125SGV4P90-125	
	160A	NF160SGV3P125-160	11,038	NF160SGV4P125-160	14,377
	200A	NF250SGV3P140-200	21,147	NF250SGV4P140-200	28,571
	250A	NF250SGV3P175-250		NF250SGV4P175-250	
50/50kA	20A	NF125LGV3P16-20	11,351	NF125LGV4P16-20	14,463
	25A	NF125LGV3P20-25		NF125LGV4P20-25	
	32A	NF125LGV3P25-32		NF125LGV4P25-32	
	40A	NF125LGV3P32-40		NF125LGV4P32-40	
	50A	NF125LGV3P35-50		NF125LGV4P35-50	
	63A	NF125LGV3P45-63		NF125LGV4P45-63	
	80A	NF125LGV3P56-80		NF125LGV4P56-80	
	100A	NF125LGV3P70-100		NF125LGV4P70-100	
	125A	NF125LGV3P90-125		NF125LGV4P90-125	
	160A	NF160HGV3P125-160	14,160	NF160LGV4P125-160	16,458
	200A	NF250SGV3P140-200	26,132	NF250LGV4P140-200	34,495
	250A	NF250LGV3P140-200		NF250LGV4P175-250	
70/70kA	20A	NF125HGV3P16-20	14,446	NF125HGV4P16-20	17,513
	25A	NF125HGV3P20-25		NF125HGV4P20-25	
	32A	NF125HGV3P25-32		NF125HGV4P25-32	
	40A	NF125HGV3P32-40		NF125HGV4P32-40	
	50A	NF125HGV3P35-50		NF125HGV4P35-50	
	63A	NF125HGV3P45-63		NF125HGV4P45-63	
	80A	NF125HGV3P56-80		NF125HGV4P56-80	
	100A	NF125HGV3P70-100		NF125HGV4P70-100	
	125A	NF125HGV3P70-100		NF125HGV4P90-125	
	160A	NF160HGV3P125-160	26,286	NF160HGV4P125-160	28,495
	200A	NF250HGV3P140-200	31,116	NF250HGV4P140-200	40,420
	250A	NF250HGV3P175-250		NF250HGV4P175-250	

■ Normal Stock Items



MCCB

With Electronic Release for LSI Protection

Breaking Capacity Icu/Ics (kA)	Ampere	Item Reference 3 Pole	Unit LP (INR)	Item Reference 4 Pole	Unit LP (INR)
36/36kA	63	NF125-SEV3P32-63A	13,490	NF125-SEV4P32-63 A	18,239
	125A	NF125-SEV3P63-125A		NF125-SEV4P63-125 A	
	160A	NF125-SEV3125-160A	18,986	NF125-SEV4P125-160 A	23,000

50/50kA	400A	NF400SEW3P400	32,621	NF400SEW4P400	42,333
	630A	NF630SEW3P630	34,902	NF630SEW4P630	51,349
	800A	NF800SEW3P800	58,473	NF800SEW4P800	74,835

70/70kA	32A	NF125-HEV3P16-32A	19,818	NF125-HEV4P16-32A	24,701
	63A	NF125-HEV3P32-63A		NF125-HEV4P32-63A	
	125A	NF125-HEV3P63-125A		NF125-HEV4P63-125A	
	160A	NF250-HEV3P125-160A	21,223	NF250-HEV4P125-160A	23,748
	400A	NF400HEW3P400	39,797	NF400HEW4P400	53,490
	630A	NF630HEW3P630	41,350	NF630HEW4P630	64,559
	800A	NF800HEW3P800	70,523	NF800HEW4P800	88,698

Remarks

1. 250A MCCB with electronic release is available on request
2. Electronic MCCB with display of Power parameter on Body Panel also available
3. MCCB with communication Port-CC-link also available.





ACCESSORIES

for MCCB with adjustable settings

Description	Item Reference	Unit LP (INR)
For NF125/160/250-SGV/LGV/HEV		
Aux Switch	AX-05SV	1304
Alarm Switch	AL-05SV	1424
Aux Switch/Alarm Switch	ALAX-05SV	2729
Under Voltage Release 200-220/ 230-250 V AC	UVTSA250-05SVR	5444
Shunt Release 100-240V AC	SHTA240-05SVR	2654
Direct Handle	F-2SV	3151
Extended Handle	V-2SV	1530
Adjustable Rod for Extended Handle	V-AD3S	450
Motor Mechanism		
For 100-240V AC & 100-250V DC	MDSAD240-NF2SVE	38461
For 24V DC	MDSD024-NF2SVE	38461
Spreader for 100/125/160/250 (Set of 3) 3P	SPR250A3P	650
Spreader for 100/125/100/250 (Set of 4) 4P	SPR250A4P	850

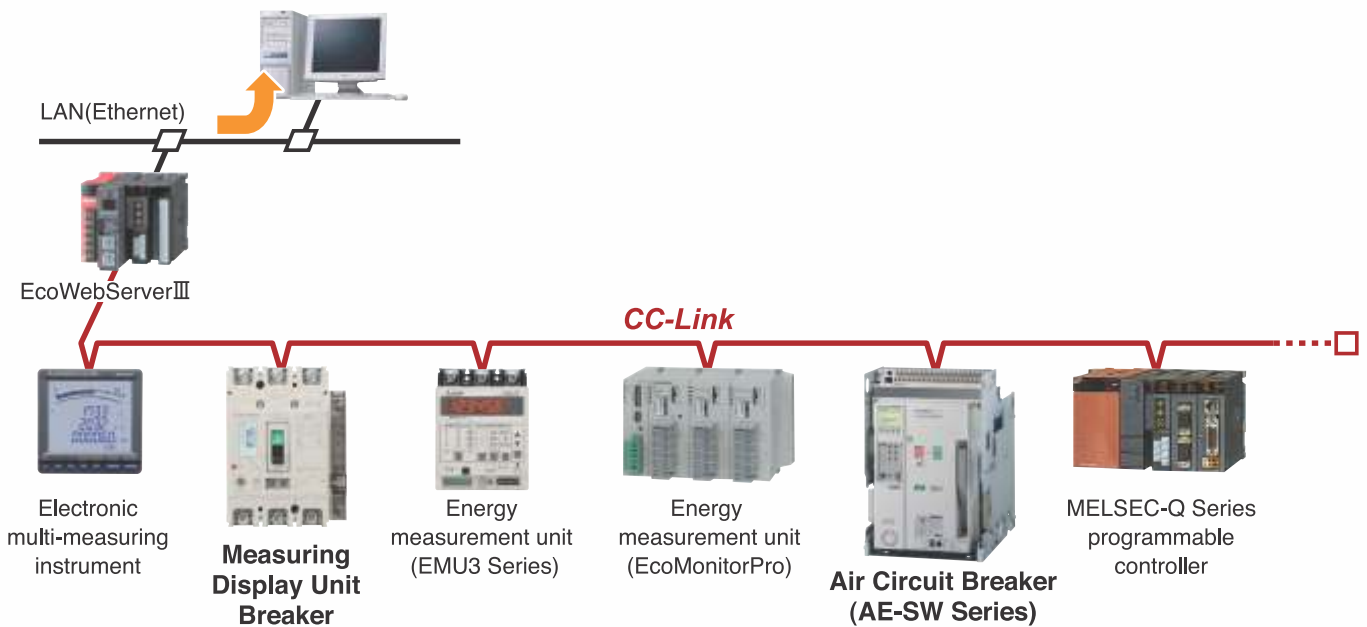
For NF 400/630/800 SEW /HEW		
Aux Switch	AX-4SW	1608
Alarm Switch	AL-4SWL	1957
Aux Switch/Alarm Switch	ALAX-4SW	4279
Under Voltage Release 200-220/ 230-250 V AC	UVTSA250 4SW	7692
Shunt Release 100-240V AC	SHT-4SW	4039
Direct Handle NF400/630A	F-4S	3252
Direct Handle NF800	F-8S	5787
Extended Handle-400/630A	V4S	2835
Extended Handle-800	V8S	1740
Adjustable Rod for Extended Handle	V-AD3L	450
Motor Mechanism-400/630		
For 100-240V AC & 100-250V DC	MD-4SWA240	68495
For 24V DC	MD-4SWA24	68495
Spreader for 400/630 (Set of 3) 3P	SPR630A3P	1400
Spreader for 400/630 (Set of 4) 4P	SPR630A4P	1750

Remarks

1. Price of Motor Mechanism for 800A MCCB is available on request
2. Price of MCCB above 800 A are available on request
3. In case both Aux-Alarm & Shunt Trip has to be used at some time order Combined Aux-Alarm contact along with Shunt Trip
4. Shunt Trip & Under Voltage are also available in other Voltage AC & DC, for information please contact
5. Phase Barrier as standard accessory

Intelligent Communications through CC-Link

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



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

DB

- 1) Compliance with IEC - 61439-3
- 2) IP-43
- 3) Manufactured by Deep Drawn Tool
- 4) Cassette type Assembly
- 5) Reversible Door



Key Features

- MCB/ RCCB
- Confirming IS/IEC/EN 60898-1
- Certification marking KEMA, CB(DERKA) Netherladn, CE, ISI
- Low watt 10x Loss
- Energy limiting Class 3
- Isolation
- Legend Plates for circuit identification



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	259	BHW-T10 2P B6	752	BHW-T10 3P B6	1293	BHW-T10 4P B6	1669
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	558	BHW-T10 2P B40	1222	BHW-T10 3P B40	1868	BHW-T10 4P B40	2456
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	

C Curve

Ampere	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
	SP		DP		TP		FP	
0.5A	BHW-T10 1P C0.5	400	BHW-T10 2P C0.5	1116	BHW-T10 3P C0.5	1821	BHW-T10 4P C0.5	2468
1A	BHW-T10 1P C1	370	BHW-T10 2P C1	1034	BHW-T10 3P C1	1551	BHW-T10 4P C1	1998
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	222	BHW-T10 2P C6	734	BHW-T10 3P C6	1175	BHW-T10 4P C6	1586
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	529	BHW-T10 2P C40	1175	BHW-T10 3P C40	1821	BHW-T10 4P C40	2350
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	

D Curve

Ampere	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
	SP		DP		TP		FP	
1A	BHW-T10 1P D1	382	BHW-T10 2P D1	1046	BHW-T10 3P D1	1586	BHW-T10 4P D1	2009
2A	BHW-T10 1P D2		BHW-T10 2P D2		BHW-T10 3P D2		BHW-T10 4P D2	
3A	BHW-T10 1P D3		BHW-T10 2P D3		BHW-T10 3P D3		BHW-T10 4P D3	
4A	BHW-T10 1P D4		BHW-T10 2P D4		BHW-T10 3P D4		BHW-T10 4P D4	
6A	BHW-T10 1P D6	323	BHW-T10 2P D6	787	BHW-T10 3P D6	1246	BHW-T10 4P D6	1633
10A	BHW-T10 1P D10		BHW-T10 2P D10		BHW-T10 3P D10		BHW-T10 4P D10	
16A	BHW-T10 1P D16		BHW-T10 2P D16		BHW-T10 3P D16		BHW-T10 4P D16	
20A	BHW-T10 1P D20		BHW-T10 2P D20		BHW-T10 3P D20		BHW-T10 4P D20	
25A	BHW-T10 1P D25		BHW-T10 2P D25		BHW-T10 3P D25		BHW-T10 4P D25	
32A	BHW-T10 1P D32		BHW-T10 2P D32		BHW-T10 3P D32		BHW-T10 4P D32	
40A	BHW-T10 1P D40	582	BHW-T10 2P D40	1251	BHW-T10 3P D40	1939	BHW-T10 4P D40	2421
50A	BHW-T10 1P D50		BHW-T10 2P D50		BHW-T10 3P D50		BHW-T10 4P D50	
63A	BHW-T10 1P D63		BHW-T10 2P D63		BHW-T10 3P D63		BHW-T10 4P D63	

- Normal Stock Items
- MOQ for MCB Shall be 12 Poles - Should be placed in multiple of
 - 1 P - 12, 3P - 4
 - 2 P - 6, 4P - 3



Accessories for MCB

Description	Voltage	UNIT LP INR
Shunt Trip	24V, 48V, 110V, 240V, 415V	1,800
Auxiliary Contact		735

Ordering Information

Type name	Number of poles	Operating characteristics	Rated current	Internal accessory
BHW-T10	1P	Type C	16A	SHT(12VDC)
BHW-T10	1P, 1P+N, 2P, 3P, 3P+N, 4P	Type B Type C Type D	0.5, 1, 2, 3, 4, 5, 6, 10, 16, 20, 25, 32, 40, 50, 63A	Shunt trip: SHT(12VDC), SHT(24VDC), SHT(48VDC), SHT(220VAC) Auxiliary switch: AX

Note : For ordering Shunt Release or Auxiliary Contact with MCB, please use above Ordering Information for part reference.

For price, please add the price of accessory to the Base Price of MCB. Auxiliary contact and Shunt Trip comes factory fitted



ISOLATORS & RCCB

Isolators

Ampere	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
	DP		TP		FP	
25A	KBW-T 2P 25A ■	546	KBW-T 3P 25A	823	KBW-T 4P 25A	1398
40A	KBW-T 2P 40A ■	570	KBW-T 3P 40A ■	928	KBW-T 4P 40A ■	1410
63A	KBW-T 2P 63A ■	658	KBW-T 3P 63A ■	1011	KBW-T 4P 63A ■	1451
80A	KBW-T 2P 80A	811	KBW-T 3P 80A	2350	KBW-T 4P 80A	2820
100A	KBW-T 2P 100A	1140	KBW-T 3P 100A	2409	KBW-T 4P 100A ■	2938
125A	KBW-T 2P 125A	1163	KBW-T 3P 125A	2468	KBW-T 4P 125A ■	3055

RCCB

Ampere	Pole	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR	Item Reference	UNIT LP INR
		30mA		100mA		300mA	
16A	DP	BVW-T 2P 16A 30M ■	2879	BVW-T 2P 16A 100M	2908	BVW-T 2P 16A 300M ■	2967
25A	DP	BVW-T 2P 25A 30M	2938	BVW-T 2P 25A 100M	2996	BVW-T 2P 25A 300M ■	3026
32A	DP	BVW-T 2P 32A 30M ■	3055	BVW-T 2P 32A 100M	3114	BVW-T 2P 32A 300M ■	3143
40A	DP	BVW-T 2P 40A 30M	3396	BVW-T 2P 40A 100M	3408	BVW-T 2P 40A 300M ■	3466
63A	DP	BVW-T 2P 63A 30M	3760	BVW-T 2P 63A 100M ■	3878	BVW-T 2P 63A 300M	4195
16A	FP	BVW-T 4P 16A 30M ■	4054	BVW-T 4P 16A 100M ■	4230	BVW-T 4P 16A 300M	4289
25A	FP	BVW-T 4P 25A 30M ■	4113	BVW-T 4P 25A 100M	4348	BVW-T 4P 25A 300M ■	4406
32A	FP	BVW-T 4P 32A 30M ■	4230	BVW-T 4P 32A 100M ■	4406	BVW-T 4P 32A 300M ■	4524
40A	FP	BVW-T 4P 40A 30M ■	4465	BVW-T 4P 40A 100M	4524	BVW-T 4P 40A 300M ■	4583
63A	FP	BVW-T 4P 63A 30M	4688	BVW-T 4P 63A 100M	4700	BVW-T 4P 63A 300M ■	4818

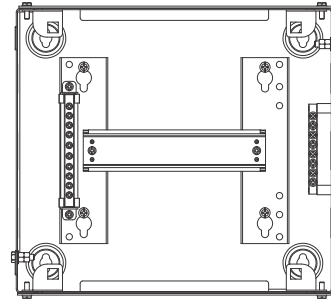
- Normal Stock Items
- 2P, Isolator shall be orderd in multiple of 6, MOQ - 06
- 3P, Isolator shall be orderd in multiple of 4
- 4P, Isolator shall be orderd in multiple of 3
- 2P, RCCB Shall be orderd in multiple of 5, MOQ - 05
- 4P, RCCB Shall be orderd in multiple of 3, MOQ - 03



Double Door IP43 DBs

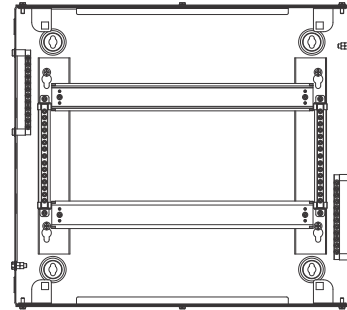
SPN Distribution Board

Description	Modules I/C +0/G	Item Reference	UNIT LP INR
4Way	4	MDBSPNDD04 ■	1,716
8Way	8	MDBSPNDD08 ■	2,150
12Way	12	MDBSPNDD12 ■	2,585
16Way	16	MDBSPNDD16 ■	3,255



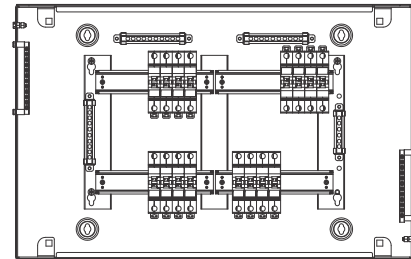
TPN Distribution Board-Horizontal

Description	Modules	Item Reference	UNIT LP INR
4Way	8+12	MDBTPNHDD04 ■	4,289
6Way	8+18	MDBTPNHDD06 ■	5,288
8Way	8+24	MDBTPNHDD08 ■	6,333
12Way	8+36	MDBTPNHDD12 ■	9,494
16Way	8+48	MDBTPNHDD16 ■	11,597



PPI-Distribution Board-Horizontal

Description	Modules I/C+0/G	Item Reference	UNIT LP INR
4Way	8+6+12	MDBTPNPPIDD04	10,892
6Way	8+6+18	MDBTPNPPIDD06 ■	12,267
8Way	8+6+24	MDBTPNPPIDD08 ■	13,560
12Way	8+6+36	MDBTPNPPIDD12 ■	17,226



PPI-Distribution Board-Vertical

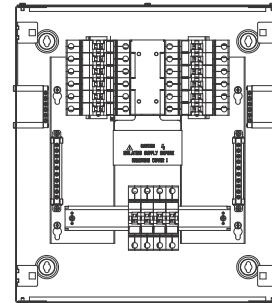
Description	Modules I/C+0/G	Item Reference	UNIT LP INR
6Way	8+6+18	MDBTPNVPPIDD06	8,566
8Way	8+6+24	MDBTPNVPPIDD08	11,374
10Way	8+6+30	MDBTPNVPPIDD10	11,527
12Way	8+6+36	MDBTPNVPPIDD12	12,690

■ Normal Stock Items



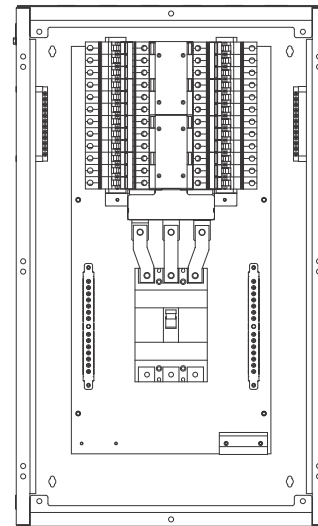
VTPN Distribution Boards with Prov for MCB+RCCB I/C

Description	Modules	Item Reference	UNIT LP INR
4Way	8+12	MDBTPNVDD04	10,563
8Way	8+24	MDBTPNVDD08	13,442
12Way	8+36	MDBTPNVDD12	17,226



with Prov for 125 A 3P/4P MCCB I/C

Description	Modules	Item Reference	UNIT LP INR
4Way	MCCB +12	MDBMCCB125DD04	11,527
8Way	MCCB+24	MDBMCCB125DD08	14,476
12Way	MCCB+36	MDBMCCB125DD12	19,270

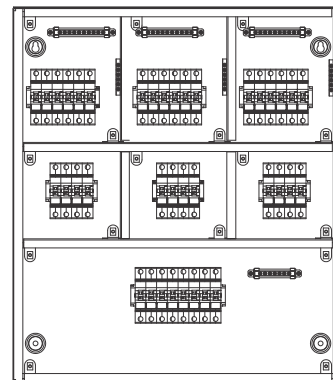


with Prov for 250 A 3P/4P MCCB I/C

Description	Modules	Item Reference	UNIT LP INR
4Way	MCCB +12	MDBMCCB250DD04	21,232
8Way	MCCB+24	MDBMCCB250DD08	24,910
12Way	MCCB+36	MDBMCCB250DD12	26,250

Phase Segregated Distribution Board-7Segment

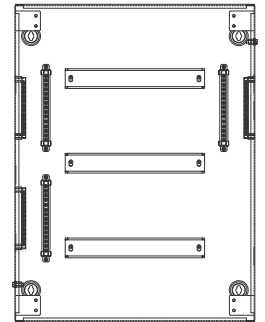
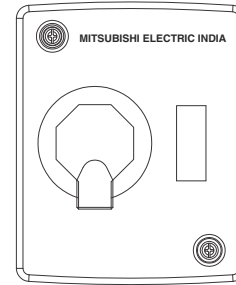
Description	Modules	Item Reference	UNIT LP INR
4Way	8+12+12	MDB7SEGDD04	9,835
6Way	8+12+18	MDB7SEGDD06	11,080
8Way	8+12+24	MDB7SEGDD08	12,373
12Way	8+12+36	MDB7SEGDD12	15,804





Plug & Socket Distribution Board

Description	Item Reference	UNIT LP INR
10A SPN	MDBPSSPN010	1,716
20A SPN	MDBPSSPN020	1,845
20A TPN	MDBPSTPN020	3,396
32A TPN	MDBPSTPN030	4,030



Flexi Tier Distribution Board

Description	Modules	Item Reference	UNIT LP INR
2Tier	26	MDBFLDD2R13	4,900
3Tier	39	MDBFLDD3R13	5,769
4Tier	52	MDBFLDD4R13	6,380

Metal Enclosure

Description	Item Reference	UNIT LP INR
SP / DP	MDBMCEBDP	470
TP / FP	MDBMCEBFP	682

Accessories for Distribution Board

Description	Suitable for DB (x no of Busbars required per DB)	UNIT LP INR	Description	Suitable for DB (x no of Busbars required per DB)	UNIT LP INR
Fork Busbar 1P 4Mod	4Way TPN DB (x3Nos)	110	Fork Busbar 1P 13Mod	12+2way PP DB(x3Nos)	370
Fork Busbar 1P 6Mod	6Way TPN DB (x3Nos)	160	Fork Busbar 1P 15Mod	16Way SPN DB(x1No)	420
Fork Busbar 1P 8Mod	8Way TPN DB (x3Nos)	230	Fork Busbar 2P 12Mod	Flexi DB	500
Fork Busbar 1P 12Mod	12Way TPN DB (x3Nos)	330	Fork Busbar 3P 12Mod	Flexi DB	750
Fork Busbar 1P 5Mod	6Way SPN DB (x1No)	130	Fork Busbar 4P 12Mod	Flexi DB	930
Fork Busbar 1P 7Mod	8Way SPN DB (x1No)	170	Blanking plate	1Module	15
Fork Busbar 1P 9Mod	8+2Way PPI DB(x3Nos)	260	Insulated Connectors for 25 sq mm cable	Set of 4	410
Fork Busbar 1P 11Mod	12Way SPN DB (x1No)	300			

Phase Selector DB

Description	Module	Item Reference	New LP
4 WAY	63A R/S	MDBPHSDD04RS63	14335
6 WAY	63A R/S	MDBPHSDD06RS63	14922.5
8 WAY	63A R/S	MDBPHSDD08RS63	15510
12 WAY	63A R/S	MDBPHSDD12RS63	17860
4 WAY	40 R/S	MDBPHSDD04S40	14100
6 WAY	40 R/S	MDBPHSDD06S40	14687.5
8 WAY	40 R/S	MDBPHSDD08S40	15275
12 WAY	40 R/S	MDBPHSDD12S40	17625
4 WAY	Without R/S	MDBPHSDD04	11750
6 WAY	Without R/S	MDBPHSDD06	12102.5
8 WAY	Without R/S	MDBPHSDD08	12690
12 WAY	Without R/S	MDBPHSDD12	15157.5

MS-T Series

Mitsubishi Magnetic Contactors and Magnetic Starters

Exceed your expectations

Mitsubishi's Magnetic Contactors and Magnetic Starters, continuously pushing the boundaries.



Key Features :

- Range from 9A upto 93A
- It comes in small size
- Available in slimline reversing type
- Integrated terminal cover
- Wide range of operating coils
- Auxiliary contacts suitable for direct control operation from PLC output
- Easy branch circuit wiring with MPCB
- UL certified
- 50/60Hz common contractor


Power Contactors: 3P AC3 duty

Ampere at 380-44VAC	KVAR Rating 400-440V	Inbuilt Contact	AC	UNIT LP INR	DC	UNIT LP INR
9A	3	1NO	S-T10 AC...V 1A	835 ■		
9A	3	1NC	S-T10 AC...V 1B	835 ■		
12A	4	1NO+1NC	S-T12 AC...V 1A1B	1210 ■	SD-T12 DC...V 1A1B	1874
18A	8.3	1NO+1NC	S-T20 AC...V 1A1B	1495 ■	SD-T20 DC...V 1A1B	2301
23A	10	2NO+2NC	S-T21 AC...V 2A2B	1640 ■	SD-T21 DC...V 2A2B	2318
30A	15.2	2NO+2NC	S-T25 AC...V 2A2B	2229 ■		
32A	-		S-T32 AC...V	2263 ■	SD-T32 DC...V	4214
40A	20	2NO+2NC	S-T35 AC...V 2A2B	4217 ■	SD-T35 DC...V 2A2B	4815
50A	27	2NO+2NC	S-T50 AC...V 2A2B	4352 ■	SD-T50 DC...V 2A2B	8025
65A	34	2NO+2NC	S-T65 AC...V 2A2B	6155 ■	SD-T65 DC...V 2A2B	10077
80A	40	2NO+2NC	S-T80 AC...V 2A2B	7381 ■	SD-T80 DC...V 2A2B	14268
93A	60	2NO+2NC	S-T100 AC...V 2A2B	8627 ■	SD-T100 DC...V 2A2B	18000

Auxiliary Contactors :

No. of Contacts	Contact Configuration	AC	UNIT LP INR	DC	UNIT LP INR
5	5NO	SR-T5 AC...V 5A	817 ■	SRD-T5 DC...V 5A	1695
5	4NO+1NC	SR-T5 AC...V 4A1B	817 ■	SRD-T5 DC...V 4A1B	1695
5	3NO+2NC	SR-T5 AC...V 3A2B	817 ■	SRD-T5 DC...V 3A2B	1695
9	9NO	SR-T9 AC...V 9A	2281 ■	SRD-T9 DC...V 9A	5231
9	7NO+2NC	SR-T9 AC...V 7A2B	2281 ■	SRD-T9 DC...V 7A2B	5231
9	5NO+4NC	SR-T9 AC...V 5A4B	2281 ■	SRD-T9 DC...V 5A4B	5231

Coil Ratings & Ordering Designation

Contactor Rating	AC Rated Voltage 50/60Hz	Ordering Designation - AC	DC Rated Voltage	Ordering Designation - DC
For S(D) T10 - S (D) T 100, SR(D)-T5, SR (D)-T9	24	AC24V	12	DC12V
	48-50	AC48V	24	DC24V
	100-127	AC100V	48	DC48V
	200-240	AC200V	100	DC100V
	260-300	AC300V	110	DC110V
	380-440	AC400V	120-125	DC125V
	460-550	AC500V	200	DC200V
				220

Accessories
Auxiliary Contact Block

Contractor Rating	TYPE	No of Contact	Contact Configuration	Item Recreance	UNIT LP INR
ST-10-50/SD-T12-50 SR(D)-T5	Front Connection	2	1NO+1NC	UT-AX2 1A 1B ■	402
		2	2NO	UT-AX2 2A ■	402
		2	2NC	UT-AX2 2B ■	402
		4	2NO+2NC	UT-AX4 2A2B ■	602
		4	3NO+1NC	UT-AX4 3A1B ■	602
		4	4NO	UT-AX4 4A ■	745
ST-10-50/SD-T12-50 SR(D)-T5	Side Connection	2	1NO+1NC	UT-AX11A1B ■	840

■ Normal Stock Items



Surge Absorber

Contactor Rating	Type	Item Reference	Coil Designation	AC Range	DC Range	UNIT LP INR
Operation Coil Surge Absorber						
ST -10~50/SD-T12~50/ SR(D) -T5/T9	With Varistor	UT -SA21	AC24V	12-24VAC	12-24VDC	694
			AC48V	24-50VAC	24-48VDC	
			AC200V	100-240VAC	100-220VDC	
			AC400V	346-480VAC	-	
	With Varistor + Indicating LED	UT -SA22	AC200V	100-240VAC	100-220VDC	1269
			With CR	UT -SA23	AC200V	100-240VAC
		UT -SA13	AC200V	-	100-220VDC	1310
With Varistor+CR	UT -SA25	AC48V	24-50VAC	24-60VDC	1269	
		AC200V	100-240VAC	100-220VDC		
Contactor Rating	Mounting method	Item Reference	UNIT LP INR	Withstand voltage across terminal	Maximum Applied Voltage	Mechanical Resistance
Main Circuit Surge Absorber Unit						
S-T10,T12,T20(BC)	On head	UT-SA3320	2424	600VAC for 1 minute	800V	10 million times
S-T21,T25,T32(BC) SD-T21,T32 (BC)		UT-SA3332	3011			
S-T10 (BC)~T100SD- T12 (BC)~T100	Independent mounting	UT-SA33	2038			

Mechanical Interlock Unit

Contactor Rating	Item Reference	UNIT LP INR
S-T10,T12,T20	UT-ML11	1303
SD-T12,T20	UT-ML20	1304
S(D)-T21~T80	UT-ML21	595
S(D)-T100	UT-ML80	745

DC/AC Interface unit f or operation coils

Contactor Rating	Item Reference	Mounting method	UNIT LP INR
S-T10~T50	UT -SY21	Additional mounting on top	1316
	UT -SY22		911
S-T10~T100	UT -SY11	Independent mounting	1945
	UT -SY12		1345
S-T65,T80	UT -SY31	Additional mounting on top	4391
	UT -SY32		2873



Thermal Overload Relays TH-T
SPP with inbuilt 1NO+1NC

Accessories

Range	Item Reference	UNIT LP INR	Mounting method	O/L Relay Rating	Item Reference	UNIT LP INR	Remarks
0.1-0.16	TH-T18KP 0.12A	1337	Contactor Mounted ST - 10,S(D)T -12, S(D)T -20	TH-T18(KP)	UT-HZ18	975	Independent mounting IEC rail 35mm/ Screw mounting
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 ■						
12-18	TH-T18KP 15A ■	1460		TH-T25(KP)	UT-RM20	1062	Connection conductor
0.2-0.32	TH-T25KP 0.24A	1460	Independently Mounted S(D)T -21,ST -25, S(D) T-35,S(D)T -50	TH-T50KP	UT-TH50	1458	
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						
4-6	TH-T25KP 5A						
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 ■	1460		TH-T100KP (- 65/80)	BH559N350	315	
24-34	TH-T50KP 29A	1713	Independently Mounted S(D)T -35,S(D)T -50	TH-T100KP (ST-100)	BH569N350	673	
30-40	TH-T50KP 35A						
34-50	TH-T50KP 42A						
12-18	TH-T65KP 15A	2071	Independently Mounted S(D)T -65,S(D)T -80, S(D) T-100	TH-T100KP(SDT-100)	BH569N352	673	
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	2397	Independently Mounted S(D)T -80, S(D)T -100				
65-100	TH-T100KP 82A						

■ Normal Stock Items

Key Feature

- Compliance to IEC 60947-2, EN60947-2
- Certification - SIS, UL, CE, CCC, IEC
- Integrated Finger Protection
- Solderless Terminal
- Compact Design
- Test trip function
- Optional - Short circuit Indicator
- Tumbler Handle

Breaking Capacity at 415V	Ampere	Item Reference	UNIT LP INR	
100KA	0.1-0.16A	MMP-T32LF0.16A	2582	
100KA	0.16-0.25A	MMP-T32LF0.25A		
100KA	0.25-0.4A	MMP-T32LF0.4A		
100KA	0.4-0.63A	MMP-T32LF0.63A ■	2790	
100KA	0.6-1A	MMP-T32LF1.0A ■		
100KA	1-1.6A	MMP-T32LF1.6A ■		
100KA	1.6-2.5A	MMP-T32LF2.5A ■		
100KA	2.5-4A	MMP-T32LF4.0A ■		
100KA	4-6.3A	MMP-T32LF6.3A ■		
100KA	5.5-8A	MMP-T32LF8A ■		
100KA	7-10A	MMP-T32LF10A ■		
15KA	9-13A	MMP-T32LF13A ■		3443
15KA	12-18A	MMP-T32LF18A ■		
15KA	18-25A	MMP-T32LF25A ■	3741	
10KA	24-32A	MMP-T32LF32A ■	4595	
100KA	9-13A	MMP-T3213A ■	3869	
50KA	12-18A	MMP-T3218A ■		
50KA	18-25A	MMP-T3225A ■	4205	
50KA	24-32A	MMP-T3232A ■	5163	

Accessories for MPCB- MMP-T32LF / MMP-T32

Description		Item Reference	UNIT LP INR
Aux Contact 1NO		UT-MAX1A	609
Aux Contact 1NC		UT-MAX1B	609
Alarm Contact 1NO		UT-MAL1A	609
Alarm Contact 1NC		UT-MAL1B	609
Connection Conductor Joint with ST-10/12/20		UT-MT20 ■	517
Connection Conductor Joint with ST-32		UT-MT32 ■	531
Bus Bar Twin Type -45mm	A unit to supply Power to two MMP-T32	UT-2B4	1400
Bus Bar Twin Type -45mm	A unit to supply Power to three MMP-T32	UT-3B4	1680
Bus Bar Twin Type -57mm	A unit to supply Power to two MMP-T32	UT-2B5	1400
Bus Bar Twin Type -57mm	A unit to supply Power to three MMP-T32	UT-3B5	1680

MS-N series

Performance with a refined new design and functional beauty



Key Features :

- Range from 120A upto 800A
- Simple installation and wiring
- Simple inspection
- Built in surge absorber
- Improved magnet
- DC electromagnet with AC operation (patented)



Power Contactors: 3P AC - 3 Duty

Ampere at 380-440VAC	kVAR Rating 400-440V	Inbuilt Contact	AC	UNIT MRP INR	DC	UNIT LP INR
120A	65	2NO+2NC	S-N125 AC...V2A2B	10534	SD-N125 DC...V2A2B	18789
150A	80	2NO+2NC	S-N150 AC...V2A2B	14995	SD-N150 DC...V2A2B	23004
180A	125	2NO+2NC	S-N180 AC...V2A2B	19537		
250A	120	2NO+2NC	S-N220 AC...V2A2B	25225	SD-N220 DC...V2A2B	36424
300A	150	2NO+2NC	S-N300 AC...V2A2B	34307	SD-N300 DC...V2A2B	44308
400A	200	2NO+2NC	S-N400 AC...V2A2B	37536	SD-N400 DC...V2A2B	47714
630A	350	2NO+2NC	S-N600 AC...V2A2B	89801	SD-N600 DC...V2A2B	On Request
800A	350	2NO+2NC	S-N800 AC...V2A2B	157406	SD-N800 DC...V2A2B	On Request

Coil Ratings & Ordering Designation

Contactor Rating	AC Rated Voltage 50/60Hz	Ordering Designation-AC	DC Rated Voltage 50/60Hz	Ordering Designation -DC
For S(D)N120 - S(D)N800	100-127	AC100V	24	DC24V
	200-240	AC200V	48	DC48V
	260-350	AC300V	100	DC100V
	380-440	AC400V	110	DC110V
	460-550	AC500V	120-125	DC125V
			200	DC200V
			220	DC220V

Accessories

Auxiliary Contact Block					
Contactor Rating	Type	No of Contacts	Contact Configuration	Item Reference	UNIT LP INR
S(D) -N125	Side Connection	2	1NO+1NC	UN-AX80	658
S(D) -N150, -N180, -N220, -N300, -N400		2	1NO+1NC	UN-AX150	676
S(D) -N600, -N800		4	2NO+2NC	UN-AX600	2469

Mechanical Interlock Unit

Contactor Rating	Item Reference	UNIT LP INR
S(D) -N125	UN-ML80	745
S(D) -N150	UN-ML150	896
S-N180, S(D) -N220, -N300, -N400	UN-ML220	1050

Terminal Covers

For Contactor	Item Reference	UNIT LP INR
S(D)N -125	UN-CZ1250	1018
S(D)N-150	UN-CZ1500	1425
S(D) -N180, -N220	UN-CZ2200	1627
S(D) -N300, -N400	UN-CZ3000	1938

Remarks: Also available on request

1. While Ordering Contactors please refer table Coil Ratings & Ordering Designation for suitable Coil Ratings
2. Mechanically latched reversing contactors
3. Prewired starters MSO, MSOD
4. Contactors with finger protection
5. Solid state contactor range 5A till 200A (AC-1)

■ Normal Stock Items



Thermal Overload Relays TH-N
SPP with inbuilt 1NO+1NC

Range	Item Reference	UNIT LP INR	Mounting method
43-65	TH-N120KP 54A	2296	Independently Mounted S-N125, -N150
54-80	TH-N120KP 67A		
65-100	TH-N120KP 82A		
85-125	TH-N120KPTA 105A	9059	
100-150	TH-N120KPTA 125A		
85-125	TH-N220KPRH 105A	9059	
100-150	TH-N220KPRH 125A		
120-180	TH-N220KPRH 150A		
140-220	TH-N220KPRH 180A		
170-250	TH-N220KPRH 210A		
120-180	TH-N400KPRH 150A	9059	Independently Mounted S-N300, -N400
140-220	TH-N400KPRH 180A		
200-300	TH-N400KPRH 250A		
260-400	TH-N400KPRH 330A		

Accessories

O/L Relay Rating	Item Reference	UNIT LP INR	Remarks
"TH-N120KP, TH-N120TAKP (S(D) -N125)"	BH579N355	On request	Independent mounting IEC rail 35mm/ Screw mounting
"S(D) -N150 (TH-N120(KP), N120TA(KP))"	BH589N355	On request	Independent mounting IEC rail 35mm

Please Note : Connecting bars and mounting plate are included in the OLR of TH-N220RH(KP) and TH-N400RH(KP) for S-N180, -N220, -N300, -N400.



Remarks:

- Also available on request
- Electronic motor protection relays having selectable protection mode, overload including locked rotor condition, phase failure, selectable tripping time at 600% of setting.

■ Normal Stock Items



MODEL

ME96SS

MITSUBISHI ELECTRONIC MULTI-MEASURING INSTRUMENT



Key Features :

- Three model line up - High Speed, Standard, Standard, Economy
- Improved measuring accuracy - Class 0.5S
- Large bar graph display
- Advanced alarm display
- Motor starting current mask
- Password Function
- Special Primary Voltage/ Current & Special secondary voltage are settable
- Line up MODBUS TCP communication unit & support ethernet communication
- Line up logging unit your data backup


Super-S Series



Main Unit

Model no.	UNIT LP INR
ME96SSH-MB	40720
ME96SSRA-MB ■	29000
ME96SSEA-MB	23490

Optional Plug In Module for ME96SSRA & ME96SSHA

Model no.	UNIT LP INR
ME-4210-SS96	7830
ME-0040C-SS96 ■	8560
ME-0052-SS96	7830

Selection Table for Optional Module

Model Name	Analog	Pulse	Contact	Contact	Communication
	Output	Output	Input	Output	
ME-4210-SS96	4	2 note1	1	(2)note1	-
ME-0040C-SS96	-	-	4	-	CC-Link
ME-0052-SS96	-	-	5	2note2	-

Note 1 : Pulse output can be used for contact output of the alarm functions by setting.

Note 2 : These contact output are controlled via MODBUS RTU communication.

Note 3 : Line up MODBUS TCP communication unit that can be used in ethernet environment in addition to the current MODBUS RTU (RS 485) communication and CC-link communication units.

■ Normal Stock Items

Selection Chart For Starter with MPCB

Selection Table for DOL

Power ratings of 3Phase Motors 50/60Hz in Category AC-3 at 415V (KW)	HP	Motor Full Load Current (Amp)	Conatctor Rated (Amp)	Type designation of Contactor	MPCB RANGE	Type designation of MPCB	Wire size recommended
0.09	0.13	0.3	9A/12A	ST -10 / ST-12	0.25-0.4A	MMP-T32 LF 0.4A	1.5MMSQ
0.12	0.17	0.4	9A/12A	ST -10 / ST-12	0.4-0.63A	MMP-T32 LF 0.63A	1.5MMSQ
0.18	0.25	0.6	9A/12A	ST -10 / ST-12	0.4-0.63A	MMP-T32 LF 0.63A	1.5MMSQ
0.25	0.33	0.8	9A/12A	ST -10 / ST-12	0.6-1A	MMP-T32 LF 1A	1.5MMSQ
0.37	0.5	1.1	9A/12A	ST -10 / ST-12	1 - 1.6A	MMP-T32 LF 1.3 A	1.5MMSQ
0.55	0.75	1.5	9A/12A	ST -10 / ST-12	1 - 1.6A	MMP-T32 LF 1.3A	1.5MMSQ
0.75	1	1.9	9A/12A	ST -10 / ST-12	1.6-2.5A	MMP-T32 LF 2.5A	1.5MMSQ
1.1	1.5	2.6	9A/12A	ST -10 / ST-12	2.5-4A	MMP-T32 LF 4A	1.5MMSQ
1.5	2	3.5	9A/12A	ST -10 / ST-12	2.5-4A	MMP-T32 LF 4A	1.5MMSQ
2.2	3	5	9A/12A	ST -10 / ST-12	4-6.3A	MMP-T32 LF 6.3A	1.5MMSQ
3	4	6.3	9A/12A	ST -10 / ST-12	5.5-8A	MMP-T32 LF 8A	1.5MMSQ
3.7	5	7.5	12A	ST -12	5.5-8A	MMP-T32 LF 8A	1.5MMSQ
4	5.5	8	12A	ST -12	7-10A	MMP-T32 LF 10A	1.5MMSQ
5.5	7.5	11	18A	ST -20	9-13A	MMP-T32 LF 13A	2.5MMSQ
7.5	10	15	18A	ST -20	12-18A	MMP-T32 LF 18A	4MMSQ
11	15	21	23A	ST -21	18-25A	MMP-T32 LF 25A	6MMSQ
15	20	28	40A	ST -35	24-32A	MMP-T32 LF 32A	10MMSQ

Selection Table for Star Delta

Power ratings of 3Phase Motors 50/60Hz in Category AC-3 at 415V (KW)	HP	Motor Full Load Current (Amp)	Contactor Rated (Amp)	Type designation of Contactor	MPCB RANGE	Type designation of MPCB overload protection built in Motor Protection Breaker	Wire size recommended
2.2	3	5	12A	ST -12	4-6.3A	MMP-T32LF 6.3A	1.5MMSQ
3	4	6.3	12A	ST -12	7-10A	MMP-T32LF 10A	1.5MMSQ
3.7	5	7.5	12A	ST -12	7-10A	MMP-T32LF 10A	1.5MMSQ
4	5.5	8	12A	ST -12	7-10A	MMP-T32LF 10A	1.5MMSQ
5.5	7.5	11	12A	ST -12	9-13A	MMP-T32LF 13A	1.5MMSQ
7.5	10	15	12A	ST -12	12-18A	MMP-T32LF 18A	1.5MMSQ
11	15	21	18A	ST -20	18-25A	MMP-T32LF 25A	1.5MMSQ
15	20	28	18A	ST -20	24-32A	MMP-T32LF 32A	2.5MMSQ

Selection Chart For Starter with MCCB

Selection Table for DOL

Power ratings of 3Phase Motors 50/60Hz in Category AC-3 at 415V (KW)	HP	Motor Full Load Current (Amp)	Contactor Rated (Amp)	Type designation of Contactor	OLR relay range	Type designation of Overload Relay	MCCB rated Current	Type designation of MCCB	Wire size recommended
0.18	0.25	0.6	9A/12A	ST-10 / ST-12	0.55-0.85	TH-T18KP 0.7A	3A	NF32-SV	1.5MMSQ
0.25	0.33	0.8	9A/12A	ST-10 / ST-12	0.7-1.1A	TH-T18KP 0.9A	3A	NF32-SV	1.5MMSQ
0.37	0.5	1.1	9A/12A	ST-10 / ST-12	1 - 1.6A	TH-T18KP 1.3A	3A	NF32-SV	1.5MMSQ
0.55	0.75	1.5	9A/12A	ST-10 / ST-12	1 - 1.6A	TH-T18KP 1.3A	3A	NF32-SV	1.5MMSQ
0.75	1	1.9	9A/12A	ST-10 / ST-12	1.7-2.5A	TH-T18KP 1.7A	4A	NF32-SV	1.5MMSQ
1.1	1.5	2.6	9A/12A	ST-10 / ST-12	2-3A	TH-T18KP 2.5A	6A	NF32-SV	1.5MMSQ
1.5	2	3.5	9A/12A	ST-10 / ST-12	2.8-4.4A	TH-T18KP 3.6A	10A	NF32-SV	1.5MMSQ
2.2	3	5	9A/12A	ST-10 / ST-12	4-6A	TH-T18KP 5A	10A	NF32-SV	1.5MMSQ
3	4	6.3	9A/12A	ST-10 / ST-12	5.2 - 8A	TH-T18KP 6.6A	16A	NF32-SV	1.5MMSQ
3.7	5	7.5	12A	ST-12	5.2 - 8A	TH-T18KP 6.6A	16A	NF32-SV	1.5MMSQ
4	5.5	8	12A	ST-12	7 - 11A	TH-T18KP 9A	20A	NF32-SV	1.5MMSQ
5.5	7.5	11	18A	ST-20	9-13A	TH-T18KP 11A	25A	NF32-SV	2.5MMSQ
7.5	10	15	18A	ST-20	12-18A	TH-T18KP 15A	32A	NF32-SV	4MMSQ
11	15	21	23A	ST-21	18-26A	TH-T25KP 22A	50A	NF63-SV	6MMSQ
15	20	28	40A	ST-35	24-34A	TH-T50KP 29A	63A	NF63-SV	10MMSQ
18.5	25	35	40A	ST-35	30-40A	TH-T50KP 35A	50A	NF125-SV	10MMSQ
22	30	40	50A	ST-50	34-50A	TH-T50KP 42A	50A	NF125-SV	16MMSQ
30	40	54	65A	ST-65	43-65A	TH-T65KP 54A	80A	NF125-SV	25MMSQ
37	50	67	85A	ST-80	54-80A	TH-T100KP 67A	100A	NF125-SV	25MMSQ
45	60	79	85A	ST-80	65-100A	TH-T100KP 82A	100A	NF125-SV	35MMSQ
55	75	98	105A	ST-100	85-105A	TH-N60TAKP 95A *	125A	NF125-SV	50MMSQ
75	100	130	150A	SN-150	100-150A	TH-N120TAKP 125A	200A	NF250-SV	50MMSQ
90	125	160	180A	SN-180	120-180A	TH-N220RHKP 150A	250A	NF250-SV	70MMSQ
110	150	190	250A	SN-220	140-220A	TH-N220RHKP 180A	300A	NF400-SW	95MMSQ
132	180	230	250A	SN-220	170-250A	TH-N220RHKP 210A	350A	NF400-SW	150MMSQ
160	220	270	300A	SN-300	200-300A	TH-N400RHKP 250A	400A	NF400-SW	150MMSQ
200	270	328	400A	SN-400	260-400A	TH-N400RHKP 330A	500A	NF630-SW	185MMSQ

Selection Table for Star Delta

Power ratings of 3Phase Motors 50/60Hz in Category AC-3 at 415V (KW)	HP	Motor Full Load Current (Amp)	Contactor Rated (Amp)	Type designation of Contactor	OLR relay range	Type designation of Overload Relay	MCCB rated Current	Type designation of MCCB	Wire size recommended
2.2	3	5	12A	ST -12	2.8-4.4A	TH -T18KP 3.6A	16A	NF32-SV	1.5MMSQ
3	4	6.3	12A	ST -12	2.8-4.4A	TH -T18KP 3.6A	16A	NF32-SV	1.5MMSQ
3.7	5	7.5	12A	ST -12	4-6A	TH -T18KP 5A	16A	NF32-SV	1.5MMSQ
4	5.5	8	12A	ST -12	4-6A	TH -T18KP 5A	20A	NF32-SV	1.5MMSQ
5.5	7.5	11	12A	ST -12	5.2-8A	TH -T18KP 6.6A	25A	NF32-SV	1.5MMSQ
7.5	10	15	12A	ST -12	7-11A	TH -T18KP 9A	32A	NF32-SV	1.5MMSQ
11	15	21	18A	ST -20	9-13A	TH -T18KP 11A	50A	NF63-SV	1.5MMSQ
15	20	28	18A	ST -20	12-18A	TH -T18KP 15A	40A	NF125-SV	2.5MMSQ
18.5	25	35	23A	ST -21	18-26A	TH -T25KP 22A	50A	NF125-SV	2.5MMSQ
22	30	40	30A	ST -25	18-26A	TH -T25KP 22A	63A	NF125-SV	4MMSQ
30	40	54	40A	ST -35	24-34A	TH -T50KP 29A	80A	NF125-SV	6MMSQ
37	50	67	50A	ST -50	34-50A	TH -T50KP 42A	100A	NF125-SV	6MMSQ
45	60	79	50A	ST -50	34-50A	TH -T50KP 42A	125A	NF250-SV	10MMSQ
55	75	98	65A	ST -65	43-65A	TH -T65KP 54A	150A	NF250-SV	16MMSQ
75	100	130	85A	ST -80	54-80A	TH -T100KP 67A	225A	NF250-SV	25MMSQ
90	125	160	105A	ST -100	85-105A	TH -N60TAKP 95A *	300A	NF400-SW	35MMSQ
110	150	190	120A	SN-125	85-125A	TH -N120TAKP 105A	350A	NF400-SW	35MMSQ
132	180	230	150A	SN-150	100-150A	TH -N120TAKP 125A	400A	NF400-SW	50MMSQ
160	220	270	180A	SN-180	120-180A	TH -N220RHKP 150A	500A	NF630-SW	70MMSQ
200	270	328	250A	SN-220	140-220A	TH -N220RHKP 180A	600A	NF630-SW	95MMSQ
250	340	435	300A	SN-300	200-300A	TH -N400RHKP 25 0A	500A	NF800-SEW	150MMSQ
315	420	530	400A	SN-400	260-400A	TH -N400RHKP 330A	800A	NF1000-SW	185MMSQ
355	480	580	400A	SN-400	260-400A	TH -N400RHKP 330A	900A	NF1000-SW	185MMSQ
400	540	650	400A	SN-400	260-400A	TH -N400RHKP 330 A	1000A	NF1000-SW	240MMSQ
450	600	730	630A	SN-600	400-600A	TH -N600KP + CT500A	1200A	NF1250-SW	150MMSQ (2 wires)

* Only Independent Mounting Possible



15 horizontal blue lines for notes.

NOTES

- Prices are subject to revision without prior notice.
- Prices will be those prevailing at the time of dispatch.
- All Prices are Ex Works Basic Prices, GST Chargeable Extra As Applicable



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- Prices will be those prevailing at the time of dispatch.
- All Prices are Ex Works Basic Prices, GST Chargeable Extra As Applicable

**Safety Warning**

To ensure proper use of the products listed in this catalogue, please be sure to read the instruction manual prior to use.

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Prahaldnagar, Satellite, Ahmedabad - 380015. Gujarat, India.
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C-Scheme, Jaipur-302001, Rajasthan, India
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Plot No. 7/PU - 4, Scheme No. 54, Vijay Nagar,
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Begumpet, Hyderabad -500016

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Door No.497 & 498,
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Arumbakkam, Chennai - 600 106, India

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Coimbatore - 641018, Tamil Nadu, India

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