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Wholesale  
Specialist

# Low Voltage Distribution Products

With effect from June 03, 2013



**Schneider**  
 Electric

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Introducing...

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## Prisma iPM

### Pre-Designed Low Voltage Distribution System



Unique kit solution, optimally designed with **Your Safety** in mind !!

- Tested and compliant with IEC 61439-1 & 2.
- Fully integrates Schneider Electric switchgear.



## Give your business a new dimension with

# Prisma iPM:



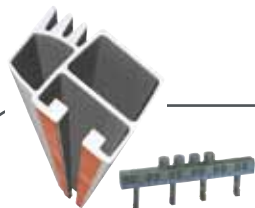
### Standardized & tested switchboard

- Solution designed as per IEC 61439-1 and 2
- Maximum short circuit withstand 85kA/1sec
- Device layout completely in line with thermal and electrodynamic performance



### Pre fabricated, Modular, Kit design

- Two versions: Wall mounted and Floor standing for applications upto 4000A
- Quick assembly time
- Attractive design



### Unique current distribution solution

- Patented linergy busbars: A new generation of channeled busbars
- Distribution blocks that blend perfectly with the devices



**Improved  
continuity  
of service**



**Safety and  
durability**



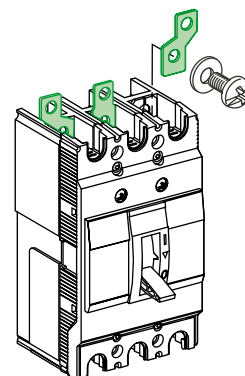
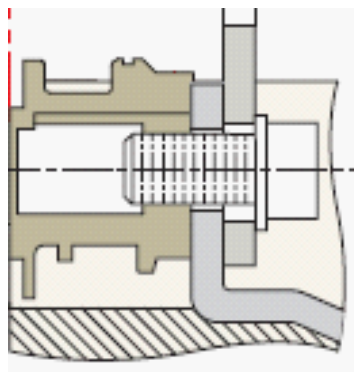
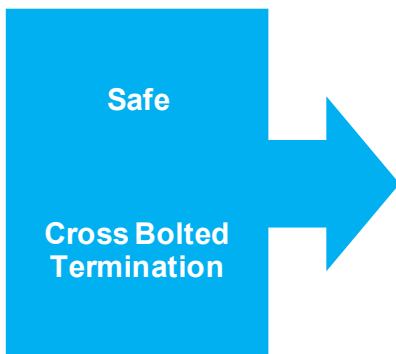
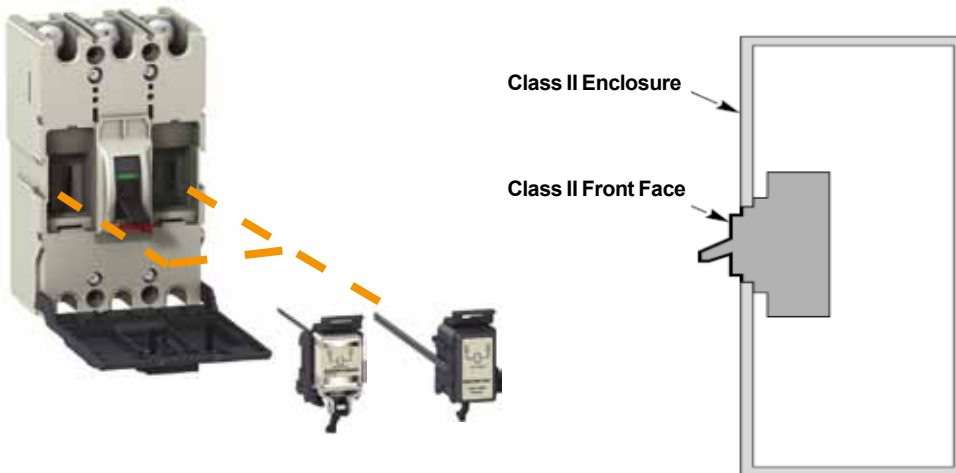
**High long-term  
profitability**

## Safe, Reliable and Easy

- Schneider Electric Global MCCBs offer
- Cross Bolted termination starts from 15A make installation more safe
- Isolation feature ensure operator safety
- Class II Front face as per IEC 61140
- Compliance to RoHS (Restriction of Hazardous Substances)



- **Safety of operator and electrical installation is utmost priority**
- **Safe insulated accessories installation**
  - Auxiliary switch
  - Alarm switch
  - Combined auxiliary & alarm switch
  - Shunt trip coil



### With Thermal Magnetic Trip Unit (TMD)



- Conforms to IEC60947-2
- Suitable for isolation
- Suitable for EasyPact Busbar system

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
10 kA	15A	EZC100F3015 <input checked="" type="checkbox"/>	2650	-	-
	20A	EZC100F3020 <input checked="" type="checkbox"/>		-	
	25A	EZC100F3025 <input checked="" type="checkbox"/>		-	
	32A	EZC100F3032 <input checked="" type="checkbox"/>		-	
	40A	EZC100F3040 <input checked="" type="checkbox"/>		-	
	50A	EZC100F3050 <input checked="" type="checkbox"/>		-	
	63A	EZC100F3063 <input checked="" type="checkbox"/>		-	
	80A	EZC100F3080 <input checked="" type="checkbox"/>		-	
	100A	EZC100F3100 <input checked="" type="checkbox"/>	2730	-	-
30 kA	15A	EZC100H3015 <input checked="" type="checkbox"/>	4000	EZC100H4015	5900
	20A	EZC100H3020 <input checked="" type="checkbox"/>		EZC100H4020	
	25A	EZC100H3025 <input checked="" type="checkbox"/>		EZC100H4025	
	32A	EZC100H3032 <input checked="" type="checkbox"/>		EZC100H4032	
	40A	EZC100H3040 <input checked="" type="checkbox"/>		EZC100H4040	
	50A	EZC100H3050 <input checked="" type="checkbox"/>		EZC100H4050	
	63A	EZC100H3063 <input checked="" type="checkbox"/>		EZC100H4063 <input checked="" type="checkbox"/>	
	80A	EZC100H3080 <input checked="" type="checkbox"/>		EZC100H4080 <input checked="" type="checkbox"/>	
	100A	EZC100H3100 <input checked="" type="checkbox"/>	EZC100H4100 <input checked="" type="checkbox"/>		
36kA	125A	EZC250H3125	6650	EZC250H4125	8980
	160A	EZC250H3160	8500	EZC250H4160	11480
	200A	EZC250H3200	10550	EZC250H4200	14240
	250A	EZC250H3250	12500	EZC250H4250	16880

Description	EZC100 Reference	Unit MRP [₹]	EZC250 Reference	Unit MRP [₹]
<b>Auxiliary Contacts (Changeover) Multifunction</b>				
Auxiliary Switch 1 C/O	EZAUX10 <input checked="" type="checkbox"/>	700	EZEAX <input checked="" type="checkbox"/>	850
Alarm Switch 1 C/O	EZAUX01 <input checked="" type="checkbox"/>		EZEAL <input checked="" type="checkbox"/>	
Alarm - Auxiliary Switch	EZAUX11 <input checked="" type="checkbox"/>	1010	EZEAXAL	1200
<b>Spreaders</b>				
Spreaders *(Set Of 3) 3P	EZASPDR3P <input checked="" type="checkbox"/>	290	EZESPDR3P <input checked="" type="checkbox"/>	430
Spreaders *(Set Of 4) 4P	EZASPDR4P <input checked="" type="checkbox"/>	380	EZESPDR4P	550
<b>Phase Barriers</b>				
	EZAFASB2	170	EZEFASB2	250
<b>Rotary Handle</b>				
Direct Rotary handle	EZAROTDS <input checked="" type="checkbox"/>	950	EZEROTDS	1200
Extended Rotary handle	EZAROTE	1500	EZEROTE	1500
<b>Shunt Release</b>				
<b>AC</b>				
100-130 V	EZASHT100AC <input checked="" type="checkbox"/>	1500	EZESHT100AC	1500
200-277 V	EZASHT200AC <input checked="" type="checkbox"/>		EZESHT200AC <input checked="" type="checkbox"/>	
380-480 V	EZASHT380AC <input checked="" type="checkbox"/>		EZESHT400AC	
<b>DC</b>				
24 V	EZASHT024DC <input checked="" type="checkbox"/>	1500	EZESHT024DC	1500
48 V	EZASHT048DC <input checked="" type="checkbox"/>		EZESHT048DC	

### EasyPact Range Busbar Systems



- Available for 250A, 400A & 630A main incoming current
- Available for 4,6,8 & 12 ways (3-pole) EasyPact 100A (max) outgoing MCCBs
- EZ Busbar rated 400A and 630A can accept the 2 ways or 4 ways branch extension for upto four additional 250A max outgoing circuits

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	EZ busbar 250A 4ways	EZB250W04	7500
	EZ busbar 250A 6ways	EZB250W06	9500
	EZ busbar 250A 8ways	EZB250W08	11500
	EZ busbar 250A 10ways	EZB250W10	13500
	EZ busbar 250A 12ways	EZB250W12	15500
400 A	EZ busbar 400A 4ways	EZB400W04	9500
	EZ busbar 400A 6ways	EZB400W06	11500
	EZ busbar 400A 8ways	EZB400W08	13500
	EZ busbar 400A 10ways	EZB400W10	15500
	EZ busbar 400A 12ways	EZB400W12	17500
630 A	EZ busbar 630A 4ways	EZB630W04	11500
	EZ busbar 630A 6ways	EZB630W06	13500
	EZ busbar 630A 8ways	EZB630W08	15500
	EZ busbar 630A 10ways	EZB630W10	17500
	EZ busbar 630A 12ways	EZB630W12	19500

### Branch Extension for Compact NSX/EasyPact CVS

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	2 Way Branch Extension	EZBNS2	8500
	4 Way Branch Extension	EZBNS4	9500

# EasyPact CVS

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## Easy Choice for Quality and Value



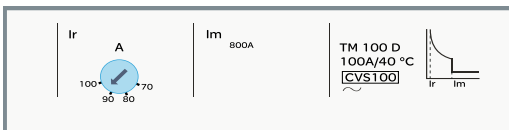
- 16A - 800A, 3P & 4P
- Only three frame sizes
- Ics= 100% Icu for the entire range
- Isolation with Positive Break Indication
- Class II Front Face
- Unique Double Break Contacts

### Breaking Capacity @380/415V

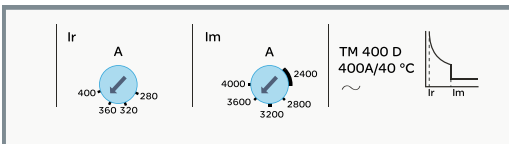
	CVS100	CVS160	CVS250	CVS400	CVS630	CVS800
N 50kA	[Green bar]					
F 36kA	[Red bar]					
B 25kA	[Yellow bar]					

### Type of Trip Units

#### Thermal Magnetic Trip Unit

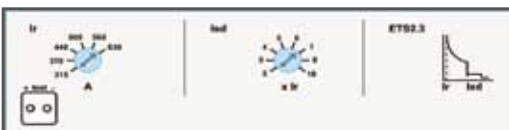


- Available from 16A to 250A
- Overload setting (Ir): 0.7-1xIn
- Protection settings in absolute current value
- Sealable transparent cover on trip unit



- Available from 320A to 630A
- Overload setting (Ir): 0.7-1xIn
- Short circuit protection settings (Im): 5-10xIn (for 400A)  
4-8xIn (for 630A)
- Protection Settings in Absolute Current Value

#### Microprocessor Trip Unit



- Available from 320A to 630A
- Overload setting (Ir): 0.5-1xIn
- Short circuit protection settings (Im): 2-10xIr
- Adjustable Neutral Protection for 4P MCCB
- Inbuilt thermal memory



### With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Transparent Cover for trip unit as Standard
- Class II front face
- Single frame size 16-250A

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>EasyPact CVS 100 to 630A</b>					
25 kA	16A	LV510300 <input checked="" type="checkbox"/>	5840	LV510310 <input checked="" type="checkbox"/>	8530
	25A	LV510301 <input checked="" type="checkbox"/>		LV510311 <input checked="" type="checkbox"/>	
	32A	LV510302 <input checked="" type="checkbox"/>		LV510312 <input checked="" type="checkbox"/>	
	40A	LV510303 <input checked="" type="checkbox"/>		LV510313 <input checked="" type="checkbox"/>	
	50A	LV510304 <input checked="" type="checkbox"/>		LV510314 <input checked="" type="checkbox"/>	
	63A	LV510305 <input checked="" type="checkbox"/>		LV510315 <input checked="" type="checkbox"/>	
	80A	LV510306 <input checked="" type="checkbox"/>	LV510316 <input checked="" type="checkbox"/>		
	100A	LV510307 <input checked="" type="checkbox"/>	LV510317 <input checked="" type="checkbox"/>		
	125A	LV516302 <input checked="" type="checkbox"/>	9170	LV516312 <input checked="" type="checkbox"/>	10440
	160A	LV516303 <input checked="" type="checkbox"/>	12460	LV516313 <input checked="" type="checkbox"/>	14370
	200A	LV525302 <input checked="" type="checkbox"/>	16530	LV525312 <input checked="" type="checkbox"/>	20310
	250A	LV525303 <input checked="" type="checkbox"/>	19560	LV525313 <input checked="" type="checkbox"/>	23330
36 kA	16A	LV510330 <input checked="" type="checkbox"/>	8620	LV510340 <input checked="" type="checkbox"/>	11230
	25A	LV510331 <input checked="" type="checkbox"/>		LV510341 <input checked="" type="checkbox"/>	
	32A	LV510332 <input checked="" type="checkbox"/>		LV510342 <input checked="" type="checkbox"/>	
	40A	LV510333 <input checked="" type="checkbox"/>		LV510343 <input checked="" type="checkbox"/>	
	50A	LV510334 <input checked="" type="checkbox"/>		LV510344 <input checked="" type="checkbox"/>	
	63A	LV510335 <input checked="" type="checkbox"/>		LV510345 <input checked="" type="checkbox"/>	
	80A	LV510336 <input checked="" type="checkbox"/>	LV510346 <input checked="" type="checkbox"/>		
	100A	LV510337 <input checked="" type="checkbox"/>	LV510347 <input checked="" type="checkbox"/>		
	125A	LV516332 <input checked="" type="checkbox"/>	9600	LV516342 <input checked="" type="checkbox"/>	11910
	160A	LV516333 <input checked="" type="checkbox"/>	13080	LV516343 <input checked="" type="checkbox"/>	15040
	200A	LV525332 <input checked="" type="checkbox"/>	19010	LV525342 <input checked="" type="checkbox"/>	22220
	250A	LV525333 <input checked="" type="checkbox"/>	20790	LV525343 <input checked="" type="checkbox"/>	24780
50 kA	320A	LV540305 <input checked="" type="checkbox"/>	25310	LV540308 <input checked="" type="checkbox"/>	31500
	400A	LV540306 <input checked="" type="checkbox"/>		LV540309 <input checked="" type="checkbox"/>	
	500A	LV563305 <input checked="" type="checkbox"/>	29610	LV563308 <input checked="" type="checkbox"/>	36910
	630A	LV563306 <input checked="" type="checkbox"/>		LV563309 <input checked="" type="checkbox"/>	
	16A	LV510470	10400	LV510480	13130
	25A	LV510471		LV510481	
	32A	LV510472		LV510482	
	40A	LV510473		LV510483	
	50A	LV510474		LV510484	
	63A	LV510475		LV510485	
	80A	LV510476	LV510486		
	100A	LV510477	LV510487		
125A	LV516462	15860	LV516467	17850	
160A	LV516463	16590	LV516468	18590	
200A	LV525452	21110	LV525457	26460	
250A	LV525453	22160	LV525458	27510	
320A	LV540315 <input checked="" type="checkbox"/>	27140	LV540318 <input checked="" type="checkbox"/>	33920	
400A	LV540316 <input checked="" type="checkbox"/>		LV540319 <input checked="" type="checkbox"/>		
500A	LV563315 <input checked="" type="checkbox"/>	32080	LV563318 <input checked="" type="checkbox"/>	40480	
630A	LV563316 <input checked="" type="checkbox"/>		LV563319 <input checked="" type="checkbox"/>		

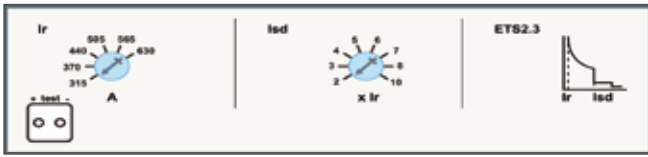
### EasyPact CVS 800A



- Ics = 100% Icu as per IEC 60947-2
- Adjustable overload from 0.8 - 1 x In
- Adjustable short circuit for each phase from 3.5 - 10 x Ir

35 kA	800A	LV580300 <input checked="" type="checkbox"/>	44660	LV580301 <input checked="" type="checkbox"/>	48230
50 kA	800A	LV580302 <input checked="" type="checkbox"/>	46820	LV580303 <input checked="" type="checkbox"/>	54220

### With Microprocessor Based Trip Unit



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Overload from 0.5 to 1\*In
- Adjustable Short Circuit from 2 to 10\*Ir
- Adjustable Neutral Protection - N, N/2, OFF for 4 Pole MCCB
- Inbuilt Thermal Memory

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>EasyPact CVS 400 to 630A</b>					
36 kA	400A	LV540505 <input checked="" type="checkbox"/>	29590	LV540506 <input checked="" type="checkbox"/>	34830
	630A	LV563505 <input checked="" type="checkbox"/>	32860	LV563506 <input checked="" type="checkbox"/>	42260
50 kA	400A	LV540510 <input checked="" type="checkbox"/>	30920	LV540511 <input checked="" type="checkbox"/>	38810
	630A	LV563510 <input checked="" type="checkbox"/>	34200	LV563511 <input checked="" type="checkbox"/>	44540

# EasyPact CVS MA

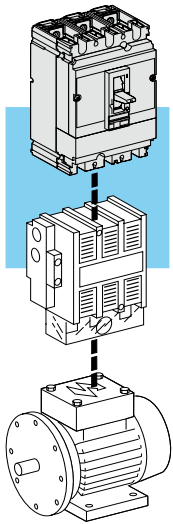
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 Website: www.shopelect.com

## Moulded Case Circuit Breakers for Motor Protection

Current Rating	2.5	6.3	12.5	25	50	100	150	220	320	500	
Frame 1	CVS 100	■									
	CVS 160	■					■				
	CVS 200	■					■	■			
Frame 2	CVS 400	■						■	■		
	CVS 630	■								■	

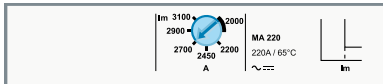
### Short Circuit protection (Magnetic Setting)

CVS 100	6..14In									
CVS 160/250						9..14In				
CVS 400								6..13In		
CVS 630										6..13In



- EasyPact CVS MA 2.5 - 500A 50kA
- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable Magnetic Im = 6 - 14xIn (2.5 to 100A); 9 - 14xIn (150 to 200A) & 6 - 13xIn (320 to 500A)
- Type - 2 Co-ordination Charts

Frame 1	2.5 to 220A
Frame 2	320 to 500A



### With Magnetic Trip Unit MA type

Breaking Capacity Ics as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
50kA	2.5A	LV510450	7630
	6.3A	LV510451	7630
	12.5A	LV510452	7630
	25A	LV510453	9790
	50A	LV510454	9790
	100A	LV510455	9790
	150A	LV516451	13410
	220A	LV525442	16710
	320A	LV540552	28650
	500A	LV563552	33420

# Type 2 Co-ordination Table (DOL Starter)

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

- Standard : IEC 60947-4-1
- Short Circuit Protection Device type: MCCB
- Performance «Iq» (kA) : 50kA
- Operational Voltage (Ue) : 415VAC / 50Hz

Motor rating kW	FLC I(A) 415V	Ie max	Circuit Breaker Type	Rated current (A)	Setting	Irm (A)	Contacteur Type	Thermal Relay Type	Thermal range I <sub>rt</sub>	Iq kA	Ir kA
0.37	1.1	1.6	CVS100-MA	2.5	6..13	22.5	LC1E09	LRE06 <sup>(3)</sup>	1..1.6	50	1
0.55	1.5	1.6	CVS100-MA	2.5	6..14	32.5	LC1E09	LRE06 <sup>(3)</sup>	1..1.6	50	1
0.75	1.8	2.5	CVS100-MA	2.5	6..14	32.5	LC1E09	LRE07 <sup>(3)</sup>	1.6..2.5	50	1
1.1	2.6	4	CVS100-MA	6.3	6..14	57	LC1E32	LRE08 <sup>(3)</sup>	2.5..4	50	1
1.5	3.4	4	CVS100-MA	6.3	6..14	57	LC1E32	LRE08 <sup>(3)</sup>	2.5..4	50	1
2.2	4.8	6	CVS100-MA	6.3	6..14	82	LC1E32	LRE10 <sup>(3)</sup>	4..6	50	1
3	6.5	8	CVS100-MA	12.5	6..14	113	LC1E80	LRE12 <sup>(1)(3)</sup>	5.5..8	50	1
4	8.2	10	CVS100-MA	12.5	6..14	138	LC1E80	LRE14 <sup>(1)(3)</sup>	7..10	50	1
5.5	11	12.5	CVS100-MA	12.5	6..14	163	LC1E80	LRE16 <sup>(1)(3)</sup>	9..13	50	1
7.5	14	18	CVS100-MA	25	6..14	250	LC1E80	LRE21 <sup>(1)(3)</sup>	12..18	50	3
10	19	25	CVS100-MA	25	6..14	325	LC1E80	LRE322 <sup>(2)(3)</sup>	17..25	50	3
11	21	25	CVS100-MA	25	6..14	325	LC1E80	LRE322 <sup>(2)(3)</sup>	17..25	50	3
15	28	32	CVS100-MA	50	6..14	450	LC1E80	LRE353 <sup>(2)(3)</sup>	23..32	50	3
18.5	34	40	CVS100-MA	50	6..14	550	LC1E80	LRE355 <sup>(2)(3)</sup>	30..40	50	3
22	40	50	CVS100-MA	50	6..14	650	LC1E80	LRE357 <sup>(2)</sup>	37..50	50	3
30	55	63	CVS100-MA	100	6..14	900	LC1E120	LRE480	51..81	50	3
37	66	100	CVS100-MA	100	6..14	1100	LC1E120	LRE481	62..99	50	5
45	80	100	CVS100-MA	100	6..14	1300	LC1E120	LRE481	62..99	50	5
55	100	135	CVS160-MA	150	9..14	1500	LC1E160	LRE482	84..135	50	5
75	135	150	CVS160-MA	150	9..14	1950	LC1E160	LRE483	124..198	50	10
90	160	185	CVS250-MA	220	9..14	2420	LC1E250	LRE484	146..234	50	10
110	200	220	CVS250-MA	220	9..14	2860	LC1E250	LRE484	146..234	50	10
132	230	265	CVS400-MA	320	6..13	3500	LC1E300	LRE485	174..279	50	10
160	270	315	CVS400-MA	320	6..13	4160	LC1E300	LRE486	208..333	50	10
200	361	400	CVS630-MA	500	6..13	5700	LC1F500	LR9-F73 79	300..500	50	18
220	380	500	CVS630-MA	500	6..13	6500	LC1F500	LR9-F73 79	300..500	50	18
250	430	500	CVS630-MA	500	6..13	6500	LC1F500	LR9-F73 79	300..500	50	18

- (1) Separate mounting with LAEB1 terminal block  
 (2) Separate mounting with LAEB3 terminal block  
 (3) Type 1 for O/L relay



Indication contacts



Voltage Release



Padlocking accessory



Direct Rotary Handle



Extended Rotary Handle

### Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [₹]
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	850
OF or SD or SDE or SDV low level	29452	900
SDE adapter for trip unit TM or MA or ETS 2.3 \$\$	LV429451 <input checked="" type="checkbox"/>	650

\$\$: To be considered alongwith SDE contact for MCCB with TMD/ETS 2.3/MA Trip Unit

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>AC</b>				
24 V 50/60 Hz	LV429384 <input checked="" type="checkbox"/>	2050	LV429404	2650
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 <input checked="" type="checkbox"/>		LV429406 <input checked="" type="checkbox"/>	
220-240 V 50/60 Hz	LV429387 <input checked="" type="checkbox"/>		LV429407 <input checked="" type="checkbox"/>	
380-415 V 50 Hz	LV429388 <input checked="" type="checkbox"/>		LV429408 <input checked="" type="checkbox"/>	
525 V 50 Hz	LV429389		LV429409	
<b>DC</b>				
12 V	LV429382	2050	LV429402	2650
24 V	LV429390 <input checked="" type="checkbox"/>		LV429410 <input checked="" type="checkbox"/>	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393 <input checked="" type="checkbox"/>		LV429413	
250 V	LV429394 <input checked="" type="checkbox"/>		LV429414 <input checked="" type="checkbox"/>	

### Rotary Handles

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Direct rotary handle</b>				
Standard black handle	LV429337 <input checked="" type="checkbox"/>	1050	LV432597 <input checked="" type="checkbox"/>	1600
<b>Extended rotary handle</b>				
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1700	LV432598 <input checked="" type="checkbox"/>	3050

### Installation Accessories

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Spreaders &amp; Phase Barriers</b>				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	500	32492 <input checked="" type="checkbox"/>	1300
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	650	32493 <input checked="" type="checkbox"/>	1650
Phase Barriers (Set of 6)	*		LV432570 <input checked="" type="checkbox"/>	700
<b>Interlocking</b>				
For Breaker with Rotary Handle	LV429369	8150	LV432621	9950
For Breaker with Toggle	LV429354	8150	LV432614	9950
Mechanical Interlocking with Base Plate	29349**	16000	32609**	22000
<b>Locking of Rotary Handle</b>				
Locking Device	LV429344 <input checked="" type="checkbox"/>	500	LV432604 <input checked="" type="checkbox"/>	700
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	2450	41940 <input checked="" type="checkbox"/>	2450
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	4900	41950 <input checked="" type="checkbox"/>	4900
Profalux Keylock (1 Lock + 1 Key set)	42888 <input checked="" type="checkbox"/>	2450	42888 <input checked="" type="checkbox"/>	2450
Profalux Keylock (2 Locks + 1 Key set)	42878	4900	42878	4900

\* supplied as standard with spreaders

\*\* Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)

NORMAL STOCK ITEMS

W.E.F. June 03, 2013

### Auxiliary/Alarms contacts

Description	Reference	Unit MRP [₹]
Auxiliary Switch 1 C/O	LV580075 <input checked="" type="checkbox"/>	1100
Auxiliary Switch 2 C/O	LV580076 <input checked="" type="checkbox"/>	1100
Alarm Switch 1 C/O	LV580077 <input checked="" type="checkbox"/>	1000
Alarm Switch 2 C/O	LV580078	1250
Alarm Auxiliary Contact	LV580079 <input checked="" type="checkbox"/>	1550

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>AC</b>				
110-130 V 50/60 Hz	LV580060	2100	LV580070	2650
220-240 V 50/60 Hz	LV580061 <input checked="" type="checkbox"/>		LV580071 <input checked="" type="checkbox"/>	
380-415 V 50 Hz	LV580062 <input checked="" type="checkbox"/>		LV580072 <input checked="" type="checkbox"/>	
440 V	LV580063		-	-
<b>DC</b>				
24 V	LV580064	2100	-	-
48 V	LV580065		-	-
110 V	LV580066		-	-
220 V	LV580067		-	-

### Rotary Handles

Description	800A Reference	Unit MRP [₹]
<b>Direct rotary handle</b>		
Standard black handle	LV580080 <input checked="" type="checkbox"/>	1200
<b>Extended rotary handle</b>		
Standard extended rotary handle	LV580081 <input checked="" type="checkbox"/>	1850

# Unique Modular Ground Fault Protection

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

## Earth Fault Protection for EasyPact CVS/ Compact NSX MCCBs

### Modular Device for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers

- Adjustable earth fault sensitivity selection 10 to 60%
- Adjustable time delay Inst/ 0.5 - 3 sec.
- System healthiness check through LED indication
- Individual fault indication for OL, SC, EF when used with Compact NSX (Optional)
- Individual fault indication for OL/SC, EF when used with EasyPact CVS (Optional)
- Test facility to check healthiness of earth fault protection system without tripping MCCB
- Suitable for 3P3W & 3P4W electrical distribution network



Protection of electrical distribution network against fire



MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P <input checked="" type="checkbox"/>	4750	GFP11CT14P <input checked="" type="checkbox"/>	5200
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P <input checked="" type="checkbox"/>	5400	GFP12CT24P <input checked="" type="checkbox"/>	6100
CVS/NSX 400 / 630	400, 630	GFP13CT33P <input checked="" type="checkbox"/>	8150	GFP13CT34P <input checked="" type="checkbox"/>	8900
CVS 800	800	GFP14CT43P <input checked="" type="checkbox"/>	10050	GFP14CT44P <input checked="" type="checkbox"/>	11250

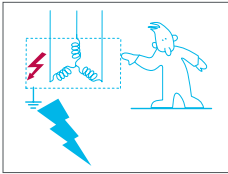
**Note:** Kindly order one no. Shunt trip coil along with one Ground Fault Protection Module for CVS100 to 630. Order one auxiliary contact alongwith shunt coil for CVS800.

# Earth Leakage Protection

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

Earth Leakage Protection is obtained by: Fitting a VIGI Module on the Circuit Breakers

## VIGI Module Earth Leakage Device for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers



Protection of people



VIGI Module



CVS + VIGI



NSX + VIGI

- Compliance with Standards - IEC60947-2 appendix B, IEC 60255-4 and IEC60801-2 to 5 covering protection against nuisance tripping due to:
  - Transient overvoltages, lightning strikes
  - Switching of devices on the distribution system
  - Electrostatic discharges and radio frequency disturbances
- Device can be equipped with multifunction aux contact of MCCB to remotely signal tripping due to earth fault
- Self powered - "no aux supply required"
- Instantaneous tripping at 30mA in less the 40ms for human protection
- Direct acting device - no shunt/UV release required in MCCB**

MCCB Frame	Type	Three Pole Reference <sup>(1)</sup>	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
CVS/NSX - 100/160	ME	LV429212	10400	LV429213	11200
CVS/NSX - 100/160	MH	LV429210 <input checked="" type="checkbox"/>	15000	LV429211	15500
CVS/NSX - 250	MH	LV431535 <input checked="" type="checkbox"/>	17500	LV431536	17900
CVS/NSX - 400/630	MB	LV432455	43400	LV432456	45200

ME Type	MH Type	MB Type
<ul style="list-style-type: none"> <li>Sensitivity - 300mA (fixed)</li> <li>Instantaneous time delay</li> <li>Fixed &lt; 40ms</li> </ul>	<ul style="list-style-type: none"> <li>Sensitivity - adjustable</li> <li>30mA - 300mA-1A-3A-10A</li> <li>Instantaneous time delay(ms)</li> <li>0 - 60 <sup>(2)</sup> - 150 <sup>(2)</sup> - 310 <sup>(2)</sup></li> </ul>	<ul style="list-style-type: none"> <li>Sensitivity - adjustable</li> <li>300mA-1A-3A-10A -30A</li> <li>Instantaneous time delay (ms)</li> <li>0 - 60 - 150 - 310</li> </ul>

(1) Vigi 3P modules may also be used on 3P circuit breaker used for single phase or two phase protection

(2) If the sensitivity is set to 30mA, there is no time delay, whatever the time delay setting

## Insulation monitoring module for EasyPact CVS/ Compact NSX Range Moulded Case Circuit Breakers



- Settings: 100 - 200 - 500 - 1000mA
- Indication by Red LED without tripping the circuit breaker
- Option for installing auxiliary contact for remote indication/tripping

Description	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>CVS/NSX 100- 250A</b>				
220 to 440V AC	LV429459	12950	LV429460	13950
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV429214	5340
<b>CVS/NSX 400- 630A</b>				
220 to 440V AC	LV432659	20550	LV432660	22900
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV432457	15090



# Compact NSX

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com



- 16A - 630A, 3P, 4P & 2P (3P Frame)
- Only two frame sizes
- Voltage Rating upto 690V
- Isolation with Positive Break Indication

## Breaking Capacity

Ics=100% Icu

@380/415V

NSX100      NSX160      NSX250      NSX400      NSX630

R 200kA



L 150kA



S 100kA



H 70kA



N 50kA



F 36kA



B 25kA



## Type of Trip Units

### Thermal Magnetic Trip Unit



Available from 16A - 250A

Overload Setting (I<sub>r</sub>) 0.7 - 1 x I<sub>n</sub>

Short Circuit Setting (I<sub>m</sub>)

Fixed upto 160A

Adjustable 5 - 10 x I<sub>r</sub> (for 200A - 250A)

# Demanding more from your low voltage systems??

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

Introducing exceptional breaking capacity for exceptional safety and service continuity.....

High Performance Moulded Case Circuit Breakers @ 690V AC

Icu = 100kA @ 690V AC **NEW**



## Choose protection that delivers...

- Best-in-class breaking capacity for:



Marine



Oil & Gas



Mining: Minerals & Metals

- Best-in-class type 2 co-ordination for motor applications @ 690V AC
- Global Certification
  - IEC 6094-2 / 4
  - Marine Classification approvals apply (Veritas, Lloyd`s Register of Shipping, Det Norske Veritas, etc)
  - Marine-ready, meets new IACS requirements (Ics rating)

Breaking performance at 690 V  
 NSX 100 NSX 250 NSX 400 NSX 630



Breaking performance at 415 V  
 NSX 100 NSX 160 NSX 250 NSX 400 NSX 630



Note: For product references & prices contact nearest Sales Office

# Introducing...

Phone: +91 9222 666 999  
Email: shop@shopelect.com  
Website: www.shopelect.com

## Compact NSX PV for Photovoltaic applications



- Circuit Breakers and Switch Disconnectors
- A complete DC offer for Solar Applications from 80 to 500A.



**Ensuring safe and efficient operation of your Photovoltaic installation.**



With heat sink supplied as standard, MCCB rating is optimized, avoiding the need to oversize protection components and saving space in the enclosure.



Connection and insulation accessories supplied as standard with Compact NSX PV MCCB are:

- Connection plate with heat sink
- Upstream and downstream terminal shields

**Note:** For additional details please contact nearest Sales Office.

# Micrologic Trip Units (ASIC based)

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

## (ASIC-Application Specific Integrated Circuit)

### Two different Microprocessors for Protection & Metering



### Identification of Micrologic Trip Unit

	Protection	Cases	Measurement	Application
	↓	↓	↓	↓
	1 I 2 LS <sub>0</sub> I 5 LSI 6 LSIG	2 NSX100-250 3 NSX400-630	A Ammeter E Energy Meter	--- Distribution G Generator AB Subscriber M Motor Z 16Hz 2/3
<b>Example</b>				
Micrologic 1.3 M	I	400 or 630 A		Motor
Micrologic 2.2 G	LS <sub>0</sub> I	100, 160 or 250 A		Generator
Micrologic 2.3	LS <sub>0</sub> I	400 or 630 A		Distribution
Micrologic 2.3 M	LS <sub>0</sub> I	400 or 630 A		Motor
Micrologic 5.2 A	LSI	100, 160 or 250 A	Ammerter	Distribution
Micrologic 5.3 E	LSI	400 or 630 A	Energy	Distribution
Micrologic 6.3 E-M	LSIG	400 or 630 A	Energy	Motor

- I** - Instantaneous
- S<sub>0</sub>** - Short Time with Fixed Time Delay
- S** - Short Time with Adjustable Time Delay
- G** - Ground Fault

# ULP Modules (Universal Logic Plug)

Phone: +91 9222 666 999  
Email: shop@shopelect.com  
Website: www.shopelect.com

## FDM121 - Front Display Module



The front display module FDM121 is a panel mounted unit dedicated to display measurements (Current, Voltage, Power, Energy, Power Factor, THD etc.), operating assistance data (Contact wear indication, Load Profile, ON/OFF/Trip counter) and Last 17 fault trip/Alarm history with date and time stamping data received from MCCB.

## IFM - Interface Module



Interface module allows intelligent modular units (IMUs) in the ULP system to communicate using the Modbus protocol. These are DIN rail mounted modules.



NSX cord



ULP cables

The Compact NSX circuit breaker connects to the ULP system by means of the NSX Cord. The Compact NSX circuit breaker must be equipped with a BSCM and/or a Micrologic 5/6 Trip Unit.

ULP cables are used to interconnect ULP modules within a single IMU. They have male RJ45 connectors at both ends and are available in several lengths.



ULP modules are interconnected by simple plug and play connection using ULP cables, without prior set-up.

### With Thermal Magnetic Trip Unit (TMD)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable thermal setting 0.7 - 1 x In
- Adjustable magnetic setting 5 – 10 x Ir \*\*
- Transparent cover for trip unit as standard
- Two frame sizes upto 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Exceptional current limiting < 6 x 10<sup>5</sup> A<sup>2</sup>S

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]		
25kA	16A	LV429557	7600	LV429567	11150		
	25A	LV429556 <input checked="" type="checkbox"/>		LV429566			
	32A	LV429555 <input checked="" type="checkbox"/>		LV429565			
	40A	LV429554 <input checked="" type="checkbox"/>		LV429564			
	50A	LV429553		LV429563			
	63A	LV429552 <input checked="" type="checkbox"/>		LV429562 <input checked="" type="checkbox"/>			
	80A	LV429551 <input checked="" type="checkbox"/>		LV429561			
	100A	LV429550 <input checked="" type="checkbox"/>		LV429560 <input checked="" type="checkbox"/>			
	125A	LV430311 <input checked="" type="checkbox"/>		14300		LV430321 <input checked="" type="checkbox"/>	16950
	160A	LV430310 <input checked="" type="checkbox"/>				LV430320 <input checked="" type="checkbox"/>	
36kA	200A	LV431111	21900	LV431121 <input checked="" type="checkbox"/>	26300		
	250A	LV431110 <input checked="" type="checkbox"/>		LV431120 <input checked="" type="checkbox"/>			
	16A	LV429637 <input checked="" type="checkbox"/>	9600	LV429647	12750		
	25A	LV429636 <input checked="" type="checkbox"/>		LV429646			
	32A	LV429635 <input checked="" type="checkbox"/>		LV429645 <input checked="" type="checkbox"/>			
	40A	LV429634 <input checked="" type="checkbox"/>		LV429644 <input checked="" type="checkbox"/>			
	50A	LV429633		LV429643			
	63A	LV429632 <input checked="" type="checkbox"/>		LV429642 <input checked="" type="checkbox"/>			
	80A	LV429631 <input checked="" type="checkbox"/>		LV429641 <input checked="" type="checkbox"/>			
	100A	LV429630 <input checked="" type="checkbox"/>		LV429640 <input checked="" type="checkbox"/>			
125A	LV430631 <input checked="" type="checkbox"/>	14700		LV430641 <input checked="" type="checkbox"/>		18450	
160A	LV430630 <input checked="" type="checkbox"/>			LV430640 <input checked="" type="checkbox"/>			
50kA	200A	LV431631 <input checked="" type="checkbox"/>	23200	LV431641 <input checked="" type="checkbox"/>	28800		
	250A	LV431630 <input checked="" type="checkbox"/>		LV431640 <input checked="" type="checkbox"/>			
	16A	LV429847	11050	LV429857	13950		
	25A	LV429846		LV429856			
	32A	LV429845 <input checked="" type="checkbox"/>		LV429855			
	40A	LV429844 <input checked="" type="checkbox"/>		LV429854			
	50A	LV429843		LV429853			
	63A	LV429842 <input checked="" type="checkbox"/>		LV429852 <input checked="" type="checkbox"/>			
	80A	LV429841 <input checked="" type="checkbox"/>		LV429851			
	100A	LV429840 <input checked="" type="checkbox"/>		LV429850 <input checked="" type="checkbox"/>			
125A	LV430841 <input checked="" type="checkbox"/>	17550		LV430851		19700	
160A	LV430840 <input checked="" type="checkbox"/>			LV430850 <input checked="" type="checkbox"/>			
70kA	200A	LV431831 <input checked="" type="checkbox"/>	23450	LV431841	29100		
	250A	LV431830 <input checked="" type="checkbox"/>		LV431840 <input checked="" type="checkbox"/>			
	16A	LV429677	15150	LV429687	18950		
	25A	LV429676		LV429686			
	32A	LV429675		LV429685			
	40A	LV429674		LV429684			
	50A	LV429673		LV429683			
	63A	LV429672 <input checked="" type="checkbox"/>		LV429682			
	80A	LV429671		LV429681			
	100A	LV429670 <input checked="" type="checkbox"/>		LV429680			
125A	LV430671 <input checked="" type="checkbox"/>	28450		LV430681		30750	
160A	LV430670 <input checked="" type="checkbox"/>			LV430680			
70kA	200A	LV431671	32850	LV431681	40950		
	250A	LV431670 <input checked="" type="checkbox"/>		LV431680			

**Note:**

- \*\* applicable for NSX 200A & 250A
- For higher breaking capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales Office.

### With Micrologic 2 (µP -ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable overload from 0.36 - 1 x In
- Adjustable short circuit from 1.5 - 10 x Ir
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Two frame sizes up to 630A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429777 <input checked="" type="checkbox"/>	13350	LV429787 <input checked="" type="checkbox"/>	17850
	100A	LV429775 <input checked="" type="checkbox"/>	13350	LV429785 <input checked="" type="checkbox"/>	17850
	160A	LV430745 <input checked="" type="checkbox"/>	17350	LV430750 <input checked="" type="checkbox"/>	22500
	250A	LV431140 <input checked="" type="checkbox"/>	23800	LV431150 <input checked="" type="checkbox"/>	30500
36kA	40A	LV429772 <input checked="" type="checkbox"/>	14100	LV429782 <input checked="" type="checkbox"/>	18750
	100A	LV429770 <input checked="" type="checkbox"/>	14100	LV429780 <input checked="" type="checkbox"/>	18750
	160A	LV430770 <input checked="" type="checkbox"/>	18400	LV430780 <input checked="" type="checkbox"/>	25150
	250A	LV431770 <input checked="" type="checkbox"/>	26000	LV431780 <input checked="" type="checkbox"/>	33550
	400A	LV432676 <input checked="" type="checkbox"/>	32950	LV432677 <input checked="" type="checkbox"/>	37950
	630A	LV432876 <input checked="" type="checkbox"/>	35250	LV432877 <input checked="" type="checkbox"/>	46550
50kA	40A	LV429797 <input checked="" type="checkbox"/>	17000	LV429807 <input checked="" type="checkbox"/>	21650
	100A	LV429795 <input checked="" type="checkbox"/>	17000	LV429805 <input checked="" type="checkbox"/>	21650
	160A	LV430775 <input checked="" type="checkbox"/>	22100	LV430785 <input checked="" type="checkbox"/>	27350
	250A	LV431870 <input checked="" type="checkbox"/>	27600	LV431875 <input checked="" type="checkbox"/>	35850
	400A	LV432693 <input checked="" type="checkbox"/>	34450	LV432694 <input checked="" type="checkbox"/>	42650
	630A	LV432893 <input checked="" type="checkbox"/>	37950	LV432894 <input checked="" type="checkbox"/>	50850
70kA	40A	LV429792	21300	LV429802	27700
	100A	LV429790	21300	LV429800	27700
	160A	LV430790	31850	LV430800	36850
	250A	LV431790	36250	LV431800	47000
	400A	LV432695 <input checked="" type="checkbox"/>	42050	LV432696	59350
	630A	LV432895 <input checked="" type="checkbox"/>	43600	LV432896	68200

**Note:** For higher Breaking Capacities (100kA and 150kA); for Generator Protection MCCB and other special application MCCB, contact our nearest Sales Office.

### With Micrologic 6A ( $\mu$ P -ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Current measurements (Phase & neutral, Average, Highest of phases, Ground fault current, Maximeter / Minimeter, Current unbalance between phases)
- Adjustable overload from Ir 0.36 to 1 x In and tr = 0.5 - 16 s
- Adjustable short circuit from I<sub>sd</sub> 1.5 - 10 x Ir and t<sub>sd</sub> I<sup>2</sup>t<sub>ON/OFF</sub> 0.1 - 0.4s
- Adjustable earth fault 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and t<sub>g</sub> I<sup>2</sup>t<sub>ON/OFF</sub> 0.1 - 0.4s
- Instantaneous protection Ii 1.5 x In - 15 x In (40 - 160A), 12 x In (250 - 400A) and 11 x In (630A)
- Innovative front indication LED's (Ready, Overload pre-alarm & Overload)
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)
- Zone Selective Interlocking (ZSI) as standard
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF and oversized neutral (standard feature) for 4 Pole MCCB.

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429014X62A40	31350	LV429015X62A40	35100
	100A	LV429014X62A100 <input checked="" type="checkbox"/>	31350	LV429015X62A100	35100
	160A	LV430390X62A160 <input checked="" type="checkbox"/>	34750	LV430395X62A160	38800
	250A	LV431390X62A250 <input checked="" type="checkbox"/>	38350	LV431395X62A250	45500
36kA	40A	LV429003X62A40	32200	LV429008X62A40	36000
	100A	LV429003X62A100 <input checked="" type="checkbox"/>	32200	LV429008X62A100 <input checked="" type="checkbox"/>	36000
	160A	LV430403X62A160 <input checked="" type="checkbox"/>	35900	LV430408X62A160 <input checked="" type="checkbox"/>	41450
	250A	LV431403X62A250 <input checked="" type="checkbox"/>	39500	LV431408X62A250 <input checked="" type="checkbox"/>	48550
	400A	LV432413X63A400 <input checked="" type="checkbox"/>	45100	LV432415X63A400 <input checked="" type="checkbox"/>	51350
50kA	630A	LV432813X63A630 <input checked="" type="checkbox"/>	48750	LV432815X63A630	61750
	40A	LV429006X62A40	34850	LV429011X62A40	38750
	100A	LV429006X62A100 <input checked="" type="checkbox"/>	34850	LV429011X62A100	38750
	160A	LV430406X62A160 <input checked="" type="checkbox"/>	39150	LV430411X62A160	43450
	250A	LV431406X62A250 <input checked="" type="checkbox"/>	41900	LV431411X62A250	50650
70kA	400A	LV432403X63A400 <input checked="" type="checkbox"/>	46500	LV432408X63A400 <input checked="" type="checkbox"/>	56250
	630A	LV432803X63A630 <input checked="" type="checkbox"/>	51550	LV432808X63A630 <input checked="" type="checkbox"/>	66600
	40A	LV429004X62A40	39550	LV429009X62A40	45000
	100A	LV429004X62A100	39550	LV429009X62A100	45000
	160A	LV430404X62A160	49000	LV430409X62A160	52900
	250A	LV431404X62A250	49100	LV431409X62A250	76700
	400A	LV432404X63A400	62750	LV432409X63A400	78950
	630A	LV432804X63A630	64400	LV432809X63A630	87950

### Addition for High End Trip Units (From 100 to 630A)

Trip Units	To be added to Prices of Micrologic 6A [₹]
Micrologic 6.E	11000

**Note:** For arriving at the Reference of the MCCB with Micrologic 6E, please replace "A" with "E" in the above references.

### Micrologic 6 E (Embedded Energy Metering)



- Current Measurements (Phase & neutral, Average, Highest of Phases, Ground Fault current, Maximeter/Minimeter, Current Unbalance between Phases)
- Voltage Measurements (Phase-Phase & Phase-neutral, Average, Ph-Ph & Ph-N voltage unbalance)
- Frequency Measurements
- Power Quality Indicator (Total Harmonic Distortion for Current and Voltage)
- Power Measurements (Active, Reactive and Apparent Power, total and per phase and Power Factor and cos (phi))
- Demand Currents and Power Measurements (Demand Values, total & per phase, Maximum Demand)
- Energy Metering (Active, Reactive and Apparent energy, total and per phase)
- Indications, Alarms and Histories (Indication of fault types, Alarms for high/low threshold, operating histories & time stamped tables)
- Maintenance Indicators (Operation, trip and alarm counters; Operating Hours Counter; Contact wear; Load profile and thermal image)
- Communication (Modbus with add on module)

**Note:** For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office.



### Type NA Switch Disconnecter Unit



Compact NSX 100 to 250 NA



Compact NSX 400 to 630 NA

- Suitable for Isolation with positive contact indication as defined by standard IEC 60947-3.
- Compliance to utilization categories AC22A or AC23A
- Self protected due to high magnetic-set release
- Two frame sizes upto 630A
- Available in fixed, plug in and withdrawable versions
- Common Accessories as that of Compact NSX circuit breaker

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
100A	LV429629	8510	LV429639	11800
160A	LV430629	16560	LV430639	22010
250A	LV431629	24840	LV431639	33460
400A	LV432756	30280	LV432757	40490
630A	LV432956	32890	LV432957	55010

### With Magnetic Trip Unit MA type



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable magnetic setting Im 6 - 14 x In (2.5 - 100A) & 9 - 14 x In (150 - 200A)
- Type - 2 Co-ordination charts upto 110 kW at 400V
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	2.5A	LV429745	9600
	6.3A	LV429744	
	12.5A	LV429743	
	25A	LV429742	
	50A	LV429741	
	100A	LV429740 <input checked="" type="checkbox"/>	
	150A	LV430830 <input checked="" type="checkbox"/>	
50kA	220A	LV431748	23600
	2.5A	LV429755	12700
	6.3A	LV429754	
	12.5A	LV429753	
	25A	LV429752	
	50A	LV429751	
	100A	LV429750 <input checked="" type="checkbox"/>	
150A	LV430832 <input checked="" type="checkbox"/>	18100	
70kA	220A	LV431752	25850
	2.5A	LV429765	15550
	6.3A	LV429764	
	12.5A	LV429763	
	25A	LV429762	
	50A	LV429761	
	100A	LV429760	
150A	LV430834	27500	
	220A	LV431756	32850

### With Micrologic 1.3M



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable short circuit Isd = 5 - 13 x In
- Front indication LED (Ready LED)
- Type - 2 Co-ordination charts upto 250 kW at 400V
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	320A	LV432748	29100
	500A	LV432948	36300
50kA	320A	LV432749	32200
	500A	LV432949	38100
70kA	320A	LV432750	45600
	500A	LV432950	46600

**Note:** For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office

### With Micrologic 2M (µP - ASIC based)



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- Adjustable overload Ir 0.45 - 1 x In
- Adjustable short circuit Isd 5 - 13 x Ir
- Trip class selection: Class 5, Class 10 & Class 20
- Phase unbalance or Phase Loss
- Type - 2 Co-ordination charts upto 315 kW at 400V
- Front indication LED's (Ready & temperature rise alarm)
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCB
- Rated at 65°C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	25A	LV429828	14100
	50A	LV429827	
	100A	LV429825	
	150A	LV430985	20900
	220A	LV431160	29500
	320A	LV432775	36700
50kA	500A	LV432975	45000
	25A	LV429833	17000
	50A	LV429832	
	100A	LV429830	
	150A	LV430988	24600
	220A	LV431165	31100
70kA	320A	LV432776	45200
	500A	LV432976	47800
	25A	LV429838	21300
	50A	LV429837	
	100A	LV429835	
	150A	LV430991	34350
220A	LV431170	39750	
320A	LV432777	50300	
	500A	LV432977	58100

**Note:** For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office

### Addition for High End Trip Units (From 100 to 630A)

Trip Units	To be added to Micrologic 2M [₹]
Micrologic 6E-M	27000

**Note:** For arriving at the Reference of the MCCB with Micrologic 6E-M, please contact our nearest Sales Office

### Micrologic 6 E-M



In addition to Embedded Energy Metering features of Micrologic 6E, the below Motor Application parameters are present in Micrologic 6E-M

- Overload protection: Ir 0.45 - 1 x In
- Short circuit protection: Isd 5 - 13 x Ir
- Ground fault protection: Ig 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I2tON/OFF 0.1 - 0.4s
- Phase unbalance or Phase loss
- Trip class selection: Class 5, Class10, Class20 & Class30
- Cooling fan selection: self cooled or fan cooled motors
- Iunbalance: 10 - 40% of average current and time delay 0.7s (starting) & 1 - 10s (normal operation)
- Locked Rotor: Ijam 1 - 8 x Ir or Ijam can be made OFF and tjam 1 - 30s
- Under-Load (under-current): Iund 0.3 - 0.9 x Ir or Iund can be made OFF and tund 1 - 200s
- Long Starts Ilong 1 - 8 x Ir or Ilong can be made OFF and tlong 1 - 200s
- Neutral: OFF or 0.5 x Ir or oversized neutral standard
- Front indication LED's (Ready & temperature rise alarm)
- Zone Selective Interlocking (ZSI) as standard
- Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)



Indication contacts



SDTAM remote indication relay module



SDx remote indication relay module



Voltage Release



Motor Mechanism

Description	Reference	Unit MRP [₹]
<b>Auxiliary Contacts (Changeover) Multifunction</b>		
OF or SD or SDE or SDV	29450 <input checked="" type="checkbox"/>	850
OF or SD or SDE or SDV low level	29452	900
SDE adaptor for trip unit TM or MA or Micrologic 2 \$\$	LV429451 <input checked="" type="checkbox"/>	650
<b>SDx 2-Programmable Contacts for Micrologic</b>		
SDx module 24/415 V AC/DC	LV429532 <input checked="" type="checkbox"/>	7350
<b>SDTAM Contactor Tripping Module for Micrologic 2- M/6 E-M</b>		
SDTAM 24/415 V AC/DC overload fault indication	LV429424	7600

\$\$ To be considered alongwith SDE contact for MCCB with TMD/MA./Micrologic 2 protection.

### Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>AC</b>				
24 V 50/60 Hz	LV429384 <input checked="" type="checkbox"/>	2050	LV429404	2650
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 <input checked="" type="checkbox"/>		LV429406 <input checked="" type="checkbox"/>	
220-240 V 50/60 Hz	LV429387 <input checked="" type="checkbox"/>		LV429407 <input checked="" type="checkbox"/>	
380-415 V 50 Hz	LV429388 <input checked="" type="checkbox"/>		LV429408 <input checked="" type="checkbox"/>	
525 V 50 Hz	LV429389		LV429409	
<b>DC</b>				
12 V	LV429382	2050	LV429402	2650
24 V	LV429390 <input checked="" type="checkbox"/>		LV429410 <input checked="" type="checkbox"/>	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393 <input checked="" type="checkbox"/>		LV429413	
250 V	LV429394 <input checked="" type="checkbox"/>		LV429414 <input checked="" type="checkbox"/>	

### Installation Accessories

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Spreaders &amp; Phase Barrier</b>				
Spreaders (Set of 3) 3P	LV431563 <input checked="" type="checkbox"/>	500	32492 <input checked="" type="checkbox"/>	1300
Spreaders (Set of 4) 4P	LV431564 <input checked="" type="checkbox"/>	650	32493 <input checked="" type="checkbox"/>	1650
Phase Barrier (Set of 6)	*		LV432570 <input checked="" type="checkbox"/>	700
<b>Interlocking</b>				
For Breaker with Rotary Handle	LV429369	8150	LV432621	9950
For Breaker with Toggle	LV429354	8150	LV432614	9950
Mechanical Interlocking with Base Plate	29349**	16000	32609**	22000
<b>Locking of Rotary Handle</b>				
Locking Device	LV429344 <input checked="" type="checkbox"/>	500	LV432604 <input checked="" type="checkbox"/>	700
Ronis Keylock (1 Lock + 1 Key set)	41940 <input checked="" type="checkbox"/>	2450	41940 <input checked="" type="checkbox"/>	2450
Ronis Keylock (2 Locks + 1 Key set)	41950 <input checked="" type="checkbox"/>	4900	41950 <input checked="" type="checkbox"/>	4900
Profalux Keylock (1 Lock + 1 Key set)	42888 <input checked="" type="checkbox"/>	2450	42888 <input checked="" type="checkbox"/>	2450
Profalux Keylock (2 Locks + 1 Key set)	42878	4900	42878	4900

\* supplied as standard with spreader

\*\* Mechanical Interlocking with Base Plate to be ordered with Safety trip interlock (LV429270 for 29349 and LV432520 for 32609)



FDM121: Front Display Module



Test Battery



Power Supply Module



IFM: Modbus Interface Module



BSCM: Breaker Status and Control Module

## Motor Mechanism

Type	Voltage	100/160A Reference	Unit MRP [₹]	250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Motor Mechanism Modules with SDE adaptor <sup>(1)</sup></b>							
AC 50/60 Hz	48-60 V	LV429440	19400	LV431548	21450	LV432639	30600
	110-130 V	LV429433		LV431540		LV432640	
	220-240 V	LV429434 <input checked="" type="checkbox"/>		LV431541 <input checked="" type="checkbox"/>		LV432641 <input checked="" type="checkbox"/>	
	380-415 V	LV429435		LV431542		LV432642 <input checked="" type="checkbox"/>	
	440-480 V	LV429435		LV431542		LV432647	
DC	24-30 V	LV429436	23500	LV431543	25500	LV432643	33700
	48-60 V	LV429437		LV431544		LV432644	
	110-130 V	LV429438		LV431545		LV432645	
	250 V	LV429439		LV431546		LV432646	

(1) With every Motor Mechanism, please order 1 no. auxiliary contact additionally. For other voltages of motor mechanism please consult Schneider Electric.

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Locking of Motor Mechanism</b>				
Keylock adaptor + Ronis keylock (special)	LV429449	2450	-	-
Locking Device	-	-	LV432649	800
Ronis Keylock	-	-	41940 <input checked="" type="checkbox"/>	2450
Profalux Keylock	-	-	42888 <input checked="" type="checkbox"/>	
Torque Limiting Screws (Set of 12)	LV429513 <input checked="" type="checkbox"/>	1800	LV432513 <input checked="" type="checkbox"/>	2150

## Monitoring and Control, test tools- Compact and NSX100 - 630

### Monitoring and Control (Remote Operation)

Description	Reference	Unit MRP [₹]
<b>ULP Display Module</b>		
Switchboard front display module FDM121	TRV00121 <input checked="" type="checkbox"/>	9700
<b>ULP Wiring Accessories</b>		
NSX cord L = 0.35 m	LV434200	1650
NSX cord L = 1.3 m	LV434201 <input checked="" type="checkbox"/>	1700
5 RJ45/RJ45 MALE Cord L = 1m	TRV00810 <input checked="" type="checkbox"/>	2150
<b>ULP Communication Module</b>		
IFM MODBUS Interface Module	TRV00210 <input checked="" type="checkbox"/>	8700
BSCM ( Breaker Status and Control Module)	LV434205 <input checked="" type="checkbox"/>	7350
<b>Power Supply Modules</b>		
<b>External power supply module 24 V DC-1 A OVC IV</b>		
24-30 V DC	54440	13000
48-60 V DC	54441	
100-125 V AC	54442	
110-130 V AC	54443	11700
200-240 V AC	54444 <input checked="" type="checkbox"/>	
380-415 V AC	54445	
Pocket battery for Micrologic NSX100-630	LV434206	15300

Maintenance Module for advanced configuration and testing contact our nearest Sales Office.

ULP = Universal Logic Plug

NORMAL STOCK ITEMS

W.E.F. June 03, 2013



Direct Rotary Handle



Extended Rotary Handle



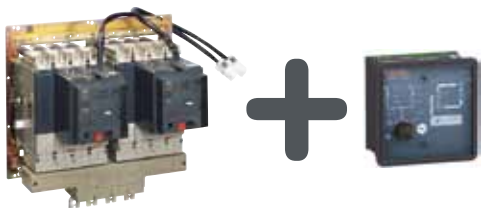
Plug in Base



Draw-Out Chassis Kit

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
<b>Rotary Handles</b>				
Standard direct black handle	LV429337 <input checked="" type="checkbox"/>	1050	LV432597 <input checked="" type="checkbox"/>	1600
Standard extended rotary handle	LV429338 <input checked="" type="checkbox"/>	1700	LV432598 <input checked="" type="checkbox"/>	3050
<b>Plug in Base (Complete Kit)</b>				
3 Pole	LV429289 <input checked="" type="checkbox"/>	7150	LV432538 <input checked="" type="checkbox"/>	16350
4 Pole	LV429290 <input checked="" type="checkbox"/>	9200	LV432539 <input checked="" type="checkbox"/>	20400
<b>Draw-Out Chassis Kit</b>				
<b>3 Pole</b>				
Plug In base	LV429289 <input checked="" type="checkbox"/>	7150	LV432538 <input checked="" type="checkbox"/>	16350
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	10000	LV432532 <input checked="" type="checkbox"/>	12650
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	5300	LV432533 <input checked="" type="checkbox"/>	7400
<b>4 Pole</b>				
Plug In base	LV429290 <input checked="" type="checkbox"/>	9200	LV432539 <input checked="" type="checkbox"/>	20400
Chassis Side Plate for base	LV429282 <input checked="" type="checkbox"/>	10000	LV432532 <input checked="" type="checkbox"/>	12650
Chassis Side Plate for breaker	LV429283 <input checked="" type="checkbox"/>	5300	LV432533 <input checked="" type="checkbox"/>	7400
<b>Plug In / Withdrawable version Accessories</b>				
<b>Automatic Auxilliary Connectors</b>				
1 9-wire fixed connector (for base)	LV429273	950	LV429273	950
1 9-wire moving connector (for circuit breaker)	LV429274	750	LV432523 <input checked="" type="checkbox"/>	800
1 support for 2 moving connectors	LV429275	550	LV432525 <input checked="" type="checkbox"/>	550
<b>Manual Auxilliary Connectors</b>				
9-wire manual auxiliary connector (fixed + moving)	LV429272	3400	LV429272	3400

**Note:** Above auxiliary connectors to be used with Plug-in and Withdrawable MCCB when Auxiliary Contact, Shunt, UnderVoltage or Motor Mechanism is used.



### BA controller (basic)

- Monitoring of "Normal" source & "Automatic" transfer
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to "Replacement" source (e.g. energy management commands)

### UA controller (advanced)

- Monitoring of "normal" source & "Automatic" transfer
- Circuit breaker status indication on front of controller: on, off & fault trip
- Voluntary transfer to "replacement" source (e.g. energy management commands)
- Delayed (adjustable) shutdown of generator set
- Load shedding & reconnection of non-priority loads
- Transfer to "Replacement" source if one of the phases of the "Normal" phase is absent
- During peak tariff period (energy management commands) forced operation on "Normal" source if "Replacement" source not operational

### With NSX100F - NSX630F 36kA 3P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	3P BA Controller Reference	Unit MRP [₹]	3P UA Controller Reference	Unit MRP [₹]
NSX100F	NSX100F	LV4A3F100100B4	159000	LV4A3F100100U4	174000
NSX160F	NSX100F	LV4A3F160100B4	164100	LV4A3F160100U4	179100
NSX160F	NSX160F	LV4A3F160160B4	168800	LV4A3F160160U4	183800
NSX250F	NSX100F	LV4A3F250100B4	174650	LV4A3F250100U4	189650
NSX250F	NSX160F	LV4A3F250160B4	179750	LV4A3F250160U4	194750
NSX250F	NSX250F	LV4A3F250250B4	190300	LV4A3F250250U4	205300
NSX400F	NSX100F	LV4A3F400100B4*	204050	LV4A3F400100U4*	219050
NSX400F	NSX160F	LV4A3F400160B4*	208350	LV4A3F400160U4*	223350
NSX400F	NSX250F	LV4A3F400250B4*	218000	LV4A3F400250U4*	233000
NSX400F	NSX400F	LV4A3F400400B4	234100	LV4A3F400400U4	249100
NSX630F	NSX160F	LV4A3F630160B4*	210650	LV4A3F630160U4*	225650
NSX630F	NSX250F	LV4A3F630250B4*	220300	LV4A3F630250U4*	235300
NSX630F	NSX400F	LV4A3F630400B4	236400	LV4A3F630400U4	251400
NSX630F	NSX630F	LV4A3F630630B4	238700	LV4A3F630630U4	253700

### With NSX100F - NSX630F 36kA 4P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	4P BA Controller Reference	Unit MRP [₹]	4P UA Controller Reference	Unit MRP [₹]
NSX100F	NSX100F	LV4A4F100100B4	165300	LV4A4F100100U4	180300
NSX160F	NSX100F	LV4A4F160100B4	171000	LV4A4F160100U4	186000
NSX160F	NSX160F	LV4A4F160160B4	172550	LV4A4F160160U4	187550
NSX250F	NSX100F	LV4A4F250100B4	183400	LV4A4F250100U4	198400
NSX250F	NSX160F	LV4A4F250160B4	189100	LV4A4F250160U4	204100
NSX250F	NSX250F	LV4A4F250250B4	201500	LV4A4F250250U4	216500
NSX400F	NSX100F	LV4A4F400100B4*	213700	LV4A4F400100U4*	228700
NSX400F	NSX160F	LV4A4F400160B4*	220100	LV4A4F400160U4*	235100
NSX400F	NSX250F	LV4A4F400250B4*	230550	LV4A4F400250U4*	245550
NSX400F	NSX400F	LV4A4F400400B4	244100	LV4A4F400400U4	259100
NSX630F	NSX160F	LV4A4F630160B4*	228700	LV4A4F630160U4*	243700
NSX630F	NSX250F	LV4A4F630250B4*	239150	LV4A4F630250U4*	254150
NSX630F	NSX400F	LV4A4F630400B4	252700	LV4A4F630400U4	267700
NSX630F	NSX630F	LV4A4F630630B4	261300	LV4A4F630630U4	276300

\* Downstream coupling accessories are not available.

#### Note:

Each reference consists of:

- 2 MCCBs with Motor mechanism & Standard Trip Units.
- 4 Auxiliary contacts 2OF + 2SDE
- 1 Base Plate with IVE unit for mechanical & electrical interlocking
- 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size
- Control Unit UA or BA

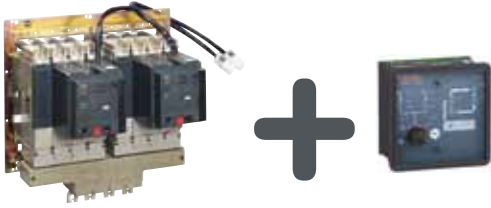
ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

Above given references with BA/UA controller are suitable for 415VAC control supply.

UA controller with 220/240V AC is not available

Replace suffix "4" by "2" for BA controller with 220/240V AC control supply.



### BA controller (basic)

- Monitoring of “Normal” source & “Automatic” transfer
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to “Replacement” source (e.g. energy management commands)

### UA controller (advanced)

- Monitoring of “Normal” source & “Automatic” transfer.
- Circuit breaker status indication on front of controller: ON, OFF & fault trip
- Voluntary transfer to “Replacement” source (e.g. energy management commands)
- Delayed (adjustable) shutdown of generator set.
- Load shedding & reconnection of non-priority loads.
- Transfer to “Replacement” source if one of the phases of the “Normal” phase is absent
- During peak tariff period (energy management commands) forced operation on “Normal” source if “Replacement” source not operational

### With NSX100N - NSX630N 50kA 3P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	3P BA Controller Reference	Unit MRP [₹]	3P UA Controller Reference	Unit MRP [₹]
NSX100N	NSX100N	LV4A3N100100B4	161900	LV4A3N100100U4	176900
NSX160N	NSX100N	LV4A3N160100B4	168400	LV4A3N160100U4	183400
NSX160N	NSX160N	LV4A3N160160B4	171650	LV4A3N160160U4	186650
NSX250N	NSX100N	LV4A3N250100B4	176350	LV4A3N250100U4	191350
NSX250N	NSX160N	LV4A3N250160B4	182850	LV4A3N250160U4	197850
NSX250N	NSX250N	LV4A3N250250B4	190800	LV4A3N250250U4	205800
NSX400N	NSX100N	LV4A3N400100B4*	208450	LV4A3N400100U4*	223450
NSX400N	NSX160N	LV4A3N400160B4*	213550	LV4A3N400160U4*	228550
NSX400N	NSX250N	LV4A3N400250B4*	221100	LV4A3N400250U4*	236100
NSX400N	NSX400N	LV4A3N400400B4	237100	LV4A3N400400U4	252100
NSX630N	NSX160N	LV4A3N630160B4*	217050	LV4A3N630160U4*	232050
NSX630N	NSX250N	LV4A3N630250B4*	224600	LV4A3N630250U4*	239600
NSX630N	NSX400N	LV4A3N630400B4	240600	LV4A3N630400U4	255600
NSX630N	NSX630N	LV4A3N630630B4	244100	LV4A3N630630U4	259100

### With NSX100N - NSX630N 50kA 4P MCCB

Breaker for Normal Supply	Breaker for Replacement Supply	4P BA Controller Reference	Unit MRP [₹]	4P UA Controller Reference	Unit MRP [₹]
NSX100N	NSX100N	LV4A4N100100B4	167700	LV4A4N100100U4	182700
NSX160N	NSX100N	LV4A4N160100B4	173450	LV4A4N160100U4	188450
NSX160N	NSX160N	LV4A4N160160B4	173800	LV4A4N160160U4	188800
NSX250N	NSX100N	LV4A4N250100B4	184900	LV4A4N250100U4	199900
NSX250N	NSX160N	LV4A4N250160B4	190650	LV4A4N250160U4	205650
NSX250N	NSX250N	LV4A4N250250B4	202100	LV4A4N250250U4	217100
NSX400N	NSX100N	LV4A4N400100B4*	221300	LV4A4N400100U4*	236300
NSX400N	NSX160N	LV4A4N400160B4*	227000	LV4A4N400160U4*	242000
NSX400N	NSX250N	LV4A4N400250B4*	237550	LV4A4N400250U4*	252550
NSX400N	NSX400N	LV4A4N400400B4	253500	LV4A4N400400U4	268500
NSX630N	NSX160N	LV4A4N630160B4*	235200	LV4A4N630160U4*	250200
NSX630N	NSX250N	LV4A4N630250B4*	245750	LV4A4N630250U4*	260750
NSX630N	NSX400N	LV4A4N630400B4	261700	LV4A4N630400U4	276700
NSX630N	NSX630N	LV4A4N630630B4	269900	LV4A4N630630U4	284900

\* Downstream coupling accessories are not available.

#### Note:

Each reference consists of:

- 2 MCCBs with Motor mechanism & Standard Trip Units.
- 4 Auxiliary contacts 2OF + 2SDE
- 1 Base Plate with IVE unit for mechanical & electrical interlocking
- 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size.
- Control Unit UA or BA

ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.

ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

Above given references with BA/UA controller are suitable for 415V AC control supply.

UA controller with 220/240V AC is not available

Replace suffix “4” by “2” for BA controller with 220/240V AC control supply.



Earth Leakage Protection is obtained by:

- Installing a Micrologic 7.0.A control unit (Compact NS800 - 3200A/ Masterpact NT/NW ACB)
- Using Vigirex Relays and separate Toroids or Rectangular Sensors

### Vigirex Relays



Vigirex Relays may be used to add external Earth Leakage Protection to Circuit Breakers

- Sensitivity Adjustments from 30mA to 30A and time delay settings from (0-4.5 seconds)
- Closed Toroid up to 630A (30 to 300mm in diameter), Split Toroid up to 250A (46 to 110mm in diameter) or
- Rectangular sensor up to 3200A
- 400Hz Distribution System

**Note:** For further details, please contact our nearest Sales Office.

Type	Control Voltage	Din rail mount Reference	Unit MRP [₹]	Front panel mount Reference	Unit MRP [₹]
RH110 with local manual fault reset	220/240VAC	56130	8700	56230	9550
Sensitivity=0.03A	380/415VAC	56140		56240	
RH99 with local manual fault reset	220/240VAC	56173	14500	56273	15700
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	56174		56274	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56507*	16900
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56508*	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56512**	
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	-	-	56513**	

\* alarm at 50% of fault threshold

\*\* alarm at 100% of fault threshold

### Vigirex Sensors

Type	Ie(A) Rated operational Current	Inside diameter (mm)	Reference	Unit MRP [₹]
TA30	65	30	50437	6050
PA50	85	50	50438	8450
IA80	160	80	50439	10050
MA120	250	120	50440	12100
SA200	400	200	50441	18150
GA300	630	300	50442	25350

Note: For vigirex relay with monitoring and communication facility, contact nearest sales office.

# MCCBs for DC Network Protection

Phone: +91 9222 666 999

Email: shop@shopelect.com

Compact NSX DC

**NEW**

## With Thermal Magnetic Trip Unit (TMD)



- Available from 16 – 630A in 3P/4P version with breaking capacities of 36kA and 100kA @ 750V DC
- Available in 1P version with breaking capacities of 36kA, 50kA and 85kA for 250V DC / pole
- Available in 2P version with breaking capacities of 36kA, 50kA, 100kA for 250V DC / pole
- Ics = 100% Icu for complete range
- TMD type trip unit for 16 – 250A and only Magnetic type (MP1/MP2/MP3) for 400 – 630A
- L/R (time constant of the distribution system) = 15 ms
- Compact NSX DC enables parallel connections of poles, optimizing use of rated currents
- Special connection accessories available for parallel and series connection

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
36kA	100A	LV438003XTMDC100	12400	LV438008XTMDC100	17550
	160A	LV438103XTMDC160	15450	LV438108XTMDC160	20600
	250A	LV438203XTMDC250	21150	LV438208XTMDC250	26300
	400A	LV438403	46350	LV438408	56650
	630A	LV438503	58750	LV438508	69050
100kA	100A	LV438018XTMDC100	14450	LV438019XTMDC100	19600
	160A	LV438118XTMDC160	19600	LV438119XTMDC160	24750
	250A	LV438218XTMDC250	26800	LV438219XTMDC250	30900
	400A	LV438418	49450	LV438419	60300
	630A	LV438518	61800	LV438519	72100

### Note:

- For 1P / 2P contact nearest Sales Office
- Above references and prices for 400A / 630A are with trip unit MP1; for other trip units contact nearest Sales Office
- For arriving at the references of MCCB with ratings lower than 100A; replace the last 3 digits with required ratings.
- For Accessories refer Compact NSX Accessories on page 25

# MCCBs for DC Network Protection

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

## Simplex NKS DC

- Fixed Thermal Magnetic Settings

Breaking Capacity Icu as per IEC 60947-2	Rated Current	One Pole Reference	Unit MRP [₹]
5 kA 125VDC L/R = 10ms	10A	NKS100R010DC1P	1290
	15A	NKS100R015DC1P	
	20A	NKS100R020DC1P	
	30A	NKS100R030DC1P	
	40A	NKS100R040DC1P	
	50A	NKS100R050DC1P	
	60A	NKS100R060DC1P	
	75A	NKS100R075DC1P	
	100A	NKS100R100DC1P	

- Fixed Thermal Magnetic Settings

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Two Pole Reference*	Unit MRP [₹]	Three Pole Reference	Unit MRP [₹]
10 kA 250VDC L/R = 10ms	10A	NKS100R010DC2P	3860	NKS100R010DC3P	4410
	15A	NKS100R015DC2P		NKS100R015DC3P	
	20A	NKS100R020DC2P		NKS100R020DC3P	
	25A	NKS100R025DC2P		NKS100R025DC3P	
	30A	NKS100R030DC2P		NKS100R030DC3P	
	40A	NKS100R040DC2P		NKS100R040DC3P	
	50A	NKS100R050DC2P		NKS100R050DC3P	
	60A	NKS100R060DC2P		NKS100R060DC3P	
	75A	NKS100R075DC2P	NKS100R075DC3P		
	100A	NKS100R100DC2P <input checked="" type="checkbox"/>	NKS100R100DC3P		
	110A	NKS160R110DC2P	NKS160R110DC3P	8090	
	125A	NKS160R125DC2P <input checked="" type="checkbox"/>	NKS160R125DC3P		
	140A	NKS160R140DC2P	NKS160R140DC3P		
	150A	NKS160R150DC2P	NKS160R150DC3P		
	160A	NKS160R160DC2P	NKS160R160DC3P	7710	
	175A	NKS200R175DC2P	NKS200R175DC3P		
200A	NKS200R200DC2P	NKS200R200DC3P	8840		

**Note:** \*2 Pole MCCB shall be in 3P dimensions.  
 Spreaders are supplied as standard only with NKS200R for lower ratings consider spreader prices extra

# MCCBs for DC Network Protection

Phone: +91 9222 666 999

Email: shop@shopelect.com

Website: www.shopelect.com

## Simplex MNS DC Accessories

Description	Reference	Unit MRP [₹]
<b>Auxiliary Contacts (Changeover)</b>		
Auxiliary Switch 1 C/O	AX1CT1L <input checked="" type="checkbox"/>	715
Alarm Switch 1 C/O	AL1CT1NR <input checked="" type="checkbox"/>	770
<b>Rotary Handles</b>		
Standard direct black handle	NRHOMT1 <input checked="" type="checkbox"/>	840
Standard extended rotary handle	NDHOMT1 <input checked="" type="checkbox"/>	1020
<b>Spreaders</b>		
Spreaders (Set of 3) 3P	NKSP13 <input checked="" type="checkbox"/>	240

Voltage	Reference	Unit MRP [₹]
<b>Shunt Release</b>		
<b>AC</b>		
100-130 V	SHT110ACT1L	620
240 V	SHT240ACT1L <input checked="" type="checkbox"/>	
415 V	SHT415ACT1L	
440 V	SHT440ACT1L	
<b>DC</b>		
24 V	SHT24DCT1L	620
48 V	SHT48DCT1L	
110 V	SHT110DCT1L	
220 V	SHT220DCT1L <input checked="" type="checkbox"/>	
<b>Under Voltage Release</b>		
<b>AC</b>		
110 V	UVT110ACT1	1155
220 V	UVT220/240ACT1 <input checked="" type="checkbox"/>	
415 V	UVT415ACT1	

**Note:**

- EasyPact CVS can also be used for DC network protection (from 16-630A TMD)
- For performance and other details contact our nearest Sales Office.

# Compact NS

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

## Circuit breakers and switch-disconnectors from 630b to 3200A



**2** sizes:

from 630b to 3200A



Compact NS630b to 1600



Compact NS1600b to 3200

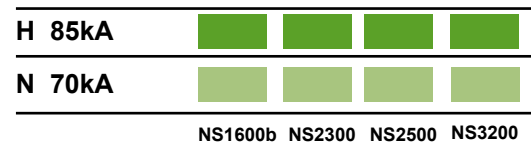
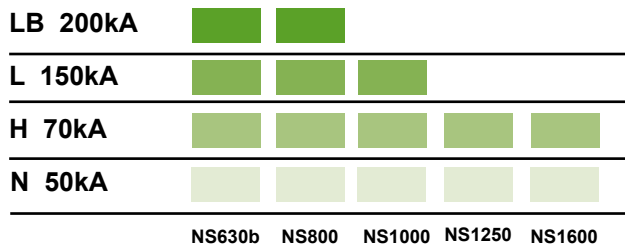


Micrologic without Display

Micrologic A

Micrologic E

Micrologic P



### With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A
- Breaking Capacity as high as 150kA
- Category B MCCBs

### With Micrologic 2.0 Manual Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (Instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
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#### With Direct Rotary Handle

50kA	800	INA_3P33466D <input checked="" type="checkbox"/>	59800	INA_4P33469D	78250
	1000	INA_3P33472D	76750	INA_4P33475D	111400
	1250	INA_3P33478D	92000	INA_4P33480D	141100
70kA	800	INA_3P33467D	73100	INA_4P33470D	93450
	1000	INA_3P33473D	96700	INA_4P33476D	145450
	1250	INA_3P33479D	116000	INA_4P33481D	160200

#### With Extended Rotary Handle

50kA	800	INA_3P33466E <input checked="" type="checkbox"/>	61550	INA_4P33469E <input checked="" type="checkbox"/>	80000
	1000	INA_3P33472E <input checked="" type="checkbox"/>	78500	INA_4P33475E <input checked="" type="checkbox"/>	113100
	1250	INA_3P33478E <input checked="" type="checkbox"/>	93700	INA_4P33480E	142800
70kA	800	INA_3P33467E	74850	INA_4P33470E	95200
	1000	INA_3P33473E	98400	INA_4P33476E	147200
	1250	INA_3P33479E	117750	INA_4P33481E	161900

### With Micrologic 6.0.A Manual Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
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#### With Direct Rotary Handle

50kA	800	INA_3P96466D	84700	INA_4P96469D	103150
	1000	INA_3P96472D	101650	INA_4P96475D	136300
	1250	INA_3P96478D	116900	INA_4P96480D	166000
70kA	800	INA_3P96467D	98000	INA_4P96470D	118350
	1000	INA_3P96473D	121600	INA_4P96476D	170350
	1250	INA_3P96479D	140900	INA_4P96481D	185100

#### With Extended Rotary Handle

50kA	800	INA_3P96466E	86400	INA_4P96469E	104900
	1000	INA_3P96472E	103400	INA_4P96475E	138000
	1250	INA_3P96478E	118600	INA_4P96480E	167700
70kA	800	INA_3P96467E	99750	INA_4P96470E	120100
	1000	INA_3P96473E	123300	INA_4P96476E	172050
	1250	INA_3P96479E	142650	INA_4P96481E	186800

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)

## Display shows readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed. LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office  
 Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

NORMAL STOCK ITEMS

W.E.F. June 03, 2013

### With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A
- Breaking Capacity as high as 150kA
- Category B MCCBs

### With Micrologic 2.0E Manual Fixed (With Embedded Energy Metering) **NEW**

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Communication option & M2C programmable contacts
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (Instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_8N3PFM2ED1	76250	INA_8N4PFM2ED1	94750
	1000	INA_10N3PFM2ED1	93250	INA_10N4PFM2ED1	127850
	1250	INA_12N3PFM2ED1	108450	INA_12N4PFM2ED1	157550
70kA	800	INA_8H3PFM2ED1	89600	INA_8H4PFM2ED1	109950
	1000	INA_10H3PFM2ED1	113150	INA_10H4PFM2ED1	161900
	1250	INA_12H3PFM2ED1	132500	INA_12H4PFM2ED1	176650
<b>With Extended Rotary Handle</b>					
50kA	800	INA_8N3PFM2EE1	78000	INA_8N4PFM2EE1	96450
	1000	INA_10N3PFM2EE1	95000	INA_10N4PFM2EE1	129600
	1250	INA_12N3PFM2EE1	110200	INA_12N4PFM2EE1	159300
70kA	800	INA_8H3PFM2EE1	91300	INA_8H4PFM2EE1	111650
	1000	INA_10H3PFM2EE1	114900	INA_10H4PFM2EE1	163650
	1250	INA_12H3PFM2EE1	134250	INA_12H4PFM2EE1	178400

### With Micrologic 6.0E Manual Fixed (With Embedded Energy Metering) **NEW**

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>With Direct Rotary Handle</b>					
50kA	800	INA_8N3PFM6ED1	91700	INA_8N4PFM6ED1	110150
	1000	INA_10N3PFM6ED1	108650	INA_10N4PFM6ED1	143300
	1250	INA_12N3PFM6ED1	123900	INA_12N4PFM6ED1	173000
70kA	800	INA_8H3PFM6ED1	105000	INA_8H4PFM6ED1	125350
	1000	INA_10H3PFM6ED1	128600	INA_10H4PFM6ED1	177350
	1250	INA_12H3PFM6ED1	147900	INA_12H4PFM6ED1	192100
<b>With Extended Rotary Handle</b>					
50kA	800	INA_8N3PFM6EE1	93400	INA_8N4PFM6EE1	111900
	1000	INA_10N3PFM6EE1	110400	INA_10N4PFM6EE1	145000
	1250	INA_12N3PFM6EE1	125600	INA_12N4PFM6EE1	174700
70kA	800	INA_8H3PFM6EE1	106750	INA_8H4PFM6EE1	127100
	1000	INA_10H3PFM6EE1	130300	INA_10H4PFM6EE1	179050
	1250	INA_12H3PFM6EE1	149650	INA_12H4PFM6EE1	193800

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)

## Display shows readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed.  
 LED bargraph shows the % loading on each phase

**Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office**  
 Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

### With Micrologic Trip Units ( Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A.  
 Typical design of Shunt, Closing & U/V coil for NS>=630A MCCB & Masterpact ACB
- Breaking Capacity as high as 150kA
- Category B MCCBs

### With Micrologic 2.0 Electrical Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_3P93280_20	96050	INA_4P93284_20	114550
	1000	INA_3P93290_20	113050	INA_4P93294_20	147650
	1250	INA_3P93300_20	128250	INA_4P93304_20	177350
70kA	800	INA_3P93281_20	109400	INA_4P93285_20	129750
	1000	INA_3P93291_20	132950	INA_4P93295_20	181700
	1250	INA_3P93301_20	152300	INA_4P93305_20	196450
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_3P93280_40	96050	INA_4P93284_40	114550
	1000	INA_3P93290_40	113050	INA_4P93294_40	147650
	1250	INA_3P93300_40	128250	INA_4P93304_40	177350
70kA	800	INA_3P93281_40	109400	INA_4P93285_40	129750
	1000	INA_3P93291_40	132950	INA_4P93295_40	181700
	1250	INA_3P93301_40	152300	INA_4P93305_40	196450

### With Micrologic 6.0.A Electrical Fixed

- LED overload alarm indicator
- Test Facility
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_3P96280_20	120950	INA_4P96284_20	139400
	1000	INA_3P96290_20	137950	INA_4P96294_20	172550
	1250	INA_3P96300_20	153150	INA_4P96304_20	202250
70kA	800	INA_3P96281_20	134300	INA_4P96285_20	154650
	1000	INA_3P96291_20	157850	INA_4P96295_20	206600
	1250	INA_3P96301_20	177200	INA_4P96305_20	221350
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_3P96280_40	120950	INA_4P96284_40	139400
	1000	INA_3P96290_40	137950	INA_4P96294_40	172550
	1250	INA_3P96300_40	153150	INA_4P96304_40	202250
70kA	800	INA_3P96281_40	134300	INA_4P96285_40	154650
	1000	INA_3P96291_40	157850	INA_4P96295_40	206600
	1250	INA_3P96301_40	177200	INA_4P96305_40	221350

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I <sup>2</sup> t ON/OFF)

## Display shows Readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed.  
 LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office  
 Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.



### With Micrologic Trip Units (Common for ACBs & MCCBs) - Unique Feature of Schneider Electric devices



- Single frame size from 630b to 1600A
- Unique common auxiliary switches from 100A to 1600A.
- Typical design of Shunt, Closing & U/V coil for NS>=630A MCCB & Masterpact ACB
- Breaking Capacity as high as 150kA
- Category B MCCBs

### With Micrologic 2.0E Electrical Fixed (With Embedded Energy Metering) NEW

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N & unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep, Eq, Es)
- Adjustable neutral protection - N, N/2, OFF for 4 Pole MCCBs
- Adjustable overload (Ir) 0.4 - 1 x In
- Short circuit (instantaneous) 1.5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_8N3PFE2E0120	112550	INA_8N4PFE2E0120	131000
	1000	INA_10N3PFE2E0120	129500	INA_10N4PFE2E0120	164150
	1250	INA_12N3PFE2E0120	144700	INA_12N4PFE2E0120	193850
70kA	800	INA_8H3PFE2E0120	125850	INA_8H4PFE2E0120	146200
	1000	INA_10H3PFE2E0120	149450	INA_10H4PFE2E0120	198200
	1250	INA_12H3PFE2E0120	168750	INA_12H4PFE2E0120	212900
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_8N3PFE2E0140	112550	INA_8N4PFE2E0140	131000
	1000	INA_10N3PFE2E0140	129500	INA_10N4PFE2E0140	164150
	1250	INA_12N3PFE2E0140	144700	INA_12N4PFE2E0140	193850
70kA	800	INA_8H3PFE2E0140	125850	INA_8H4PFE2E0140	146200
	1000	INA_10H3PFE2E0140	149450	INA_10H4PFE2E0140	198200
	1250	INA_12H3PFE2E0140	168750	INA_12H4PFE2E0140	212900

### With Micrologic 6.0E Electrical Fixed (With Embedded Energy Metering) NEW

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N, unbalance), Power (P,Q,S), power factor, power demand, Energy (Ep,Eq,Es)
- Adjustable neutral protection - N, N/2, OFF
- With ammeter display & bargraph ## (Bargraph is unique feature of Schneider MCCB)
- Zone Selective Interlocking
- Communication optional
- Individual fault indication by LED

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
<b>For Control Voltage 220/240V AC</b>					
50kA	800	INA_8N3PFE6E0120	127950	INA_8N4PFE6E0120	146400
	1000	INA_10N3PFE6E0120	144950	INA_10N4PFE6E0120	179550
	1250	INA_12N3PFE6E0120	160150	INA_12N4PFE6E0120	209250
70kA	800	INA_8H3PFE6E0120	141300	INA_8H4PFE6E0120	161650
	1000	INA_10H3PFE6E0120	164850	INA_10H4PFE6E0120	213600
	1250	INA_12H3PFE6E0120	184200	INA_12H4PFE6E0120	228350
<b>For Control Voltage 415V AC</b>					
50kA	800	INA_8N3PFE6E0140	127950	INA_8N4PFE6E0140	146400
	1000	INA_10N3PFE6E0140	144950	INA_10N4PFE6E0140	179550
	1250	INA_12N3PFE6E0140	160150	INA_12N4PFE6E0140	209250
70kA	800	INA_8H3PFE6E0140	141300	INA_8H4PFE6E0140	161650
	1000	INA_10H3PFE6E0140	164850	INA_10H4PFE6E0140	213600
	1250	INA_12H3PFE6E0140	184200	INA_12H4PFE6E0140	228350

Remarks: Trip Unit Micrologic 6.0.A

Parameter	Description	Setting
Ir	Adjustable Overload Current	0.4 - 1 x In
tr	Adjustable Overload time delay	0.5 - 24 sec
Isd	Adjustable Short Circuit Current	1.5 - 10 x Ir
tsd	Adjustable Short Circuit time delay	0.1 - 0.4sec & OFF (I²t ON/OFF)
Ii	Adjustable Instantaneous Current	2 - 15 x In & OFF
Ig	Adjustable Earth Fault Current	0.2 - In (for <1250A) / 500 - 1200A (for >=1250A)
tg	Adjustable Earth Fault time delay	0.1 - 0.4sec & OFF (I²t ON/OFF)

## Display shows Readings of I1, I2, I3, In & Earth Fault Current Value. Also Maximeters of Three Phase Currents are stored & displayed.  
 LED bargraph shows the % loading on each phase

Note: For above MCCB with trip unit Micrologic 5.0, 5.0A, 5.0P, 6.0P and MCCB with higher breaking capacities, contact our nearest Sales Office  
 Functionality of all the above Micrologic is same as that of Masterpact NT/NW ACB.

NORMAL STOCK ITEMS

W.E.F. June 03, 2013

### For Compact NS630b - 1600A

Type	Voltage	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
<b>Voltage Releases</b>					
AC 50/60 Hz	24 V	33659	5100	33668	5350
	48 V	33660		33669	
	110-130 V	33661 <input checked="" type="checkbox"/>		33670 <input checked="" type="checkbox"/>	
	220-240 V	33662 <input checked="" type="checkbox"/>		33671 <input checked="" type="checkbox"/>	
	380-415 V	33664 <input checked="" type="checkbox"/>		33673 <input checked="" type="checkbox"/>	
DC	24 V	33659	5100	33668	5350
	48 V	33660		33669	
	125 V	33661 <input checked="" type="checkbox"/>		33670 <input checked="" type="checkbox"/>	
	250 V	33662 <input checked="" type="checkbox"/>		33671 <input checked="" type="checkbox"/>	
<b>Description</b>				<b>NS630b to 1600 Reference</b>	<b>Unit MRP [₹]</b>
Spreaders (Set of 3) 3P				33622 <input checked="" type="checkbox"/>	5950
Spreaders (Set of 4) 4P				33623 <input checked="" type="checkbox"/>	7900

# MasterPact MVS is now EasyPact MVS

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

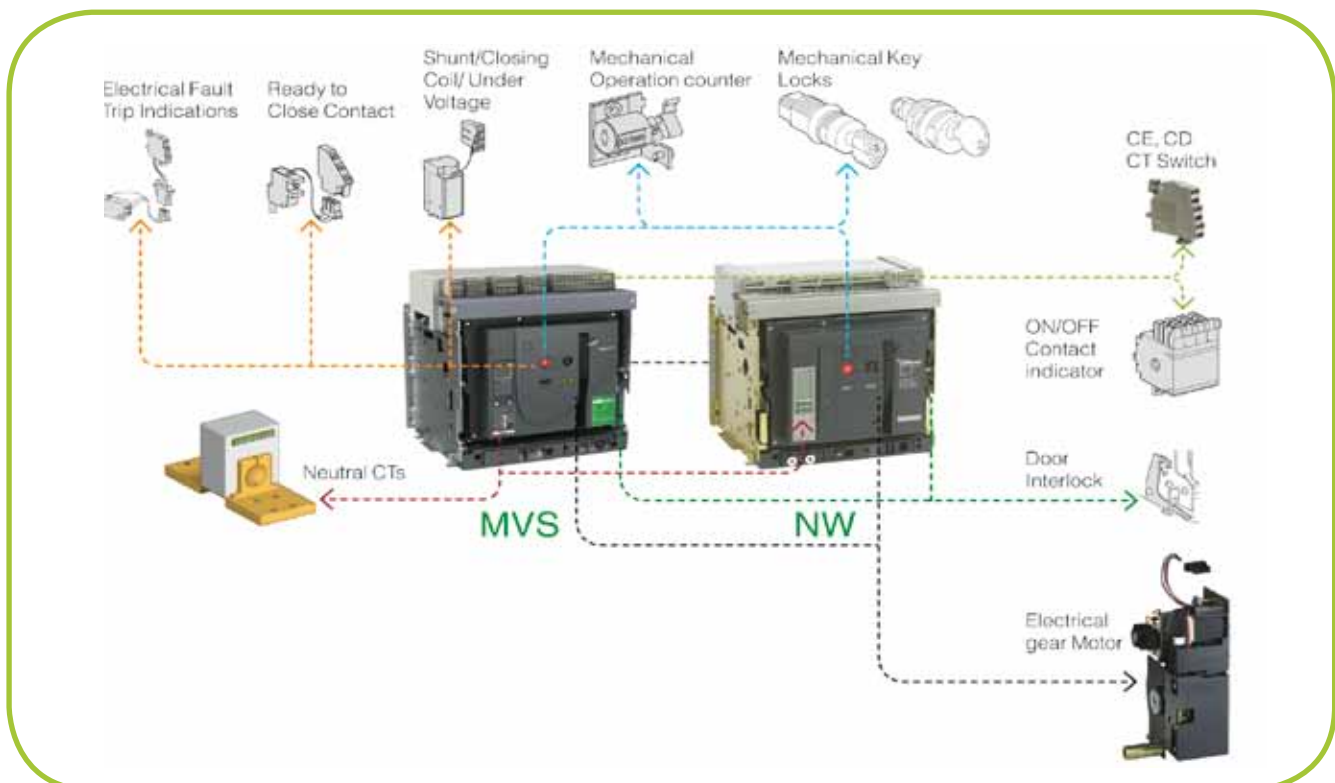


## MasterPact MVS becomes Global offer as EasyPact MVS with

- More Functionalities/ Benefits
- Wide Range
- Same accessories of MasterPact NW
- New ETV range of trip units
- Environment Friendly
- Enhanced performance



## NW & MVS Share the same footprint of Masterpact Value System



# EasyPact MVS

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

## Selection Guide

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
MVS	08 10 12 16 20 25 32 40	N	3 4	M N O P Q R S T	F W	2 5 6 0	L A V D

EasyPact MVS (from 800 to 4000A) Icu=Ics=Icw= 50kA

3 2 1 1 1 1 1 1 Digits used

							Type L Basic Protection A Protection+ current metering V Protection+ voltage metering D Switch Disconnecter
							Protection No. 2 LI Protection 5 LSI Protection 6 LSIG Protection 0 No protection for switch disconnecter
							Type of Installation F Fixed W Withdrawable/ drawout
							Operating Mechanism M Manually Operated ACB/SD N Electrical 200/240 VAC MCH + XF + MX O Electrical 110/130 VAC MCH + XF + MX P Electrical 380/415 VAC MCH + XF + MX Q Electrical 200/250 VDC MCH + XF + MX R Electrical 100/125 VDC MCH + XF + MX S Electrical 48/60 VDC MCH + XF + MX T Electrical 24/30 VDC MCH + XF + MX
							Number of Poles 3 3 Poles 4 4 Poles
							Type based on breaking capacity N Circuit breaker/ switch disconnecter Icu=Ics=Icw (1sec)= 50kA
							Current Rating 08 800A 10 1000A 12 1250A 16 1600A 20 2000A 25 2500A 32 3200A 40 4000A

### Example 1: MVS32N4NW6L

MVS	32	N	4	N	W	6	L
EasyPact MVS	3200A	50kA	4 Pole	Electrical operated	Withdrawable type	LSIG Protection	Basic trip unit with LED indications

Note: In case of different coil voltages of MCH, XF, MX. Kindly contact our nearest sales office.

# ET/ETA/ETV Trip System NEW

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com

## A step towards intelligent Electrical Distribution Network



		ET Trip Unit	ETA Trip Unit	ETV Trip Unit
<b>Features</b>	Current Metering		●	●
	Voltage Metering			●
	ZSI	●	●	●
	% Loading Bar Graph for each phase	●	●	●
	Thermal Memory	●	●	●
	Last 10 Trip History			●
<b>Protection</b>	2 (L, I)	2L	2A	2V
	6 (L,S,I,G)	6L	6A	6V



### Additional information provided by ETV range of trip units

- Demand Current
- Demand current maximeters
- Phase to phase voltages
- Phase to neutral voltages
- Average voltage
- Voltage unbalance
- Trip History



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6L provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2L provides Overload & Short-circuit protections
- Icu=Ics=Icw(1sec) = 50kA @ 440V AC

### Draw-out Type circuit breaker with Microprocessor based ET6L Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW6L	153100	MVS08N3NW6L	195100	MVS08N4MW6L	195100	MVS08N4NW6L	237100
1000	MVS10N3MW6L	167200	MVS10N3NW6L	209200	MVS10N4MW6L	211300	MVS10N4NW6L	253300
1250	MVS12N3MW6L	188000	MVS12N3NW6L	230000	MVS12N4MW6L	227300	MVS12N4NW6L	269300
1600	MVS16N3MW6L	205500	MVS16N3NW6L	247500	MVS16N4MW6L	265900	MVS16N4NW6L	307900
2000	MVS20N3MW6L	250700	MVS20N3NW6L	292700	MVS20N4MW6L	304900	MVS20N4NW6L	346900
2500	MVS25N3MW6L	304000	MVS25N3NW6L	346000	MVS25N4MW6L	373000	MVS25N4NW6L	415000
3200	MVS32N3MW6L	386800	MVS32N3NW6L	428800	MVS32N4MW6L	478900	MVS32N4NW6L	520900
4000	MVS40N3MW6L	468600	MVS40N3NW6L	510600	MVS40N4MW6L	594500	MVS40N4NW6L	636500

### Draw-out Type circuit breaker with Microprocessor based ET2L Trip Unit (without display)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2L	137600	MVS08N3NW2L	179600	MVS08N4MW2L	179600	MVS08N4NW2L	221600
1000	MVS10N3MW2L	151700	MVS10N3NW2L	193700	MVS10N4MW2L	195800	MVS10N4NW2L	237800
1250	MVS12N3MW2L	172500	MVS12N3NW2L	214500	MVS12N4MW2L	211800	MVS12N4NW2L	253800
1600	MVS16N3MW2L	190000	MVS16N3NW2L	232000	MVS16N4MW2L	250400	MVS16N4NW2L	292400
2000	MVS20N3MW2L	235200	MVS20N3NW2L	277200	MVS20N4MW2L	289400	MVS20N4NW2L	331400
2500	MVS25N3MW2L	288500	MVS25N3NW2L	330500	MVS25N4MW2L	357500	MVS25N4NW2L	399500
3200	MVS32N3MW2L	371300	MVS32N3NW2L	413300	MVS32N4MW2L	463400	MVS32N4NW2L	505400
4000	MVS40N3MW2L	453100	MVS40N3NW2L	495100	MVS40N4MW2L	579000	MVS40N4NW2L	621000

### Draw-out type switch disconnector without protection

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW0D	132600	MVS08N3NW0D	174600	MVS08N4MW0D	174600	MVS08N4NW0D	216600
1000	MVS10N3MW0D	146700	MVS10N3NW0D	188700	MVS10N4MW0D	190800	MVS10N4NW0D	232800
1250	MVS12N3MW0D	167500	MVS12N3NW0D	209500	MVS12N4MW0D	206800	MVS12N4NW0D	248800
1600	MVS16N3MW0D	185000	MVS16N3NW0D	227000	MVS16N4MW0D	245400	MVS16N4NW0D	287400
2000	MVS20N3MW0D	230200	MVS20N3NW0D	272200	MVS20N4MW0D	284400	MVS20N4NW0D	326400
2500	MVS25N3MW0D	283500	MVS25N3NW0D	325500	MVS25N4MW0D	352500	MVS25N4NW0D	394500
3200	MVS32N3MW0D	366300	MVS32N3NW0D	408300	MVS32N4MW0D	458400	MVS32N4NW0D	500400
4000	MVS40N3MW0D	448100	MVS40N3NW0D	490100	MVS40N4MW0D	574000	MVS40N4NW0D	616000

#### Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX). (Voltage ratings to be specified by customer & duly filled in ACB Order form)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

#### Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6A provides Overload, Short-circuit, Instantaneous & Earth-fault protections with current metering
- ET2A provides Overload & Short-circuit protections with current metering
- Icu=Ics=Icw(1sec) = 50kA @ 440V AC

### Draw-out Type circuit breaker with Microprocessor based ET6A Trip Unit (with current metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW6A	161100	MVS08N3NW6A	203100	MVS08N4MW6A	203100	MVS08N4NW6A	245100
1000	MVS10N3MW6A	175200	MVS10N3NW6A	217200	MVS10N4MW6A	219300	MVS10N4NW6A	261300
1250	MVS12N3MW6A	196000	MVS12N3NW6A	238000	MVS12N4MW6A	235300	MVS12N4NW6A	277300
1600	MVS16N3MW6A	213500	MVS16N3NW6A	255500	MVS16N4MW6A	273900	MVS16N4NW6A	315900
2000	MVS20N3MW6A	258700	MVS20N3NW6A	300700	MVS20N4MW6A	312900	MVS20N4NW6A	354900
2500	MVS25N3MW6A	312000	MVS25N3NW6A	354000	MVS25N4MW6A	381000	MVS25N4NW6A	423000
3200	MVS32N3MW6A	394800	MVS32N3NW6A	436800	MVS32N4MW6A	486900	MVS32N4NW6A	528900
4000	MVS40N3MW6A	476600	MVS40N3NW6A	518600	MVS40N4MW6A	602500	MVS40N4NW6A	644500

### Draw-out Type circuit breaker with Microprocessor based ET2A Trip Unit (with current metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2A	145600	MVS08N3NW2A	187600	MVS08N4MW2A	187600	MVS08N4NW2A	229600
1000	MVS10N3MW2A	159700	MVS10N3NW2A	201700	MVS10N4MW2A	203800	MVS10N4NW2A	245800
1250	MVS12N3MW2A	180500	MVS12N3NW2A	222500	MVS12N4MW2A	219800	MVS12N4NW2A	261800
1600	MVS16N3MW2A	198000	MVS16N3NW2A	240000	MVS16N4MW2A	258400	MVS16N4NW2A	300400
2000	MVS20N3MW2A	243200	MVS20N3NW2A	285200	MVS20N4MW2A	297400	MVS20N4NW2A	339400
2500	MVS25N3MW2A	296500	MVS25N3NW2A	338500	MVS25N4MW2A	365500	MVS25N4NW2A	407500
3200	MVS32N3MW2A	379300	MVS32N3NW2A	421300	MVS32N4MW2A	471400	MVS32N4NW2A	513400
4000	MVS40N3MW2A	461100	MVS40N3NW2A	503100	MVS40N4MW2A	587000	MVS40N4NW2A	629000

#### Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX). (Voltage ratings to be specified by customer & duly filled in ACB Order form)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

#### Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50°C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6V provides Overload, Short-circuit, Instantaneous & Earth-fault protections with current and voltage metering
- ET2V provides Overload & Short-circuit protections with current voltage metering
- $I_{cu} = I_{cs} = I_{cw}(1\text{sec}) = 50\text{kA} @ 440\text{V AC}$

### Draw-out Type circuit breaker with Microprocessor based ET6V Trip Unit (with voltage metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW6V	168600	MVS08N3NW6V	210600	MVS08N4MW6V	210600	MVS08N4NW6V	252600
1000	MVS10N3MW6V	182700	MVS10N3NW6V	224700	MVS10N4MW6V	226800	MVS10N4NW6V	268800
1250	MVS12N3MW6V	203500	MVS12N3NW6V	245500	MVS12N4MW6V	242800	MVS12N4NW6V	284800
1600	MVS16N3MW6V	221000	MVS16N3NW6V	263000	MVS16N4MW6V	281400	MVS16N4NW6V	323400
2000	MVS20N3MW6V	266200	MVS20N3NW6V	308200	MVS20N4MW6V	320400	MVS20N4NW6V	362400
2500	MVS25N3MW6V	319500	MVS25N3NW6V	361500	MVS25N4MW6V	388500	MVS25N4NW6V	430500
3200	MVS32N3MW6V	402300	MVS32N3NW6V	444300	MVS32N4MW6V	494400	MVS32N4NW6V	536400
4000	MVS40N3MW6V	484100	MVS40N3NW6V	526100	MVS40N4MW6V	610000	MVS40N4NW6V	652000

### Draw-out Type circuit breaker with Microprocessor based ET2V Trip Unit (with voltage metering)

Rating In (A)	3P Draw-Out Manual Reference	Unit LP [₹]	3P Draw-Out Electrical Reference	Unit LP [₹]	4P Draw-Out Manual Reference	Unit LP [₹]	4P Draw-Out Electrical Reference	Unit LP [₹]
800	MVS08N3MW2V	153100	MVS08N3NW2V	195100	MVS08N4MW2V	195100	MVS08N4NW2V	237100
1000	MVS10N3MW2V	167200	MVS10N3NW2V	209200	MVS10N4MW2V	211300	MVS10N4NW2V	253300
1250	MVS12N3MW2V	188000	MVS12N3NW2V	230000	MVS12N4MW2V	227300	MVS12N4NW2V	269300
1600	MVS16N3MW2V	205500	MVS16N3NW2V	247500	MVS16N4MW2V	265900	MVS16N4NW2V	307900
2000	MVS20N3MW2V	250700	MVS20N3NW2V	292700	MVS20N4MW2V	304900	MVS20N4NW2V	346900
2500	MVS25N3MW2V	304000	MVS25N3NW2V	346000	MVS25N4MW2V	373000	MVS25N4NW2V	415000
3200	MVS32N3MW2V	386800	MVS32N3NW2V	428800	MVS32N4MW2V	478900	MVS32N4NW2V	520900
4000	MVS40N3MW2V	468600	MVS40N3NW2V	510600	MVS40N4MW2V	594500	MVS40N4NW2V	636500

#### Note:

All draw-out type circuit breakers will be supplied with:

- Top and Bottom horizontal terminations.
- 1 No. Electrical fault indication Contact (SDE).
- 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
- Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

- All electrical operated breakers are supplied with motor mechanism (MCH), closing coil (XF) & shunt release (MX). (Voltage ratings to be specified by customer & duly filled in ACB Order form)
- External Neutral CT required for highly un-balanced TP-N system has to be ordered at extra price.
- Any other accessories are optional at extra price.

#### Prices:

- The above are list prices & are inclusive of Excise duty.
- CST/ VAT/ Entry tax will be charged extra as applicable.
- For prices of fixed type circuit breakers and switch-disconnector, kindly contact our nearest Sales Office.



Description	Rated Operational Voltage	Reference	Unit MRP [₹]
<b>Gear Motor (MCH)</b>			
AC 50/60 Hz  DC	100/130 V	47893	35000
	200/240 V	47894 <input checked="" type="checkbox"/>	
	380/415 V	47896	
	24/30 V	47888	
	48/60 V	47889	
	100/125 V	47890	
	200/250 V	47891	
<b>Closing Release (XF)</b>			
AC 50/60 Hz DC	24/30 V DC	33659	5100
	48/60 V DC	33660	
	100/130 V AC/DC	33661 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33662 <input checked="" type="checkbox"/>	
	380/480 V AC	33664 <input checked="" type="checkbox"/>	
<b>Opening Release (MX)</b>			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33659	5100
	48/60 V DC, 48 V AC	33660	
	100/130 V AC/DC	MVS15511 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	MVS15512 <input checked="" type="checkbox"/>	
	380/480 V AC	MVS15513 <input checked="" type="checkbox"/>	
<b>Terminal Block</b>			
For drawout circuit breaker		47849	200
<b>Under Voltage Release (MN)</b>			
AC 50/60 Hz DC	24/30 V DC, 24 V AC	33668	5350
	48/60 V DC, 48 V AC	33669	
	100/130 V AC/DC	33670 <input checked="" type="checkbox"/>	
	200/250 V AC/DC	33671 <input checked="" type="checkbox"/>	
	380/480 V AC	33673 <input checked="" type="checkbox"/>	
<b>MN Delay Unit</b>			
AC 50/60 Hz DC	48/60 V AC/DC	33680	7650
	100/130 V AC/DC	33681	
	200/250 V AC/DC	33682	
	380/480 V AC/DC	33683	
	100/130 V AC/DC	33684	7150
	200/250 V AC/DC	33685 <input checked="" type="checkbox"/>	
<b>ON/OFF Indication Contacts (Additional OF contact)</b>			
1 additional block of 4 contacts		47887	4500
<b>Door Interlock (VPECD)/1 part</b>			
On right hand side of chassis		47914 <input checked="" type="checkbox"/>	2500
<b>Operation Counter</b>			
Operation Counter CDM		33895	4860

# Masterpact NT and NW

Phone: +91 9222 666 999  
 Email: shop@shopelect.com  
 Website: www.shopelect.com



**3** sizes



Masterpact NT 630 to 1600A



Masterpact NW 800 to 4000A



Masterpact NW 4000 to 6300A



Micrologic E

Micrologic P

Micrologic H

L1 150kA	■	■	■		
H2 50kA	■	■	■	■	■
H1 42kA	■	■	■	■	■
	NT 06	NT 08	NT 10	NT 12	NT 16

L1 150kA	■	■	■	■	■			
H3 150kA				■	■	■	■	■
H2 100kA	■	■	■	■	■	■	■	■
H1 65kA	■	■	■	■	■	■	■	■
N1 42kA	■	■	■	■	■			
	NW08	NW10	NW12	NW16	NW20	NW25	NW32	NW40

H2 150kA	■	■	■
H1 100kA	■	■	■
	NW 40b	NW 50	NW 63

# Masterpact NT and NW

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 Website: www.shopelect.com

## Selection Guide

Range	Current Rating	Type	Pole	Operating Mechanism	Installation	Protection No.	Type
NW	06	N1	3P	M	F	2.0	E
NT	08	H1	4P	E	DO	5.0	P
	10	H2				6.0	H
	12	H3				7.0	-
	16	H10				0	-
	20	L1					
	25	NA					
	32	HA					
	40	HF					
	40b	HA10					
	50						
63							

		Type	
		E	Energy Parameters
		P	Power Parameters
		H	Harmonics Parameters
		-	Switch Disconnecter
		Protection No.	
		2.0	LI Protection
		5.0	LSI Protection
		6.0	LSIG Protection
		7.0	LSIV Protection
		0	No protection for switch disconnecter
		Type of Installation	
		F	Fixed
		DO	Drawout
		Operating Mechanism	
		M	Manually Operated ACB/SD
		E	Electrically Operated
		MCH + XF + MX	
		Number of Poles	
		3P	3 Poles
		4P	4 Poles
		Breaking Capacity	
		N1	42kA (in NW only upto 1600A)
		H1	42kA (in NT) and 65kA (in NW)
		H2	50kA (in NT) and 100kA (in NW upto 4000A, frame 1)
		H3	150kA (in NW upto 4000A, frame 1)
		H10	available for 1000V NT and NW (upto 4000A, frame 1)
		L1	150kA current limiting breaker (upto 1000A in NT and upto 2000A in NW)
		NA	Switch disconnecter upto 1600A in NW
		HA	Switch disconnecter upto 1600A in NW and NT
		HF	Switch disconnecter upto 4000A in NW
		HA10	Switch disconnecter for 1000V NT
		Current Rating	
		06	630A Available in NT
		08	800A Available in NT and NW
		10	1000A Available in NT and NW
		12	1250A Available in NT and NW
		16	1600A Available in NT and NW
		20	2000A Available in NW
		25	2500A Available in NW
		32	3200A Available in NW
		40	4000A Available in NW
		40b	4000A Available in NW
		50	5000A Available in NW
		63	6300A Available in NW

Example 1: **NW32H14PEDO6.0E**

NW	32	H1	4P	E	DO	6.0	E
Masterpact NW	3200A	65kA	4 Pole	Electrical operated	Drawout	LSIG Protection	Trip unit with Energy Metering

Example 2: **NT08H13PMF6.0P**

NT	08	H1	3P	M	F	6.0	P
Masterpact NT	800A	42kA	3 Pole	Manually operated	Fixed	LSIG Protection	Trip unit with Power Metering

### Micrologic name codes

**2.0 E**  
 X Y Z

#### X: type of protection

- 2 for basic protection
- 5 for selective protection
- 6 for selective + earth-fault protection
- 7 for selective + earth-leakage protection.

#### Y: control-unit generation

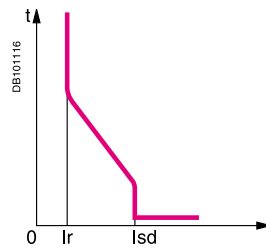
Identification of the control-unit generation.  
 "0" signifies the first generation.

#### Z: type of measurement

- E for "Energy"
- P for "power meter"
- H for "harmonic meter".

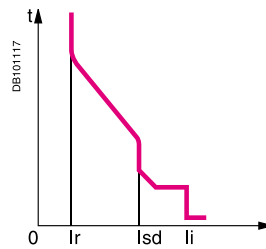
### Current protection

#### Micrologic 2: basic protection



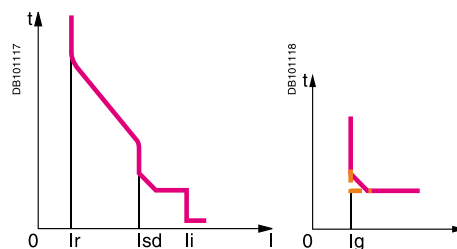
**Protection:**  
 long time  
 + instantaneous

#### Micrologic 5: basic protection



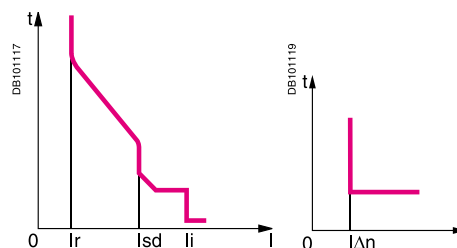
**Protection:**  
 long time  
 + short time  
 + instantaneous

#### Micrologic 6: selective + earth-fault protection



**Protection:**  
 long time  
 + short time  
 + instantaneous  
 + earth fault

#### Micrologic 7: selective + earth-leakage protection



**Protection:**  
 long time  
 + short time  
 + instantaneous  
 + earth leakage up to 3200A

### Measurements and programmable protection

#### E: Energy

- $I_1, I_2, I_3, I_N, I_{\text{earth-fault}}, I_{\text{earth-leakage}}$  and maximeter for these measurements
- fault indications
- settings in amperes and in seconds.
- calculates the current demand value
- "Quickview" function for the automatic cyclical display of the most useful values (as standard or by selection).

#### P: E + power meter + programmable protection

- measurements of V, A, W, VAR, VA, Wh, VARh, VAh, Hz,  $V_{\text{peak}}, A_{\text{peak}}$ , power factor and maximeters and minimeters
- IDMTL long-time protection, minimum and maximum voltage and frequency, voltage and current imbalance, phase sequence, reverse power
- load shedding and reconnection depending on power or current
- measurements of interrupted currents, differentiated fault indications, maintenance indications, event histories and time-stamping, etc.

#### H: P + harmonics

- power quality: fundamentals, distortion, amplitude and phase of harmonics up to the 31st order
- waveform capture after fault, alarm or on request
- enhanced alarm programming: thresholds and actions.

# Micrologic E




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 Website: www.shopelect.com

## Energy efficiency, now within your reach



Micrologic E is a new optimized and affordable trip unit to democratize Energy Efficiency in the high power breakers

Micrologic E control unit across facility can easily help gather, analyze and report data to reveal opportunities, to drive energy efficient behaviour and validate savings from equipment upgrade or process changes.

				
		E 'Energy'	P 'Power'	H 'Harmonics'
Measurement	Current , maximeter	●	●	●
	Voltage, PF, Power, demand, energy	●	●	●
	Cos-φ, frequency, per phase, advanced protection		●	●
	Harmonics, waveform capture, enhanced alarms			●
Protection	2 (L, I)	2.0 E		
	5 (L, S, I)	5.0 E	5.0 P	5.0 H
	6 (L, S, I,G)	6.0 E	6.0 P	6.0 H
	7 (L, S, I, V)		7.0 P	7.0 H

# ATS Kit

Phone: +91 9222 666 999  
Email: shop@shopelect.com  
Website: www.shopelect.com

## Suitable for Masterpact NT/ NW ACB

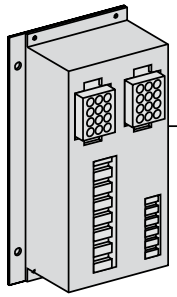
This Kit comprises of :

- > Adaptation fixture & set of two cables for mechanical interlocking
- > IVE unit for Electrical Interlocking
- > ACP control Plate
- > UA/BA controller

\*Note: For ATS with Masterpact NT/NW ACB, order 2 nos. of ACB's with ready to close PF contact + 1 no. ATS Kit



ACP unit



IVE unit



Controller



Mechanical interlocking using cable

Description	Reference	Unit MRP [₹]
ATS Kit for Masterpact NT EDO type with BA 415VAC controller	INA_NTDOB4	93500
ATS Kit for Masterpact NT EDO type with UA 415VAC controller	INA_NTDOU4	99000
ATS Kit for Masterpact NW EDO type with BA 415VAC controller	INA_NWDOB4 <input checked="" type="checkbox"/>	93500
ATS Kit for Masterpact NW EDO type with UA 415VAC controller	INA_NWDOU4 <input checked="" type="checkbox"/>	99000

\*\*ATS Kit with for Fixed Breaker and BA controller with 240VAC, contact our nearest Sales Office

[In] Rated Current	Fixed Manual Reference	Unit LP [₹]	Fixed Electrical Reference	Unit LP [₹]	Draw out Manual Reference	Unit LP [₹]	Draw out Electrical Reference	Unit LP [₹]
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**3 Pole ACB with Thermal Magnetic Release**

(O/L and Short Circuit protection)

800 A	NH800FM1T3P	78860	NH800FE1T3P	124220	NH800DM1T3P	114200	NH800DE1T3P	167240
1000 A	NH1000FM1T3P	81950	NH1000FE1T3P	128060	NH1000DM1T3P	122850	NH1000DE1T3P	172790
1250 A	NH1250FM1T3P	115430	NH1250FE1T3P	162660	NH1250DM1T3P	152400	NH1250DE1T3P	206780
1600 A	NH1600FM1T3P	122370	NH1600FE1T3P	175270	NH1600DM1T3P	171680	NH1600DE1T3P	225700
2000 A	NH2000FM1T3P	140910	NH2000FE1T3P	195910	NH2000DM1T3P	207400	NH2000DE1T3P	263390
2500 A	NH2500FM1T3P	163280	NH2500FE1T3P	218020	NH2500DM1T3P	243620	NH2500DE1T3P	296020
3200 A	NH3200FM1T3P	245960	NH3200FE1T3P	305780	NH3200DM1T3P	324070	NH3200DE1T3P	378820

**4 Pole ACB with Thermal Magnetic Release**

(O/L and short Circuit Protection)

800 A	NH800FM1T4P	102100	NH800FE1T4P	154630	NH800DM1T4P	157460	NH800DE1T4P	215550
1000 A	NH1000FM1T4P	107290	NH1000FE1T4P	159690	NH1000DM1T4P	168950	NH1000DE1T4P	225570
1250 A	NH1250FM1T4P	149430	NH1250FE1T4P	202460	NH1250DM1T4P	210610	NH1250DE1T4P	270440
1600 A	NH1600FM1T4P	160550	NH1600FE1T4P	218770	NH1600DM1T4P	234590	NH1600DE1T4P	291690
2000 A	NH2000FM1T4P	185780	NH2000FE1T4P	242250	NH2000DM1T4P	283530	NH2000DE1T4P	343600
2500 A	NH2500FM1T4P	214940	NH2500FE1T4P	269810	NH2500DM1T4P	336190	NH2500DE1T4P	381050
3200 A	NH3200FM1T4P	304050	NH3200FE1T4P	365230	NH3200DM1T4P	411820	NH3200DE1T4P	457180

**Note:**

- All electrical operated breakers are provided with one closing coil, motor mechanism & one shunt coil as a standard for customer usage (Voltage ratings to be specified by the customer & duly filled in the ACB order form)
- Thermal magnetic ACBs will be fitted with protective releases for O/L and S/C protection. As a standard, thermal magnetic ACBs will be provided with shunt trip coil (Voltage rating as specified by the customer).
- In case EF protection required for Thermal-magnetic ACB, for 3Phase 3 wire system, price of EFR -Z128 to be added to the price of ACB. For 3Phase 4 Wire system price of EFR-Z129 & NCT (Neutral CT) depending on the rating of ACB to be added to the price of ACB.
- All breakers are fitted with 4NO+4NC auxiliary contact block.
- 16 way sliding contacts & Safety Shutter assembly are supplied as standard in drawout breakers.
- In Draw-out ACBs Type 'F' Rear termination is standard for ratings upto 1250A and Type 'V' for 1600 A and above. Both Type 'H' and 'V' termination is available as an option for breakers upto 1250A with additional price as indicated in the next page. For Mixed connection (combination of H & V) up to 1250A and Type 'H' for 1600A and above, please contact our Sales Office.
- All Fixed ACBs will be supplied with Type 'H' termination as standard.

Description	Reference	Unit MRP [₹]
<b>Air Circuit Breakers Accessories</b>		
Micro-switch for S/C trip indication (for TM ACB) (To be specified during ordering)	Z125	1980
Special sliding contact for electrical position indication	Z127	2610
Mechanical counter	Z602	2480
Earth Fault Relay 3Ph 3wire <sup>(1)</sup>	Z128	2610
Earth Fault Relay 3Ph 4wire <sup>(1)</sup>	Z129	2850
Chassis position lock	Z236	2610
Door interlock kit (Fixed ACB)	Z245F	2610
Door interlock kit (Draw-out ACB)	Z245D	2610
Transparent cover for push button locking	ZTCPB	2480
<b>Air Circuit Breakers Accessories Spares (Common for all ratings)</b>		
Floating gasket for escutcheon	Z217	1000
Racking handle	Z204	870
Terminal block-16 way (Aux contact)	Z106A	630
Terminal block - 8 way (for Manual ACB)	Z106B	750
Escutcheon cover <sup>(2)</sup>	Z202	1480
Aux. contact block 4NO+4NC	Z601	1860
Fixed+Moving sliding contact-2Nos.	Z214	630

**Optionals**

Reduction in LP for - 3 Pole Isolators i.e. without protection	Price	Reduction in LP for - 4 Pole Isolators i.e. without protection	Price
<b>Replace 'T' by 'B' in type reference of Thermal magnetic ACB</b>		<b>Replace 'T' by 'B' in type reference of Thermal magnetic ACB</b>	
NH800-1000	3500	NH800-1000	4500
NH1250	7000	NH1250	9000
NH1600 - 2000	8000	NH1600 - 2000	10000
NH2500 - 3200	11000	NH2500 - 3200	14000
<b>Extra price for optional rear connections for NH800/1250A</b>			
<b>Draw-out ACB</b>			
Type 'H' or 'V' connection			4000

(1) Add Suffix B for Base mounting & D for Door mounting.

(2) To be ordered along with ACB order form giving detail specifications



Description	Reference	Unit MRP [₹]
<b>Frame Size: NH 800</b>		
Shutter Assembly - 3 Pole	Z237	2610
Shutter Assembly - 4 Pole	Z240	3220
Arc Chute - set of 3	Z101A3	6050
Arc Chute - set of 4	Z101A4	8160
Fixed Arcing contacts - 3P	Z102A3	4950
Fixed Arcing contacts - 4P	Z102A4	6560
Moving Arcing contacts - 3P	Z103A3	4950
Moving Arcing contacts - 4P	Z103A4	6560
Floating Isolating contacts <sup>(1)</sup> - set of 3	Z201AA3	8030
Floating Isolating contacts <sup>(1)</sup> - set of 4	Z201AA4	10890
<b>CTs for Thermal overload relay - 3Nos.</b>		
400A	ZCT01	3580
630A	ZCT02	
800A	ZCT03	
<b>NCT for Thermal-magnetic Release - 1No.</b>		
400-630-800A	ZNCT11	1860
Phase barriers - 3P	Z211B3	1110
Phase barriers - 4P	Z211B4	1480
<b>Frame Size: NH 1000 - 1250</b>		
Shutter Assembly - 3 Pole	Z237	2610
Shutter Assembly - 4 Pole	Z240	3220
Arc Chute - set of 3	Z101A3	6050
Arc Chute - set of 4	Z101A4	8160
Fixed Arcing contacts - 3P	Z102A3	4950
Fixed Arcing contacts - 4P	Z102A4	6560
Moving Arcing contacts - 3P	Z103A3	4950
Moving Arcing contacts - 4P	Z103A4	6560
Floating Isolating contacts <sup>(1)</sup> - set of 3	Z201A3	8030
Floating Isolating contacts <sup>(1)</sup> - set of 4	Z201A4	10890
<b>CTs for Thermal overload relay - 3Nos.</b>		
800A	ZCT11	3840
1000A	ZCT12	
1250A	ZCT13	
<b>NCT for Thermal-magnetic - 1No.</b>		
800-1000-1250A	ZNCT12	1860
Phase barriers - 3P	Z211B3	1110
Phase barriers - 4P	Z211B4	1480

Description	Reference	Unit MRP [₹]
<b>Frame Size: NH 1600 - 2000</b>		
Shutter Assembly - 3 Pole	Z238	2970
Shutter Assembly - 4 Pole	Z241	3840
Arc Chute - set of 3	Z101B3	8280
Arc Chute - set of 4	Z101B4	9890
Fixed Arcing contacts - 3P	Z102B3	9650
Fixed Arcing contacts - 4P	Z102B4	12860
Moving Arcing contacts - 3P	Z103B3	9650
Moving Arcing contacts - 4P	Z103B4	12860
Floating Isolating contacts <sup>(1)</sup> - set of 3	Z201B3	12990
Floating Isolating contacts <sup>(1)</sup> - set of 4	Z201B4	18920
<b>CTs for Thermal overload relay - 3Nos.</b>		
1600A	ZCT21	3950
2000A	ZCT22	
<b>NCT for Thermal-magnetic - 1No.</b>		
1600 - 2000A	ZNCT13	2480
Phase barriers - 3P	Z211C3	1110
Phase barriers - 4P	Z211C4	1480
<b>Frame Size: NH 2500 - 3200</b>		
Shutter Assembly - 3 Pole	Z239	4200
Shutter Assembly - 4 Pole	Z242	5570
Arc Chute - set of 3	Z101C3	14090
Arc Chute - set of 4	Z101C4	19650
Fixed Arcing contacts - 3P	Z102C3	14340
Fixed Arcing contacts - 4P	Z102C4	18790
Moving Arcing contacts - 3P	Z103C3	14340
Moving Arcing contacts - 4P	Z103C4	18790
Floating Isolating contacts <sup>(1)</sup> - set of 3	Z201C3	20780
Floating Isolating contacts <sup>(1)</sup> - set of 4	Z201C4	26960
<b>CTs for Thermal overload relay - 3Nos.</b>		
2500A	ZCT31	4200
3200A	ZCT32	
<b>NCT for Thermal-magnetic - 1No.</b>		
2500 - 3200A	ZNCT14	2850
Phase barriers - 3P	Z211D3	1110
Phase barriers - 4P	Z211D4	1480

1. Floating isolating contacts are to be used only with Draw-out ACBs.

**Note:** For all other spares and after-sales requirement, please contact our Customer Service Department or Sales Office

Description	Reference	Unit MRP [₹]
<b>Instantaneous U/V Release</b>		
24/30V	ZMN24/30	5810
48/60V	ZMN48/60V-ACDC	
100/130V	ZMN100/130	
200/250V	ZMN200/250 <input checked="" type="checkbox"/>	
380/480V	ZMN380/480 <input checked="" type="checkbox"/>	
<b>Time delay unit for U/V Release</b>		
48/60V AC,DC	ZMNR48/60V-ACDC	8900
100/130V AC,DC	ZMNR110/130V-ACDC	
200/250V AC,DC	ZMNR200/250V-ACDC	
380/480V AC,DC	ZMNR380/480V-ACDC	
<b>Shunt trip coil</b>		
12V DC	ZMX112VDC	5690
24/30V ACDC	ZMX124/30	
48/60V ACDC	ZMX1-48/60V-ACDC	
100/130V ACDC	ZMX1100/130	
200/250V ACDC	ZMX1200/250 <input checked="" type="checkbox"/>	
277V ACDC	ZMX1-277V-ACDC	
380/480V ACDC	ZMX1380/480	
<b>Additional Shunt trip coil</b>		
12V DC	ZMX212VDC	5810
24/30V ACDC	ZMX2-24/30V-ACDC	
48/60V ACDC	ZMX2-48/60V-ACDC	
100/130V ACDC	ZMX2-100/130V-ACDC	
200/250V ACDC	ZMX2-200/250V-ACDC	
277V ACDC	ZMX2-277V-ACDC	
380/480V ACDC	ZMX2-380/480V-ACDC	
<b>Closing coil</b>		
12VDC	ZXF12V-DC	5690
24/30V ACDC	ZXF24/30	
48/60V ACDC	ZXF48/60V-ACDC	
100/130V ACDC	ZXF100/130V-ACDC	
200/250V ACDC	ZXF200/250V-ACDC	
277V ACDC	ZXF277V-ACDC	
380/480V ACDC	ZXF380/480V-ACDC	
<b>RS relay for time delayed S/C in Thermal - Magnetic ACB (40ms fixed) AC input</b>		
240V AC base mtg.	Z123B	2970
240V AC door mtg.	Z123D	
<b>RS relay for time delayed S/C in Thermal - Magnetic ACB (40~460ms adjustable) AC input</b>		
110V AC base mtg.	ZRSB-110VAC	4340
240V AC base mtg.	ZRSB-240VAC	
415V AC base mtg.	ZRSB-415VAC	
24V DC base mtg.	ZRSB-24VDC	
48V DC base mtg.	ZRSB-48VDC	
110V DC base mtg.	ZRSB-110VDC	
220V DC base mtg.	ZRSB-220VDC	
110V AC door mtg.	ZRSD-110VAC	
240V AC door mtg.	ZRSD-240VAC	
415V AC door mtg.	ZRSD-415VAC	
24V DC door mtg.	ZRSD-24VDC	
48V DC door mtg.	ZRSD-48VDC	
110V DC door mtg.	ZRSD-110VDC	
220V DC door mtg.	ZRSD-220VDC	

Description	Reference	Unit MRP [₹]
<b>AC/DC Electrical Charging motor</b>		
24/30V DC	ZMCH24/30DC	34610
48/60V DC	ZMCH48/60DC	
100/125V DC	ZMCH100/125DC	
200/250V DC	ZMCH200/250DC	
100/130V AC	ZMCH100/130AC	
200/240V AC	ZMCH200/240AC <input checked="" type="checkbox"/>	
277V AC	ZMCH277AC	
380/415V AC	ZMCH380/415AC	
400/440V AC	ZMCH400/440AC	
480V AC	ZMCH480AC	
<b>Castell lock with key</b>		
Letter A	Z244CA <input checked="" type="checkbox"/>	2480
Letter B	Z244CB	
Letter C	Z244CC	
Letter -B	Z244C-B	
Letter C-	Z244CC-	
Letter AB	Z244CAB	
Letter CB	Z244CCB	
Letter CD	Z244CCD	
Letter -D	Z244C-D	
Letter A-	Z244CA-	
<b>Padlock for locking in OFF position</b>		
Letter A	Z244PCA	2970
Letter B	Z244PCB	
Letter C	Z244PCC	
Letter -B	Z244PC-B	
Letter C-	Z244PCC-	
Letter AB	Z244PCAB	
Letter CB	Z244PCCB	
Letter CD	Z244PCCD	
Letter -D	Z244PC-D	
Letter A-	Z244PCA-	

**Note:** ZMX1 is mandatory for thermal magnetic ACB. ZMX2 is optional.



For Low Voltage Circuit Control and Isolation - Incomers for Distribution Boards

- Conforms to IEC 60947-3/IS 13947 - 3
- Rated operational voltages 500V/690V
- Rated operational current @ AC 23A
- No deration upto 60° C
- Positive contact indication
- Common accessories with Compact NSX/single auxiliary contact
- Making capacity enhanced with Compact NSX upstream

Pole Description	Rated Operational Current	Reference	Unit MRP [₹]
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### Interpact Range of Switch Disconnectors

3-Pole	40 AAC-23A	28900	3800
	63 AAC-23A	28902	4650
	100 AAC-23A	28908	5500
	125 AAC-23A	28910	5850
	160 AAC-23A	28912	6650
	200 AAC-23A	31102	10550
	250 AAC-23A	31106	11150
	320 AAC-23A	31108	17450
	400 AAC-23A	31110	18150
	630 AAC-23A	31114	22650
4-Pole	40 AAC-23A	28901	4200
	63 AAC-23A	28903	5000
	100 AAC-23A	28909	5850
	125 AAC-23A	28911	6550
	160 AAC-23A	28913	7250
	200 AAC-23A	31103	11750
	250 AAC-23A	31107	12350
	320 AAC-23A	31109	21700
	400 AAC-23A	31111	20500
	630 AAC-23A	31115	24550

### Interpact Changeover Systems (complete assembly)

3-Pole	100 AAC-23A	31140	25150
	160 AAC-23A	31144	27400
	200 AAC-23A	31142	30100
	250 AAC-23A	31146	30950
	320 AAC-23A	31148	51200
	400 AAC-23A	31150	54650
	630 AAC-23A	31154	58400
4-Pole	100 AAC-23A	31141	28700
	160 AAC-23A	31145	31400
	200 AAC-23A	31143	35550
	250 AAC-23A	31147	36750
	320 AAC-23A	31149	55850
	400 AAC-23A	31151	60550
	630 AAC-23A	31155	66000

Description	Reference	Unit MRP [₹]
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### Accessories

Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	31050	3350
Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector)	31052	4750
Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)	28941	1700
6 phase separators - INS100..160	28959	650
6 phase separators - INS250	29329	500
6 phase separators - INS400..630	32570	1000

- Complete Range from 32 to 630A in TP, TP+N & FP version suitable for DIN/BS fuses.
- 4 breaks and 8 arcing points
- IP20 Fuse Protection Cover is standard
- Higher Mechanical and Electrical life.

## Without Enclosure

Rated Operational Current	Poles Description	DIN Type Reference	Unit MRP [₹]	BS Type Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDI <input checked="" type="checkbox"/>	1930	NX032TPNBS <input checked="" type="checkbox"/>	1800
63 A	3P + N	NX063TPNDI <input checked="" type="checkbox"/>	2700	NX063TPNBS <input checked="" type="checkbox"/>	2570
80 A	3P + N	NX080TPNDI <input checked="" type="checkbox"/>	5540	NX080TPNBS	5270
100 A	3P	NX100TPXDI	5010	NX100TPXBS	4500
	3P + N	NX100TPNDI <input checked="" type="checkbox"/>	5660	NX100TPNBS <input checked="" type="checkbox"/>	5460
	4P	NX100FPXDI	5660	NX100FPXBS	5540
125 A	3P	NX125TPXDI <input checked="" type="checkbox"/>	5540	NX125TPXBS	5270
	3P + N	NX125TPNDI <input checked="" type="checkbox"/>	7460	NX125TPNBS <input checked="" type="checkbox"/>	7070
	4P	NX125FPXDI	8110	NX125FPXBS	7960
160 A	3P	NX160TPXDI	6820	NX160TPXBS	6680
	3P + N	NX160TPNDI <input checked="" type="checkbox"/>	8230	NX160TPNBS <input checked="" type="checkbox"/>	7460
	4P	NX160FPXDI	8880	NX160FPXBS	8490
200 A	3P	NX200TPXDI	7200	NX200TPXBS	7000
	3P + N	NX200TPNDI <input checked="" type="checkbox"/>	9650	NX200TPNBS <input checked="" type="checkbox"/>	9000
	4P	NX200FPXDI	10160	NX200FPXBS	9770
250 A	3P	NX250TPXDI	9650	NX250TPXBS	9390
	3P + N	NX250TPNDI <input checked="" type="checkbox"/>	12220	NX250TPNBS <input checked="" type="checkbox"/>	11700
	4P	NX250FPXDI	13500	NX250FPXBS	13240
315 A	3P	NX315TPXDI	11450	NX315TPXBS	11180
	3P + N	NX315TPNDI <input checked="" type="checkbox"/>	14910	NX315TPNBS <input checked="" type="checkbox"/>	14790
	4P	NX315FPXDI	14910	NX315FPXBS	15560
400 A	3P	NX400TPXDI	14020	NX400TPXBS	15560
	3P + N	NX400TPNDI <input checked="" type="checkbox"/>	18000	NX400TPNBS <input checked="" type="checkbox"/>	16960
	4P	NX400FPXDI	17750	NX400FPXBS	19290
630 A	3P	NX630TPXDI	22630	NX630TPXBS	24430
	3P + N	NX630TPNDI <input checked="" type="checkbox"/>	28030	NX630TPNBS <input checked="" type="checkbox"/>	26110
	4P	NX630FPXDI	28410	NX630FPXBS	30990

## With Enclosure Ref. DIN Type

Rated Operational Current	Poles Description	Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDIE	4110
63 A	3P + N	NX063TPNDIE <input checked="" type="checkbox"/>	5010
80 A	3P + N	NX080TPNDIE	7960
100 A	3P + N	NX100TPNDIE	8230
125 A	3P + N	NX125TPNDIE	10030
160 A	3P + N	NX160TPNDIE	10800
200 A	3P + N	NX200TPNDIE	12610
250 A	3P + N	NX250TPNDIE	16580
315 A	3P + N	NX315TPNDIE	20450
400 A	3P + N	NX400TPNDIE	23140
630 A	3P + N	NX630TPNDIE	35750

**Note:** For Fuses, please contact our nearest Sales Office.

## Accessories/Spares

Description	Reference	Unit MRP [₹]
<b>NX032/NX063/NX080</b>		
Auxiliary contact for Fupact	NXAA11 <input checked="" type="checkbox"/>	440
Fuse holder for DIN NX032...NX080	NXHD1	170
Handle operating mechanism (HOM) NX032...NX080	NXR1 <input checked="" type="checkbox"/>	320
HOM shaft for NX/32/63/80	NXRS1	190
<b>NX100/NX125/NX160</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	510
Fuse holder DIN for BS type NX100...NX160	NXHB21	150
Fuse holder DIN for NX100...NX160	NXHD21	170
Handle operating mechanism NX100...NX160	NXR2 <input checked="" type="checkbox"/>	750
Shaft for HOM for NX100...NX160	NXRS2	190
<b>NX200</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	510
Fuse holder for BS type NX200	NXHB22	160
Fuse holder for DIN NX200	NXHD22	190
Handle operating mechanism NX200	NXR2 <input checked="" type="checkbox"/>	750
Shaft for HOM for NX200	NXRS2A	250
<b>NX250/315/400</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	510
Handle operating mechanism for NX250...NX400	NXR3	750
Shaft for HOM for NX250...NX400	NXRS3	250
<b>NX250/315/400</b>		
Auxiliary contact for Fupact	NXBA11 <input checked="" type="checkbox"/>	510
Handle operating mechanism for NX630	NXR4	800
Shaft for HOM for NX630	NXRS4	250

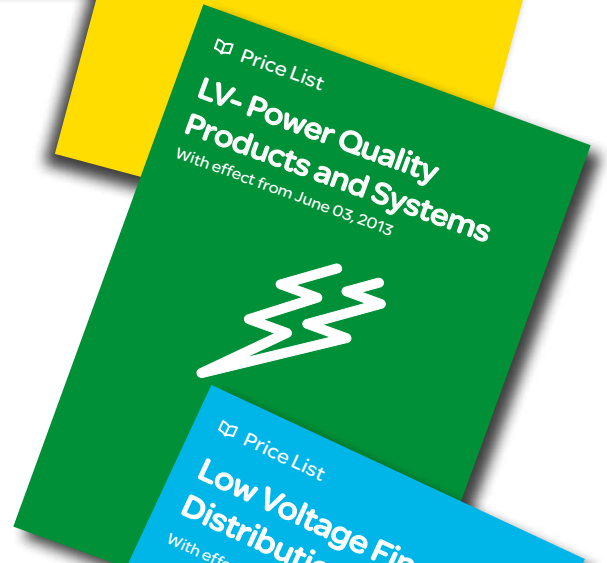
### AC MCCB

#### Fixed Thermal Magnetic Trip Unit (TMD)

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
10kA	110A	NKS160R110AC3P	3600
	125A	NKS160R125AC3P <input checked="" type="checkbox"/>	
	140A	NKS160R140AC3P	3800
	150A	NKS160R150AC3P <input checked="" type="checkbox"/>	
	160A	NKS160R160AC3P <input checked="" type="checkbox"/>	
	175A	NKS200R175AC3P <input checked="" type="checkbox"/>	5000
	200A	NKS200R200AC3P <input checked="" type="checkbox"/>	

**Note:**

- Above MCCBs available at Retail outlet
- Accessories for EasyPact NKS are same as Simpack NKS, for selection refer page 33



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Email: shop@shopelect.com  
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Monday-Saturday, 9 a.m. to 8 p.m.

Toll-free numbers: 1800 180 1707, 1800 103 0011

General number: 0124 3940400

Email: [Customercare.in@schneider-electric.com](mailto:Customercare.in@schneider-electric.com)

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