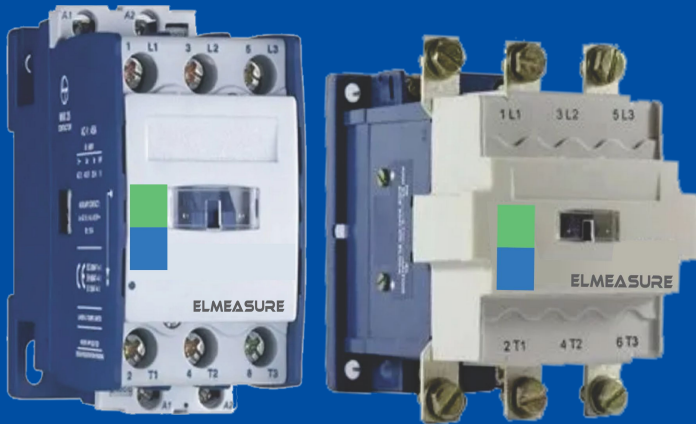


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# ■ LOW VOLTAGE SWITCHGEAR

For a safe, reliable and hassle-free electrical distribution.





# 3 POLE CONTACTORS & OVERLOAD RELAYS

E3MX Series  
Range 9A-250A

EMN 40/110  
Range 1.4A-110A

WLEQS

## 3 Pole Contactor

- Ranges from 9A to 250A (AC3 category)
- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Universal coil for 50Hz and 60Hz application
- Compact design for saving panel space
- Top mounting add-on blocks up to 80A
- High Electromechanical life
- Universal electronic coil version
- Ambient temperature -20°C to 55°C

## Thermal Overload Relay

- Ranges from 1.4A - 110A
- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Ambient temperature compensated up to 55 C
- Inbuilt Single phase missing Protection
- Manual / Auto Reset Provision
- Accurate overload tripping
- On/Off/Trip Indication contacts

## E3MX Models

Frame	Model Number	Rating	Remark	List Price
FR1	E3MX 09	9A	1 NO	1092
	E3MX 18	18A		1288
FR2	E3MX 25	25A	#	1635
	E3MX 32	32A	#	2850
	E3MX 40	40A	#	4350
FR3	E3MX 50	50A	#	6000
	E3MX 70	70A	2 NO + 2 NC	8000
	E3MX 80	80A		10100
E3MX 95	95A	12706		
FR4	E3MX 110	110A	2 NO + 2 NC	14000
	E3MX 140	140A		17750
FR5	E3MX 180	180A	2 NO + 2 NC	23487
	E3MX 250	250A		27207

## EMN 40/110 Models

Frame	Model Number	Rating	Remark	List Price
EMN 20	EMN 202X3	1.4-2.3	Directly operated	1500
	EMN 203X3	2-3.3		1500
	EMN 205XX	3-5		1575
	EMN 207X5	4.5-7.5		1575
	EMN 20100	6-10		1500
	EMN 20150	9-15		1600
	EMN 20230	14-23		1750
	EMN 20330	20-33		2450
	EMN 20400	24-40		2550
	EMN 50	EMN 50150		9-15
EMN 50230		14-23	3150	
EMN 50330		20-33	3150	
EMN 50500		30-50	3750	
EMN 50600		30-60	4050	
EMN 50750		45-75	4350	
	EMN 50100	66-110		4950



# 3 / 4 POLE POWER CONTACTORS

P3MX Series  
Range 9A-95A

P4MX Series  
Range 18A-40A

EMEQS

## 3 Pole Power Contactors

- Ranges from 9-95A
- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Universal coil for 50 & 60Hz application
- Compact design for saving panel space
- Top mounting addon blocks upto 95A
- High Electromechanical life
- Universal electronic coil version

## P3MX Models

Frame	Model Number	Rating	Remark	Price
FR1	P3MX 09	9A	1NO + 1NC	<b>1037</b>
	P3MX 18	18A		<b>1223</b>
FR2	P3MX 25	25A		<b>1553</b>
	P3MX 32	32A		<b>2992</b>
FR3	P3MX 40	40A		<b>4567</b>
	P3MX 50	50A		<b>6300</b>
	P3MX 65	65A		<b>8400</b>
FR4	P3MX 80	80A		<b>10600</b>
	P3MX 95	95A		<b>13341</b>

## 4 Pole Power Contactors

- Ranges from 18 - 40A
- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Optional Electromechanical Interlock
- High operating ambient temperature
- Reliable operation for Auto Changeover application
- Wide operating band upto 63A AC1
- Designed for continuous duty application

## P4MX Models

Frame	Model Number	Rating	Remark	Price
FR1	P4MX 18	18A	#	<b>1050</b>
	P4MX 32	32A	#	<b>1123</b>
	P4MX 40	40A	#	<b>1900</b>



# 4 POLE CONTACTORS

E4MX Series  
Range 16A-255A

WLEQS

## 4 Pole Contactors

- Ranges from 16A-255A
- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Optional Electro-mechanical Interlock
- High operating ambient temperature
- Reliable operation for Auto Changeover application
- Wide operating band upto 100A AC1
- Designed for continuous duty application

## E4MX Models

Frame	Model Number	Rating	Remark	Price
FR1	E4MX 16	16A	#	<b>1107</b>
	E4MX 32	32A	#	<b>1183</b>
	E4MX 40	40A	#	<b>1733</b>
FR2	E4MX 50	50A	#	<b>2615</b>
	E4MX 63	63A	#	<b>4185</b>
	E4MX 80	80A	#	<b>6600</b>
FR3	E4MX 100	100A	#	<b>8950</b>
	E4MX 130	130A	#	<b>10700</b>
FR4	E4MX 160	160A	2 NO + 2 NC	<b>17500</b>
	E4MX 200	200A	2 NO + 2 NC	<b>20900</b>
	E4MX 255	255A	2 NO + 2 NC	<b>25700</b>

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# CAPACITIVE DUTY CONTACTORS

E3MO Series  
Range 5-100 kVAr

WLEQS

## Capacitive Duty Contactors

- Ranges from 5 -100 kVAr
- Conforms to IS / IEC 60947-4-1 & IEC 60947-4-1
- Delatching type early make contacts
- Low pick-up VA consumption
- Damping resistors provide protection from inrush current during switching
- Suitable for Lug and lugless termination
- High withstand capacity contacts

## E3MO Models

Frame	Model Number	Rating	Remark	Price
FR1	E3MO 5	5 kVAr	1NO	2098
	E3MO 8.5	8.5 kVAr	1NO	2415
	E3MO 10	10 kVAr	1NO	2510
	E3MO 12.5	12.5 kVAr	1NO	2719
	E3MO 15	15 kVAr	1NO	3664
	E3MO 20	20 kVAr	1NO	3868
	E3MO 25	25 kVAr	1NO	4050
FR2	E3MO 30	30 kVAr	1NO	6050
	E3MO 40	40 kVAr	1NO	10100
	E3MO 50	50 kVAr	1NO	10700
FR3	E3MO 60	60 kVAr	1NO	12200
	E3MO 75	75 kVAr	1NO	14400
	E3MO 85	85 kVAr	1NO	16300
	E3MO 100	100 kVAr	1NO	16800



# THERMAL MAGNETIC MCCBs

E3Y / E4Y  
Range 63A-125A

E3U / E4U  
Range 50A-125A & 125-320A

WLEQS

## Thermal Magnetic MCCB - 10kA

- Ranges from 63A-125A
- Available 3P/4P version
- Thermal magnetic release
- Conforms to IS/IEC 60947-2, IEC 60947-2 & EN 60947-2
- High Electrical & Mechanical life
- ON/OFF/Trip Indication contact - Optional
- High operating ambient temperature

## Thermal Magnetic MCCB - 18kA

- Ranges from 50A-125A
- Available 3P/4P version
- Thermal magnetic release
- Conforms to IS/IEC 60947-2, IEC 60947-2 & EN 60947-2
- Adjustable Overload Setting: 0.8 - 1.0 x In
- Wide range of accessories
- Cost effective model for Lighting application

## Thermal Magnetic MCCB - 36kA

- Ranges from 125-320A
- Available 3P/4P version
- Adjustable Overload Setting: 0.8 - 1.0 x In
- Conforms to IS/IEC 60947-2, IEC 60947-2 & EN 60947-2
- Adjustable overload settings: 0.8 - 1.0 x In
- Ics= 100% of Icu\*
- Cost effective model for Distribution application

## E3Y / E4Y Models

Frame	Model Number	Rating	Remark	Price
3 Pole	E3Y 63	63A	Spreader incl	<b>2180</b>
	E3Y 100	100A	Spreader incl	<b>2478</b>
	E3Y 125	125A	Spreader incl	<b>3166</b>
4 Pole	E4Y 63	63A	Spreader incl	<b>2781</b>
	E4Y 100	100A	Spreader incl	<b>3211</b>
	E4Y 125	125A	Spreader incl	<b>3931</b>

## E3U / E4U Models

Frame	Model Number	Rating	Remark	Price
3 Pole	E3U 100D	50-63A		<b>4050</b>
		63-80A		<b>4097</b>
		80-100A		<b>4109</b>
	E3U 125D	100-125A		<b>4950</b>
4 Pole	E4U 100D	50-63A		<b>5150</b>
		63-80A		<b>5150</b>
		80-100A		<b>5150</b>
	E4U 125D	100-125A		<b>6300</b>

## E3U / E4U Models

Frame	Model Number	Rating	Remark	Price
3 Pole	E3U250C 160	125-160A	25 kA	<b>7200</b>
	E3U250C 200	160-200A		<b>8500</b>
	E3U250C 250	200-250A		<b>9400</b>
	E3U250 160	125-160A	36 kA	<b>8250</b>
	E3U250 200	160-200A		<b>9800</b>
	E3U250 250	200-250A		<b>10900</b>
		E3U400N 320	250-320A	50 kA
4 Pole	E4U250C 160	125-160A	25 kA	<b>9300</b>
	E4U250C 200	160-200A		<b>10800</b>
	E4U250C 250	200-250A		<b>12400</b>
	E4U250 160	125-160A	36 kA	<b>10200</b>
	E4U250 200	160-200A		<b>13200</b>
	E4U250 250	200-250A		<b>14700</b>
		E4U400 320	250-320A	50 kA

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# E WAVE SERIES THERMAL MAGNETIC/ MICROPROCESSOR MCCBs

E3N / E4N / E3Z1 / E4Z1 Series

WLEQS

## Thermal Magnetic MCCB - 36kA

- Ranges from 125-630A
- Available 3P/4P version
- Adjustable short-circuit settings: 6 - 10 x In\*\*
- IS/IEC 60947-2, IEC 60947-2 & EN 60947-2
- Adjustable overload settings: 0.8 - 1.0 x In
- Ics= 100% of Icu\*
- Cost effective model for Distribution application
- Motorized version available on request

## E3N / E4N Models

Frame	Model Number	Rating	Remark	Price
3 Pole	E3N250D 125	100-125A	Breaking capacity: 36 kA	<b>9103</b>
	E3N250D 160	125-160A		<b>11400</b>
	E3N250D 200	160-200A		<b>12300</b>
	E3N250D 250	200-250A		<b>13800</b>
	E3N400D 320	250-320A		<b>17200</b>
	E3N400D 400	320-400A		<b>17200</b>
	E3N630D 500	400-500A		<b>24665</b>
4 Pole	E3N630D 630	500-630A		<b>24866</b>
	E4N250D 125	100-125A	Breaking capacity: 36 kA	<b>11287</b>
	E4N250D 160	125-160A		<b>13516</b>
	E4N250D 200	160-200A		<b>15700</b>
	E4N250D 250	200-250A		<b>16600</b>
	E4N400D 320	250-320A		<b>21379</b>
	E4N400D 400	320-400A		<b>21574</b>
E4N630D 500	400-500A	<b>29804</b>		
E4N630D 630	500-630A	<b>29914</b>		

## Microprocessor MCCB - 36kA

- Ranges from 40-1250A
- Available 3P/4P version
- 36kA, 50kA, 70kA and 100kA breaking capacities
- Adjustable overload setting from 0.4 to 1.0 x In
- Adjustable short-circuit setting from 1.5 to 8 x Ir
- Inbuilt ground fault protection from 20% to 50% of In
- Adjustable neutral overload protection from 50% to 150% of Ir
- Conforms to IS/IEC 60947-2
- Inbuilt instantaneous Protection

## E3N / E4N / E3Z1 / E4Z1

Frame	Model Number	Rating	Remark	Price
3 Pole	E3Z1 160D	40-160A	36 kA	<b>20600</b>
	E3N 250D	100-250A		<b>25175</b>
	E3N 400D	160-400A		<b>31322</b>
	E3N 630D	250-630A		<b>34180</b>
	E3N 1250N	400-1000A 500-1250A	50 kA	<b>72348</b> <b>85285</b>
4 Pole	E4Z1 160D	40-160A	36 kA	<b>25100</b>
	E4N 250D	100-250A		<b>30400</b>
	E4N 400D	160-400A		<b>38007</b>
	E4N 630D	250-630A		<b>41822</b>
	E4N 1250N	400-1000A 500-1250A	50 kA	<b>93284</b> <b>109996</b>



# ALPHA SERIES AIR CIRCUIT BREAKERS

E3AL/E4AL  
Range 800A–6300A

WLEQS

## 3/4 Pole Air Circuit Breakers

- Current Rating from 800A to 6300A in 3 Frame sizes for application voltages up to 690V AC
- Available in 3 Pole/4 Pole, Manually & Electrically operated, Fixed/Draw-out version
- High short time fault withstand capacity,  $I_{cu} = I_{cs} = I_{cw}$  for 1 sec for total selectivity
- Complete range conforms to IS/IEC 60947-2 & IEC 60947-2
- Ease of on-site conversion from Fixed to Draw-out version
- Data communication on Modbus, Profibus & wireless Zigbee protocols
- Temperature rise monitoring & protection
- I Protection Releases conform to EMI/EMC standard
- Power & Harmonics measurement
- Available in standard NRYB & RYBN/NBYR/BYRN configurations in 4 Pole ACBs with on-site change facility
- Modular & snap-fit accessories

## E3AL / E4AL MDO Models

Frame	Model Number	Rating	Remark	Price
3 Pole	E3AL-800	800A	Breaking Capacity: <b>50/65/80/ 100 kA</b>	On request
	E3AL-1000	1000A		
	E3AL-1250	1250A		
	E3AL-1600	1600A		
	E3AL-2000	2000A		
	E3AL-2500	2500A		
4 Pole	E4AL-800	800A		
	E4AL-1000	1000A		
	E4AL-1250	1250A		
	E4AL-1600	1600A		
	E4AL-2000	2000A		
	E4AL-2500	2500A		
	E4AL-3200	3200A		

## E3AL / E4AL EDO Models

Frame	Model Number	Rating	Remark	Price
3 Pole	E3AL-800	800A	Breaking Capacity: <b>50/65/80/ 100 kA</b>	On request
	E3AL-1000	1000A		
	E3AL-1250	1250A		
	E3AL-1600	1600A		
	E3AL-2000	2000A		
	E3AL-2500	2500A		
4 Pole	E4AL-800	800A		
	E4AL-1000	1000A		
	E4AL-1250	1250A		
	E4AL-1600	1600A		
	E4AL-2000	2000A		
	E4AL-2500	2500A		
	E4AL-3200	3200A		



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