Price List

Low Voltage Distribution Products

With effect from May 01, 2012



Schneider Electric

Contents

- Prisma iPM: A range of Kit based LV panels 1
- EasyPact CVS Range Overview 3
- EasyPact CVS MCCBs for Distribution Network 5
- EasyPact CVS MA Range Overview 7
- EasyPact CVS MA Co-ordination Table 8
- Unique Modular Ground Fault Protection 9
- Earth Leakage Protection 10
- EasyPact CVS Accessories 11
- Compact NSX Range Overview 13
- Compact NSX MCCBs for Distribution Network 16
- Compact NSX MCCBs for Motor Protection 19
- Compact NSX Accessories 21
- Vigirex - Earth Leakage Protection Relay 24
- Compact NSX Automatic Source Changeover System 25
- ATS Kit range 27
- MCCBs for DC Network Protection 28
- Compact NS Range Overview 29
- Compact NS MCCBs above 630A Manual Fixed 30
- Compact NS MCCBs above 630A Electrical Fixed 32
- Compact NS Accessories 34
- Easypact EZC MCCBs for Distribution Network 35
- Easypact EZC Accessories and Main Busbar 36
- Simpact NKS MCCBs for Distribution Network 37
- Simpact NKS Accessories 38
- Masterpact NT/NW ACBs 39
- Micrologic E Range Overview 42
- Masterpact MVS Selection Guide 43
- Masterpact ET/ETA Trip System 44
- Masterpact MVS Draw-out type ACBs 45
- Masterpact MVS Accessories 47
- Enerpact ACBs - NH Series 48
- Enerpact ACBs - Accessories & Spares 50
- Interpact Switch Disconnectors 52
- Fupact Switch Disconnector and Accessories 53

Introducing...

Prisma iPM

Pre-Designed Low Voltage Distribution System



A prefabricated, modular, unique kit solution:

- Optimized, tested and compliant with IEC 61439-1 & 2.
- Fully integrates Schneider Electric switchgear offerings

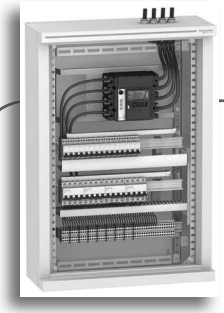
Give your business a new dimension with

Prisma iPM:



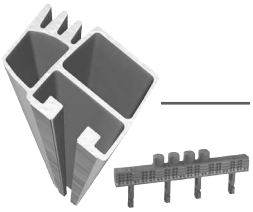
Standardized & tested switchboard

- 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

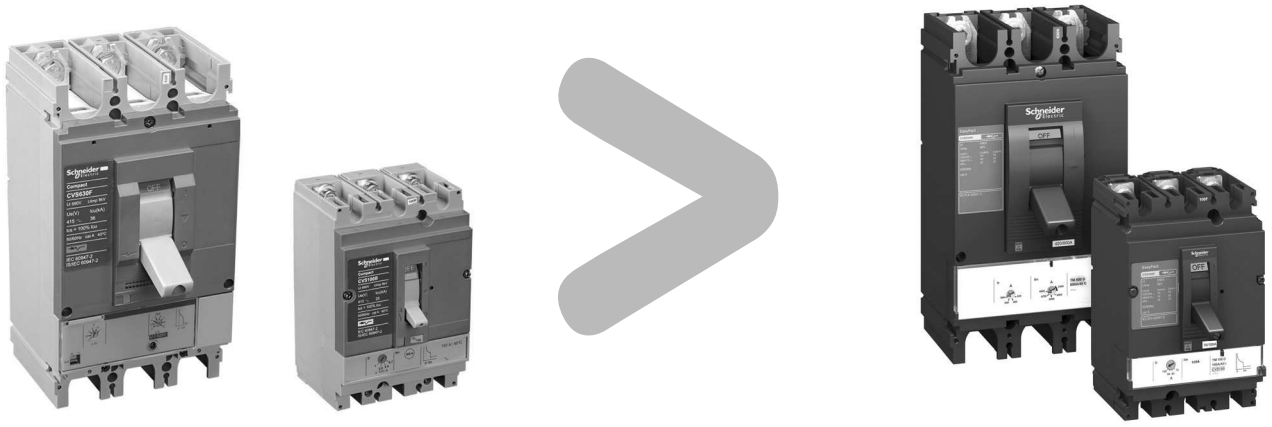
Improved continuity of service

Safety and durability

High long-term profitability

Note: For more information please contact your nearest Sales Office.

Compact CVS is now EasyPact CVS



Compact CVS becomes an International offer as EasyPact CVS with

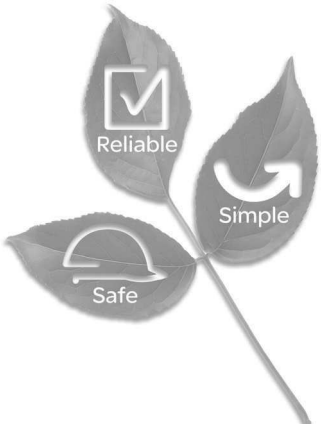
- More Functionalities/ Benefits
- Wide Range
- Same accessories of Compact NSX
- Environmental Friendly
- Enhanced performance

* For Compact CVS Prices, Please contact our nearest Sales Office

EasyPact CVS

Easy Choice for Quality and Value





- 16A - 800A, 3P & 4P
- Only three frame sizes
- Complete Range Ics=100% Icu
- 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						
F 36kA						
B 25kA						

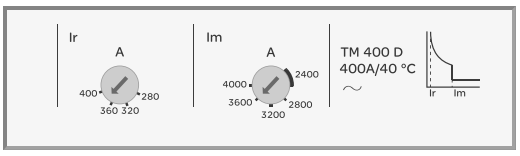
*** 100 - 630A**
**** 35kA for Eaypact CVS 800A**

Type of Trip Units

Thermal Magnetic Trip Unit

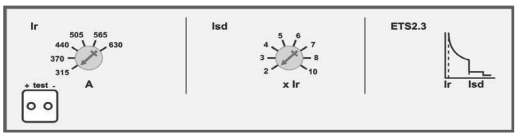


Available from 16A to 250A
Overload setting (Ir): 0.7-1xIn NEW
Protection settings in absolute current value NEW
Sealable transperant cover on trip unit NEW



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

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 NEW

Moulded Case Circuit Breakers for Distribution Network

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 [₹]
EasyPact CVS 100 to 630A					
25 kA	16A	LV510300 ☑	5400	LV510310 ☑	7900
	25A	LV510301 ☑		LV510311 ☑	
	32A	LV510302 ☑		LV510312 ☑	
	40A	LV510303 ☑		LV510313 ☑	
	50A	LV510304 ☑		LV510314 ☑	
	63A	LV510305 ☑		LV510315 ☑	
	80A	LV510306 ☑		LV510316 ☑	
	100A	LV510307 ☑		LV510317 ☑	
	125A	LV516302 ☑	8650	LV516312 ☑	9850
	160A	LV516303 ☑	11750	LV516313 ☑	13550
	200A	LV525302 ☑	15300	LV525312 ☑	19150
	250A	LV525303 ☑	18450	LV525313 ☑	22000
36 kA	16A	LV510330 ☑	7750	LV510340 ☑	10300
	25A	LV510331 ☑		LV510341 ☑	
	32A	LV510332 ☑		LV510342 ☑	
	40A	LV510333 ☑		LV510343 ☑	
	50A	LV510334 ☑		LV510344 ☑	
	63A	LV510335 ☑		LV510345 ☑	
	80A	LV510336 ☑		LV510346 ☑	
	100A	LV510337 ☑		LV510347 ☑	
	125A	LV516332 ☑	9050	LV516342 ☑	10250
	160A	LV516333 ☑	12450	LV516343 ☑	14050
	200A	LV525332 ☑	18100	LV525342 ☑	20750
	250A	LV525333 ☑	19600	LV525343 ☑	24050
	320A	LV540305 ☑	24100	LV540308 ☑	30000
	400A	LV540306 ☑		LV540309 ☑	
	500A	LV563305 ☑	28200	LV563308 ☑	35150
	630A*	LV563306 ☑		LV563309 ☑	
50 kA	320A	LV540315 ☑	25850	LV540318 ☑	32300
	400A	LV540316 ☑		LV540319 ☑	
	500A	LV563315 ☑	30850	LV563318 ☑	38550
	630A*	LV563316 ☑		LV563319 ☑	

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 ☑	41300	LV580301 ☑	44600
50 kA	800A	LV580302 ☑	43300	LV580303 ☑	50150

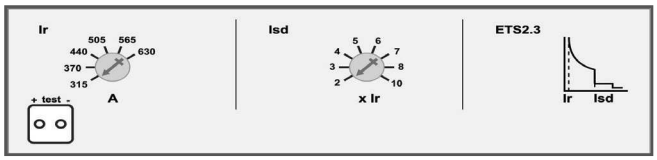
* 630A @ 30°C & 600A @ 40°C for TMD 630A MCCB

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Schneider Electric

With Electronic Trip Unit ETS2.3



- 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 [₹]
EasyPact CVS 400 to 630A					
36 kA	400A	LV540505 ☑	27900	LV540506 ☑	32850
	630A	LV563505 ☑	30400	LV563506 ☑	39850
50 kA	400A	LV540510 ☑	29150	LV540511 ☑	36600
	630A	LV563510 ☑	32250	LV563511 ☑	42000

EasyPact CVS MA

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

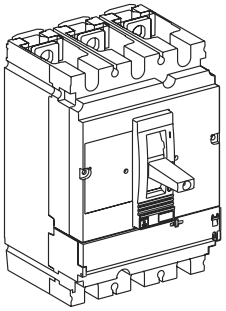
EasyPact CVS MA 2.5 - 500A 50kA

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	7050
	6.3A	LV510451	7050
	12.5A	LV510452	7050
	25A	LV510453	9050
	50A	LV510454	9050
	100A	LV510455	9050
	150A	LV516451	12400
	200A	LV525442	15450
	320A	LV540552	26500
	500A	LV563552	30900

Co-ordination Table (IEC 60947-4-1) 415V

Performance “Iq” (kA):	415V
Circuit breaker	**“N”**
CVS100 - CVS250	**50**
CVS400 - CVS630	**50**

Starting : DOL normal LRD class 10 A, LR9 class 10

EasyPact CVS								Type 1			Type 2				
Motor Rating kW	I(A) 380V	I(A) 415V	Ie max	type	cal (A)	setting	Irm (A)	Contactor	O/L	Thermal Range Irth	Contactor	O/L	Thermal Range Irth	Iq kA	Ir kA
0.37	1.2	1.1	1.6	CVS100-MA	2.5	6..13	22.5	LC1E06	LRE06	1..1,6	LC1E09	LRE06 (3)	1..1,6	50	1
0.55	1.6	1.5	1.6	CVS100-MA	2.5	6..14	32.5	LC1E06	LRE06	1..1,6	LC1E09	LRE06 (3)	1..1,6	50	1
0.75	2	1.8	2.5	CVS100-MA	2.5	6..14	32.5	LC1E06	LRE07	1,6..2,5	LC1E09	LRE07 (3)	1,6..2,5	50	1
1.1	2.8	2.6	4	CVS100-MA	6.3	6..14	57	LC1E06	LRE08	2,5..4	LC1E32	LRE08 (3)	2,5..4	50	1
1.5	3.7	3.4	4	CVS100-MA	6.3	6..14	57	LC1E06	LRE08	2,5..4	LC1E32	LRE08 (3)	2,5..4	50	1
2.2	5.3	4.8	6	CVS100-MA	6.3	6..14	82	LC1E06	LRE10	4..6	LC1E32	LRE10 (3)	4..6	50	1
3	7	6.5	8	CVS100-MA	12.5	6..14	113	LC1E09	LRE12	5,5..8	LC1E80	LRE12 (1)(3)	5,5..8	50	1
4	9	8.2	10	CVS100-MA	12.5	6..14	138	LC1E09	LRE14	7..10	LC1E80	LRE14 (1)(3)	7 ..10	50	1
5.5	12	11	12.5	CVS100-MA	12.5	6..14	163	LC1E12	LRE16	9..13	LC1E80	LRE16 (1)(3)	9..13	50	1
7.5	16	14	18	CVS100-MA	25	6..14	250	LC1E18	LRE21	16..24	LC1E80	LRE21 (1)(3)	12..18	50	3
10	21	19	25	CVS100-MA	25	6..14	325	LC1E25	LRE22	16..24	LC1E80	LRE322 (2)(3)	17..25	50	3
11	23	21	25	CVS100-MA	25	6..14	325	LC1E25	LRE22	16..24	LC1E80	LRE322 (2)(3)	17..25	50	3
15	30	28	32	CVS100-MA	50	6..14	450	LC1E32	LRE32	23..32	LC1E80	LRE353 (2)(3)	23..32	50	3
18.5	37	34	40	CVS100-MA	50	6..14	550	LC1E40	LRE355	30..40	LC1E80	LRE355 (2)(3)	30..40	50	3
22	43	40	50	CVS100-MA	50	6..14	650	LC1E50	LRE357	37..50	LC1E80	LRE357 (2)	37..50	50	3
30	59	55	63	CVS100-MA	100	6..14	900	LC1E65	LRE359	48..65	LC1E120	LRE480	51..81	50	3
37	72	66	100	CVS100-MA	100	6..14	1100	LC1E80	LRE363	63..80	LC1E120	LRE481	62..99	50	5
45	85	80	100	CVS100-MA	100	6..14	1300	LC1E95	LRE481	62..99	LC1E120	LRE481	62..99	50	5
55	105	100	135	CVS160-MA	150	9..14	1500	LC1E120	LRE482	84..135	LC1E160	LRE482	84..135	50	5
75	140	135	150	CVS160-MA	150	9..14	1950	LC1E200	LRE483	124..198	LC1E160	LRE483	124..198	50	10
90	170	160	185	CVS250-MA	220	9..14	2420	LC1E200	LRE484	146..234	LC1E250	LRE484	146..234	50	10
110	210	200	220	CVS250-MA	220	9..14	2860	LC1E200	LRE484	146..234	LC1E250	LRE484	146..234	50	10
			265	CVS400-MA	320	6..13	3500	LC1E250	LRE484	146..234	LC1E300	LRE485	174..279	50	10
132	250	230	265	CVS400-MA	320	6..13	3500	LC1E300	LRE485	174..279	LC1E300	LRE485	174..279	50	10
160	300	270	315	CVS400-MA	320	6..13	4160	LC1E300	LRE486	208..333	LC1E300	LRE486	208..333	50	10
200	380	361	400	CVS630-MA	500	6..13	5700	LC1F400	LR9-F73 79	300..500	LC1F500	LR9-F73 79	300..500	50	18
220	420	380	500	CVS630-MA	500	6..13	6500	LC1F500	LR9-F73 79	300..500	LC1F500	LR9-F73 79	300..500	50	18
250	460	430	500	CVS630-MA	500	6..13	6500	LC1F500	LR9-F73 79	300..500	LC1F500	LR9-F73 79	300..500	50	18

(1) Separate mounting with LAEB1 terminal block

(2) Separate mounting with LAEB3 terminal block

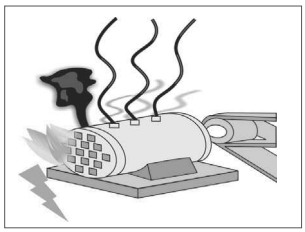
(3) Type 1 for O/L relay

Unique Modular Ground Fault Protection

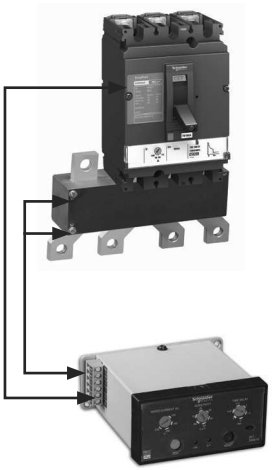
Earth Fault Protection for EasyPact CVS/ Compact NSX MCCBs

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

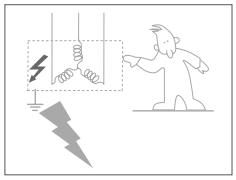


MCCB Frame	Relay Module rated current	3 Ph + 3W Reference	Unit MRP [₹]	3 Ph + 4W Reference	Unit MRP [₹]
CVS/NSX100	32, 40, 50, 63, 80, 100	GFP11CT13P ☑	4370	GFP11CT14P ☑	4780
CVS/NSX 160 / 250	125, 160, 200, 250	GFP12CT23P ☑	4990	GFP12CT24P ☑	5620
CVS/NSX 400 / 630	400, 630	GFP13CT33P ☑	7490	GFP13CT34P ☑	8220
CVS 800	800	GFP14CT43P ☑	9260	GFP14CT44P ☑	10400

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 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 (1) Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
CVS/NSX - 100/160	ME	LV429212	10400	LV429213	11200
CVS/NSX - 100/160	MH	LV429210 ☑	15000	LV429211	15500
CVS/NSX - 250	MH	LV431535 ☑	17500	LV431536	17900
CVS/NSX - 400/630	MB	LV432455	43400	LV432456	45200

ME Type	MH Type	MB Type
• Sensitivity - 300mA (fixed) • Instantaneous time delay • Fixed <40ms	• Sensitivity - adjustable • 30mA - 300mA-1A-3A-10A • Instantaneous time delay(ms) • 0 - 60 (2) - 150 (2) - 310(2)	• Sensitivity - adjustable • 300mA-1A-3A-10A -30A • Instantaneous time delay (ms) • 0 - 60 - 150 - 310

(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 [₹]
CVS/NSX 100- 250A				
220 to 440V AC	LV429459	12200	LV429460	13160
Connection for a 4P insulation monitoring module on a 3P breaker	-	-	LV429214	5030
CVS/NSX 400- 630A				
220 to 440V AC	LV432659	19370	LV432660	21600
Connection for a 4P insulation monitoring module on a 3P breaker	-		LV432457	14230

Accessories for EasyPact CVS 100 - 630A







Auxiliary Contacts (Changeover) Multifunction

Description	Reference	Unit MRP [₹]
OF or SD or SDE or SDV	29450 ☑	780
OF or SD or SDE or SDV low level	29452	850
SDE adapter for trip unit TM or MA or ETS 2.3 $$	LV429451 ☑	600
$$: 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 [₹]
AC				
24 V 50/60 Hz	LV429384 ☑	1900	LV429404	2450
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 ☑		LV429406 ☑	
220-240 V 50/60 Hz	LV429387 ☑		LV429407 ☑	
380-415 V 50 Hz	LV429388 ☑		LV429408 ☑	
525 V 50 Hz	LV429389		LV429409	
DC				
12 V	LV429382	1900	LV429402	2450
24 V	LV429390 ☑		LV429410 ☑	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393 ☑		LV429413	
250 V	LV429394 ☑		LV429414 ☑	

Rotary Handles

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Direct rotary handles				
Standard black handle	LV429337 ☑	990	LV432597 ☑	1500
Standard extended rotary handle				
Standard extended rotary handle	LV429338 ☑	1590	LV432598 ☑	2900

Installation Accessories

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Spreaders & Phase Barrier				
Spreaders (Set of 3) 3P	LV431563 ☑	470	32492 ☑	1200
Spreaders (Set of 4) 4P	LV431564 ☑	580	32493 ☑	1550
Phase Barrier (Set of 6)	*		LV432570 ☑	620
Interlocking				
For Breaker with Rotary Handle	LV429369	7750	LV432621	9450
For Breaker with Toggle	LV429354	7750	LV432614	9450
Mechanical Interlocking with Base Plate	29349**	14000	32609**	20000
Locking of Rotary Handle				
Locking Device	LV429344 ☑	470	LV432604 ☑	630
Ronis Keylock (1 Lock + 1 Key set)	41940 ☑	2400	41940 ☑	2400
Ronis Keylock (2 Locks + 1 Key set)	41950 ☑	4800	41950 ☑	4800
Profalux Keylock (1 Lock + 1 Key set)	42888 ☑	2400	42888 ☑	2400
Profalux Keylock (2 Locks + 1 Key set)	42878	4800	42878	4800

* supplied as standard with spreader

** 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. May 01, 2012

Schneider Electric

Auxiliary/Alarms contacts

Description	Reference	Unit MRP [₹]
Auxiliary Switch 1 C/O	LV580075 ☑	1000
Auxiliary Switch 2 C/O	LV580076 ☑	1000
Alarm Switch 1 C/O	LV580077 ☑	900
Alarm Switch 2 C/O	LV580078	1100
Alarm Auxilary Contact	LV580079 ☑	1400

Voltage Releases

Description	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
AC				
110-130 V 50/60 Hz	LV580060	1900	LV580070	2400
220-240 V 50/60 Hz	LV580061 ☑		LV580071 ☑	
380-415 V 50 Hz	LV580062 ☑		LV580072 ☑	
440 V	LV580063		-	-
DC				
24 V	LV580064	1900	-	-
48 V	LV580065		-	-
110 V	LV580066		-	-
220 V	LV580067		-	-

Rotary Handles

Description	800A Reference	Unit MRP [₹]
Direct rotary handles		
Standard black handle	LV580080 ☑	900
Standard extended rotary handle		
Standard extended rotary handle	LV580081 ☑	1500

Compact NSX Range Overview



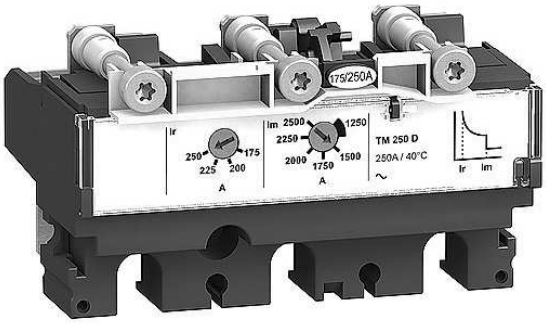
- 16A - 630A, 3P, 4P & 2P (3P Frame)
- Two frame size
- Voltage Rating upto 690V
- Isolation with Positive Break Indication

Breaking Capacity
Ics=100% Icu
@380/415V

	NSX100	NSX160	NSX250	NSX400	NSX630
L 150kA					
S 100kA			NEW		
H 70kA					
N 50kA					
F 36kA					
B 25kA		NEW			

Type of Trip Units

Thermal Magnetic Trip Unit



Available from 16A - 250A

Overload Setting (Ir) 0.7 - 1 x In (New)

Short Circuit Setting (Im)

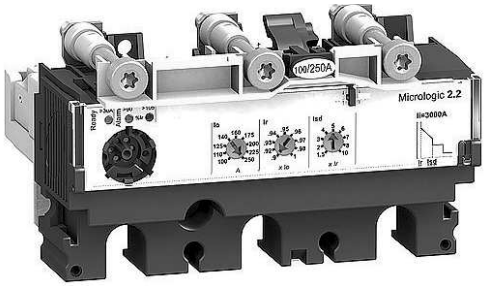
Fixed upto 160A

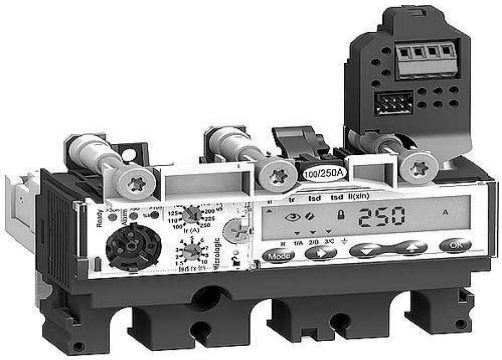
Adjustable 5 - 10 x Ir (for 200A - 250A)

Micrologic Trip Units (ASIC based)

(ASIC-Application Specific Integrated Circuit)

Two different Microprocessors for Protection & Metering





Identification of Micrologic Trip Unit

	Protection	Cases	Measurement	Application
	↓	↓	↓	↓
	1 I 2 LS_0I 5 LSI 6 LSIG	2 NSX100-250 3 NSX400-630	A Ammeter E Energy Meter	--- Distribution G Generator AB Subsciber M Motor Z 16Hz 2/3
Example				
Micrologic 1.3 M	I	400 or 630 A		Motor
Micrologic 2.2 G	LS_0I	100, 160 or 250 A		Generator
Micrologic 2.3	LS_0I	400 or 630 A		Distribution
Micrologic 2.3 M	LS_0I	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_0 - Short Time with Fixed Time Delay

S - Short Time with Adjustable Time Delay

G - Ground Fault

ULP Modules (Universal Logic Plug)

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
- Transparent cover for trip unit as standard
- Single frame size up to 250A
- Breaking Capacity enhancement upto 150kA with a higher capacity upstream (Cascading)
- Exceptional current limiting < 6 x 10^5 A^2S

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	16A	LV429557	6900	LV429567	10100
	25A	LV429556 ☑		LV429566	
	32A	LV429555 ☑		LV429565	
	40A	LV429554 ☑		LV429564	
	50A	LV429553		LV429563	
	63A	LV429552 ☑		LV429562 ☑	
	80A	LV429551 ☑		LV429561	
	100A	LV429550 ☑		LV429560 ☑	
	125A	LV430311 ☑	13350	LV430321 ☑	15800
	160A	LV430310 ☑		LV430320 ☑	
36kA	16A	LV429637 ☑	8700	LV429647	11550
	25A	LV429636 ☑		LV429646	
	32A	LV429635 ☑		LV429645 ☑	
	40A	LV429634 ☑		LV429644 ☑	
	50A	LV429633		LV429643	
	63A	LV429632 ☑		LV429642 ☑	
	80A	LV429631 ☑		LV429641 ☑	
	100A	LV429630 ☑		LV429640 ☑	
	125A	LV430631 ☑	14000	LV430641 ☑	17550
	160A	LV430630 ☑		LV430640 ☑	
50kA	16A	LV429847	10200	LV429857	12900
	25A	LV429846		LV429856	
	32A	LV429845 ☑		LV429855	
	40A	LV429844 ☑		LV429854	
	50A	LV429843		LV429853	
	63A	LV429842 ☑		LV429852 ☑	
	80A	LV429841 ☑		LV429851	
	100A	LV429840 ☑		LV429850 ☑	
	125A	LV430841 ☑	17000	LV430851	19100
	160A	LV430840 ☑		LV430850 ☑	
70kA	16A	LV429677	14020	LV429687	17550
	25A	LV429676		LV429686	
	32A	LV429675		LV429685	
	40A	LV429674		LV429684	
	50A	LV429673		LV429683	
	63A	LV429672 ☑		LV429682	
	80A	LV429671		LV429681	
	100A	LV429670 ☑		LV429680	
	125A	LV430671 ☑	26320	LV430681	28460
	160A	LV430670 ☑		LV430680	

Adjustable Thermal/Magnetic

- Trip Unit TMD
- Adjustable thermal 0.7 - 1 x In
- Adjustable short-circuit 5 - 10 x Ir

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	200A	LV431111	20800	LV431121 ☑	25000
	250A	LV431110 ☑		LV431120 ☑	
36kA	200A	LV431631 ☑	22050	LV431641 ☑	27400
	250A	LV431630 ☑		LV431640 ☑	
50kA	200A	LV431831 ☑	22750	LV431841	28250
	250A	LV431830 ☑		LV431840 ☑	
70kA	200A	LV431671	30390	LV431681	37880
	250A	LV431670 ☑		LV431680	

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

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

With Electronic Trip Units (µP Based) Micrologic 2



- 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 ☑	12300	LV429787 ☑	16500
	100A	LV429775 ☑		LV429785 ☑	
	160A	LV430745 ☑	16000	LV430750 ☑	20800
	250A	LV431140 ☑	22000	LV431150 ☑	28200
36kA	40A	LV429772 ☑	13000	LV429782 ☑	17300
	100A	LV429770 ☑		LV429780 ☑	
	160A	LV430770 ☑	17000	LV430780 ☑	23250
	250A	LV431770 ☑	24000	LV431780 ☑	31000
	400A	LV432676 ☑	31350	LV432677 ☑	36100
	630A	LV432876 ☑	33550	LV432877 ☑	44300
50kA	40A	LV429797 ☑	15700	LV429807 ☑	20000
	100A	LV429795 ☑		LV429805 ☑	
	160A	LV430775 ☑	20400	LV430785 ☑	25250
	250A	LV431870 ☑	25500	LV431875 ☑	33100
	400A	LV432693 ☑	32800	LV432694 ☑	40600
	630A	LV432893 ☑	36100	LV432894 ☑	48400
70kA	40A	LV429792	19690	LV429802	25570
	100A	LV429790		LV429800	
	160A	LV430790	29430	LV430800	34030
	250A	LV431790	33500	LV431800	43440
	400A	LV432695 ☑	40020	LV432696	56500
	630A	LV432895 ☑	41520	LV432896	64950

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

Type NA Switch Disconnector Unit



- Ics = 100% Icu as per IEC 60947-2
- Suitable for Isolation
- AC22A / AC23A Utilisation Categories
- Two frame sizes up to 630A
- Switch Disconnector are self-protected due to high set magnetic release.

Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
100A	LV429629	8030	LV429639	11130
160A	LV430629	15620	LV430639	20760
250A	LV431629	23430	LV431639	31570
400A	LV432756	28570	LV432757	38200
630A	LV432956	31030	LV432957	51900

With Electronic Trip Units(µP Based) Micrologic 6A



- 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 Isd 1.5 - 10 x Ir and tsd I^2tON/OFF 0.1 - 0.4s
- Adjustable earth fault 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I^2tON/OFF 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.

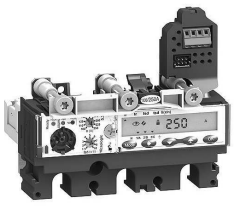
Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
25kA	40A	LV429014X62A40	29825	LV429015X62A40	33415
	100A	LV429014X62A100 ☑		LV429015X62A100	
	160A	LV430390X62A160 ☑	33055	LV430395X62A160	36915
	250A	LV431390X62A250 ☑	36495	LV431395X62A250	43310
36kA	40A	LV429003X62A40	30625	LV429008X62A40	34265
	100A	LV429003X62A100 ☑		LV429008X62A100 ☑	
	160A	LV430403X62A160 ☑	34155	LV430408X62A160 ☑	39450
	250A	LV431403X62A250 ☑	37590	LV431408X62A250 ☑	46200
	400A	LV432413X63A400 ☑	42945	LV432415X63A400 ☑	48900
	630A	LV432813X63A630 ☑	46400	LV432815X63A630	58790
50kA	40A	LV429006X62A40	33180	LV429011X62A40	36890
	100A	LV429006X62A100 ☑		LV429011X62A100	
	160A	LV430406X62A160 ☑	37270	LV430411X62A160	41365
	250A	LV431406X62A250 ☑	39895	LV431411X62A250	48195
	400A	LV432403X63A400 ☑	44250	LV432408X63A400 ☑	53570
	630A	LV432803X63A630 ☑	49060	LV432808X63A630 ☑	63395
70kA	40A	LV429004X62A40	36525	LV429009X62A40	41590
	100A	LV429004X62A100		LV429009X62A100	
	160A	LV430404X62A160	45305	LV430409X62A160	48915
	250A	LV431404X62A250	45395	LV431409X62A250	70900
	400A	LV432404X63A400	58000	LV432409X63A400	72960
	630A	LV432804X63A630	59500	LV432809X63A630	81300

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

Trip Units	To be added to Prices of Micrologic 6A [₹]
Micrologic 6.E	9000

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 Metering)



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

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

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Moulded Case Circuit Breakers for Motor Protection

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^{0}C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	2.5A	LV429745	8990
	6.3A	LV429744	
	12.5A	LV429743	
	25A	LV429742	
	50A	LV429741	
	100A	LV429740 ☑	
	150A	LV430830 ☑	13480
	220A	LV431748	22470
50kA	2.5A	LV429755	12090
	6.3A	LV429754	
	12.5A	LV429753	
	25A	LV429752	
	50A	LV429751	
	100A	LV429750 ☑	
	150A	LV430832 ☑	17230
	220A	LV431752	24610
70kA	2.5A	LV429765	14770
	6.3A	LV429764	
	12.5A	LV429763	
	25A	LV429762	
	50A	LV429761	
	100A	LV429760	
	150A	LV430834	24500
	220A	LV431756	30390

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^{0}C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	320A	LV432748	27700
	500A	LV432948	34560
50kA	320A	LV432749	30600
	500A	LV432949	36270
70kA	320A	LV432750	43340
	500A	LV432950	44300

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

With Electronic Trip Units(µP Based) Micrologic 2M



- 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^{0}C as per motor standards

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
36kA	25A	LV429828	12950
	50A	LV429827	
	100A	LV429825	
	150A	LV430985	20010
	220A	LV431160	28250
	320A	LV432775	34880
	500A	LV432975	42800
50kA	25A	LV429833	16160
	50A	LV429832	
	100A	LV429830	
	150A	LV430988	21940
	220A	LV431165	29960
	320A	LV432776	43010
	500A	LV432976	45480
70kA	25A	LV429838	18940
	50A	LV429837	
	100A	LV429835	
	150A	LV430991	29430
	220A	LV431170	33710
	320A	LV432777	47830
	500A	LV432977	55320

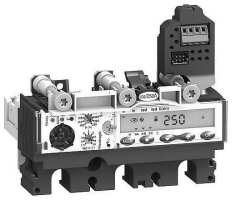
Note: For higher Breaking Capacities (100kA and 150kA), contact our nearest Sales Office

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

Trip Units	To be added to Micrologic 2M [₹]
Micrologic 6.E-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 Metering features of Micrologic 6E, the below Motor Application parameters are present in Micrologic 6E-M

1. Overload protection: Ir 0.45 - 1 x In
2. Short circuit protection: Isd 5 - 13 x Ir
3. Ground fault protection: Ig 0.4 - 1 x In (for In=40A) & 0.2 - 1 x In (for In>40A) and tg I^2tON/OFF 0.1 - 0.4s
4. Phase unbalance or Phase loss
5. Trip class selection: Class 5, Class10, Class20 & Class30
6. Cooling fan selection: self cooled or fan cooled motors
7. Iunbalance: 10 - 40% of average current and time delay 0.7s (starting) & 1 - 10s (normal operation)
8. Locked Rotor: Ijam 1 - 8 x Ir or Ijam can be made OFF and tjam 1 - 30s
9. Under-Load (under-current): Iund 0.3 - 0.9 x Ir or Iund can be made OFF and tund 1 - 200s
10. Long Starts Ilong 1 - 8 x Ir or Ilong can be made OFF and tlong 1 - 200s
11. Neutral: OFF or 0.5 x Ir or oversized neutral standard
12. Front indication LED`s (Ready & temperature rise alarm)
13. Zone Selective Interlocking (ZSI) as standard
14. Fault distinction on the display of trip unit (type of fault, interrupted fault current and faulty phase)

Accessories







Description	Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction		
OF or SD or SDE or SDV	29450 ☑	780
OF or SD or SDE or SDV low level	29452	850
SDE adaptor for trip unit TM or MA or Micrologic 2 $$	LV429451 ☑	600
SDX 2-Programmable Contacts for Micrologic		
SDx module 24/415 V AC/DC	LV429532 ☑	7000
SDTAM Contactor Tripping Module for Micrologic 2- M/6 E-M		
SDTAM 24/415 V AC/DC overload fault indication	LV429424	7000

$$ 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 [₹]
AC				
24 V 50/60 Hz	LV429384 ☑	1900	LV429404	2450
48 V 50/60 Hz	LV429385		LV429405	
110-130 V 50/60 Hz	LV429386 ☑		LV429406 ☑	
220-240 V 50/60 Hz	LV429387 ☑		LV429407 ☑	
380-415 V 50 Hz	LV429388 ☑		LV429408 ☑	
525 V 50 Hz	LV429389		LV429409	
DC				
12 V	LV429382	1900	LV429402	2450
24 V	LV429390 ☑		LV429410 ☑	
30 V	LV429391		LV429411	
48 V	LV429392		LV429412	
60 V	LV429383		LV429403	
125 V	LV429393 ☑		LV429413	
250 V	LV429394 ☑		LV429414 ☑	

Installation Accessories

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Spreaders & Phase Barrier				
Spreaders (Set of 3) 3P	LV431563 ☑	470	32492 ☑	1200
Spreaders (Set of 4) 4P	LV431564 ☑	580	32493 ☑	1550
Phase Barrier (Set of 6)	*		LV432570 ☑	620
Interlocking				
For Breaker with Rotary Handle	LV429369	7750	LV432621	9450
For Breaker with Toggle	LV429354	7750	LV432614	9450
Mechanical Interlocking with Base Plate	29349**	14000	32609**	20000
Locking of Rotary Handle				
Locking Device	LV429344 ☑	470	LV432604 ☑	630
Ronis Keylock (1 Lock + 1 Key set)	41940 ☑	2400	41940 ☑	2400
Ronis Keylock (2 Locks + 1 Key set)	41950 ☑	4800	41950 ☑	4800
Profalux Keylock (1 Lock + 1 Key set)	42888 ☑	2400	42888 ☑	2400
Profalux Keylock (2 Locks + 1 Key set)	42878	4800	42878	4800

* supplied as standard with spreader

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







Motor Mechanism

Type	Voltage	100/160A Reference	Unit MRP [₹]	250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Motor Mechanism Modules with SDE adaptor (1)							
AC 50/60 Hz	48-60 V	LV429440	19000	LV431548	21000	LV432639	30000
	110-130 V	LV429433		LV431540		LV432640	
	220-240 V	LV429434 ☑		LV431541 ☑		LV432641 ☑	
	380-415 V	LV429435		LV431542		LV432642 ☑	
	440-480 V	LV429435		LV431542		LV432647	
DC	24-30 V	LV429436	23000	LV431543	25000	LV432643	33000
	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 [₹]
Locking of Motor Mechanism				
Keylock adaptor + Ronis keylock (special)	LV429449	2300	-	-
Locking Device	-	-	LV432649	750
Ronis Keylock	-	-	41940 ☑	2400
Profalux Keylock	-	-	42888 ☑	
Torque Limiting Screws (Set of 12)	LV429513 ☑	1700	LV432513 ☑	2000

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

Monitoring and Control (Remote Operation)

Description	Reference	Unit MRP [₹]
ULP Display Module		
Switchboard front display module FDM121	TRV00121 ☑	9000
ULP Wiring Accessories		
NSX cord L = 0.35 m	LV434200	1560
NSX cord L = 1.3 m	LV434201 ☑	1600
5 RJ45/RJ45 MALE Cord L = 1m	TRV00810 ☑	2000
ULP Communication Module		
IFM MODBUS Interface Module	TRV00210 ☑	8000
BSCM (Breaker Status and Control Module)	LV434205 ☑	7000
Power Supply Modules		
External power supply module 24 V DC-1 A OVC IV		
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 ☑	
380-415 V AC	54445	
Pocket battery for Micrologic NSX100-630	LV434206	15000

Maintenance Module for advanced configuration and testing contact our nearest Sales Office.
ULP = Universal Logic Plug

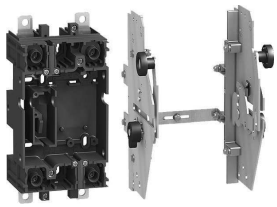
Accessories







Plug in Base



Draw-Out Chassis Kit

Description	100/160/250A Reference	Unit MRP [₹]	400/630A Reference	Unit MRP [₹]
Rotary Handles				
Standard direct black handle	LV429337 ☑	990	LV432597 ☑	1500
Standard extended rotary handle	LV429338 ☑	1590	LV432598 ☑	2900
Plug in Base (Complete Kit)				
3 Pole	LV429289 ☑	7000	LV432538 ☑	16000
4 Pole	LV429290 ☑	9000	LV432539 ☑	20000
Draw-Out Chassis Kit				
3 Pole				
Plug In base	LV429289 ☑	7000	LV432538 ☑	16000
Chassis Side Plate for base	LV429282 ☑	9500	LV432532 ☑	12000
Chassis Side Plate for breaker	LV429283 ☑	5000	LV432533 ☑	7000
4 Pole				
Plug In base	LV429290 ☑	9000	LV432539 ☑	20000
Chassis Side Plate for base	LV429282 ☑	9500	LV432532 ☑	12000
Chassis Side Plate for breaker	LV429283 ☑	5000	LV432533 ☑	7000
Plug In / Withdrawable version Accessories				
Automatic Auxillairy Connectors				
1 9-wire fixed connector (for base)	LV429273	900	LV429273	900
1 9-wire moving connector (for circuit breaker)	LV429274	700	LV432523 ☑	750
1 support for 2 moving connectors	LV429275	500	LV432525 ☑	500
Manual Auxillary Connectors				
9-wire manual auxiliary connector (fixed + moving)	LV429272	3200	LV429272	3200

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

Earth Leakage Protection Relay

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 [₹]
RH10 with local manual fault reset	220/240VAC	56130	7700	56230	8450
Sensitivity=0.03A	380/415VAC	56140		56240	
RH99 with local manual fault reset	220/240VAC	56173	12840	56273	13910
Sensitivity = 0.03- 30A & time delay= 0-4.5s	380/415VAC	56174		56274	
RH197P with local manual or automatic fault reset	220/240VAC	-	-	56507*	14980
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

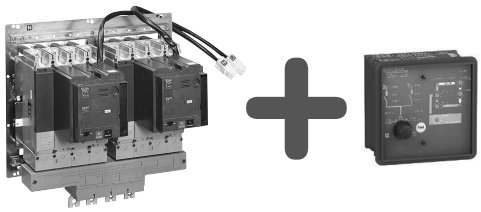
** alarm at 100% of fault threshold

Vigirex Sensors

Type	Ie(A) Rated operational Current	Inside diameter (mm)	Reference	Unit MRP [₹]
TA30	65	30	50437	5350
PA50	85	50	50438	7490
IA80	160	80	50439	8880
MA120	250	120	50440	10700
SA200	400	200	50441	16050
GA300	630	300	50442	22470

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

Automatic Source Changeover System



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	156400	LV4A3F100100U4	171400
NSX160F	NSX100F	LV4A3F160100B4	161700	LV4A3F160100U4	176700
NSX160F	NSX160F	LV4A3F160160B4	166350	LV4A3F160160U4	181350
NSX250F	NSX100F	LV4A3F250100B4	171750	LV4A3F250100U4	186750
NSX250F	NSX160F	LV4A3F250160B4	177050	LV4A3F250160U4	192050
NSX250F	NSX250F	LV4A3F250250B4	187100	LV4A3F250250U4	202100
NSX400F	NSX100F	LV4A3F400100B4*	200350	LV4A3F400100U4*	215350
NSX400F	NSX160F	LV4A3F400160B4*	204350	LV4A3F400160U4*	219350
NSX400F	NSX250F	LV4A3F400250B4*	213350	LV4A3F400250U4*	228350
NSX400F	NSX400F	LV4A3F400400B4	229700	LV4A3F400400U4	244700
NSX630F	NSX160F	LV4A3F630160B4*	206550	LV4A3F630160U4*	221550
NSX630F	NSX250F	LV4A3F630250B4*	215550	LV4A3F630250U4*	230550
NSX630F	NSX400F	LV4A3F630400B4	231900	LV4A3F630400U4	246900
NSX630F	NSX630F	LV4A3F630630B4	234100	LV4A3F630630U4	249100

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	162100	LV4A4F100100U4	177100
NSX160F	NSX100F	LV4A4F160100B4	168100	LV4A4F160100U4	183100
NSX160F	NSX160F	LV4A4F160160B4	169900	LV4A4F160160U4	184900
NSX250F	NSX100F	LV4A4F250100B4	179950	LV4A4F250100U4	194950
NSX250F	NSX160F	LV4A4F250160B4	185950	LV4A4F250160U4	200950
NSX250F	NSX250F	LV4A4F250250B4	197800	LV4A4F250250U4	212800
NSX400F	NSX100F	LV4A4F400100B4*	209400	LV4A4F400100U4*	224400
NSX400F	NSX160F	LV4A4F400160B4*	215350	LV4A4F400160U4*	230350
NSX400F	NSX250F	LV4A4F400250B4*	225100	LV4A4F400250U4*	240100
NSX400F	NSX400F	LV4A4F400400B4	239200	LV4A4F400400U4	254200
NSX630F	NSX160F	LV4A4F630160B4*	223550	LV4A4F630160U4*	238550
NSX630F	NSX250F	LV4A4F630250B4*	233300	LV4A4F630250U4*	248300
NSX630F	NSX400F	LV4A4F630400B4	247400	LV4A4F630400U4	262400
NSX630F	NSX630F	LV4A4F630630B4	255600	LV4A4F630630U4	270600

* Downstream coupling accessories are not available.

Notes:
1. 2 MCCBs with Motor mechanism & Standard Trip Units.
2. 4 Auxiliary contacts 2OF + 2SDE
3. 1 Base Plate with IVE unit for mechanical & electrical interlocking
4. 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size.
5. Control Unit UA or BA

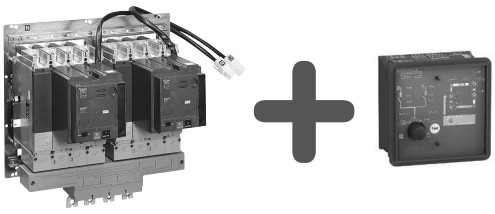
ATS upto 250A are provided with TMD type trip unit & for 400/630A with Micrologic 2 trip unit as standard.
ATS with MCCBs of other breaking capacities & other versions of trip units can also be supplied. Prices available on request.

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.

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Automatic Source Changeover System



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	159400	LV4A3N100100U4	174400
NSX160N	NSX100N	LV4A3N160100B4	166200	LV4A3N160100U4	181200
NSX160N	NSX160N	LV4A3N160160B4	169350	LV4A3N160160U4	184350
NSX250N	NSX100N	LV4A3N250100B4	173950	LV4A3N250100U4	188950
NSX250N	NSX160N	LV4A3N250160B4	180750	LV4A3N250160U4	195750
NSX250N	NSX250N	LV4A3N250250B4	188500	LV4A3N250250U4	203500
NSX400N	NSX100N	LV4A3N400100B4*	204500	LV4A3N400100U4*	219500
NSX400N	NSX160N	LV4A3N400160B4*	209200	LV4A3N400160U4*	224200
NSX400N	NSX250N	LV4A3N400250B4*	216300	LV4A3N400250U4*	231300
NSX400N	NSX400N	LV4A3N400400B4	232600	LV4A3N400400U4	247600
NSX630N	NSX160N	LV4A3N630160B4*	212500	LV4A3N630160U4*	227500
NSX630N	NSX250N	LV4A3N630250B4*	219600	LV4A3N630250U4*	234600
NSX630N	NSX400N	LV4A3N630400B4	235900	LV4A3N630400U4	250900
NSX630N	NSX630N	LV4A3N630630B4	239200	LV4A3N630630U4	254200

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	164800	LV4A4N100100U4	179800
NSX160N	NSX100N	LV4A4N160100B4	171000	LV4A4N160100U4	186000
NSX160N	NSX160N	LV4A4N160160B4	171450	LV4A4N160160U4	186450
NSX250N	NSX100N	LV4A4N250100B4	182150	LV4A4N250100U4	197150
NSX250N	NSX160N	LV4A4N250160B4	188350	LV4A4N250160U4	203350
NSX250N	NSX250N	LV4A4N250250B4	199500	LV4A4N250250U4	214500
NSX400N	NSX100N	LV4A4N400100B4*	216600	LV4A4N400100U4*	231600
NSX400N	NSX160N	LV4A4N400160B4*	221850	LV4A4N400160U4*	236850
NSX400N	NSX250N	LV4A4N400250B4*	231700	LV4A4N400250U4*	246700
NSX400N	NSX400N	LV4A4N400400B4	248200	LV4A4N400400U4	263200
NSX630N	NSX160N	LV4A4N630160B4*	229650	LV4A4N630160U4*	244650
NSX630N	NSX250N	LV4A4N630250B4*	239500	LV4A4N630250U4*	254500
NSX630N	NSX400N	LV4A4N630400B4	256000	LV4A4N630400U4	271000
NSX630N	NSX630N	LV4A4N630630B4	263800	LV4A4N630630U4	278800

* Downstream coupling accessories are not available.

Notes:
1) 2 MCCBs with Motor mechanism & Standard Trip Units.
2) 4 Auxiliary contacts 2OF + 2SDE
3) 1 Base Plate with IVE unit for mechanical & electrical interlocking
4) 1 Downstream coupling accessory is supplied only when both the MCCB are of same Frame size.
5) 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.

ATS Kit

Suitable for Masterpact NT/ NW ACB

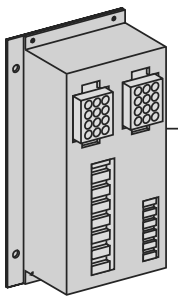
This Kit comprises of :

- 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



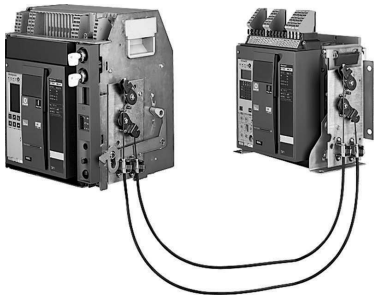
ACP unit



IVE unit



Controller



Mechanical interlocking using cable

Description	Reference	Unit MRP [₹]
ATS Kit for Masterpact NT EDO type with BA 415VAC controller	INA_NTDOB4	85000
ATS Kit for Masterpact NT EDO type with UA 415VAC controller	INA_NTDOU4	90000
ATS Kit for Masterpact NW EDO type with BA 415VAC controller	INA_NWDOB4 ☑	85000
ATS Kit for Masterpact NW EDO type with UA 415VAC controller	INA_NWDOU4 ☑	90000

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

Compact NS/ EasyPact CVS Range Moulded Case Circuit Breakers for DC Network Protection

- Available from 16 - 630A in 1P, 2P, 3P & 4P Range
- Protection for 750V DC Networks**, 100kA - Icu Level

Breaking Capacity [Icu] as per IEC 60947-2	[In] Rated Current	Type Of Trip Unit	3 Pole Reference	Unit MRP [₹]
100kA	100 A	TM100DC	INA_DC90640	12850
	160 A	TM160DC	INA_DC91640	23050
	250 A	TM250DC	INA_DC92640	33750
	400 A	MP1	32742 ☑	41450
	400 A	MP2	32743	
	630 A	MP1	32942 ☑	46700
	630 A	MP2	32943	
	630 A	MP3	32944	

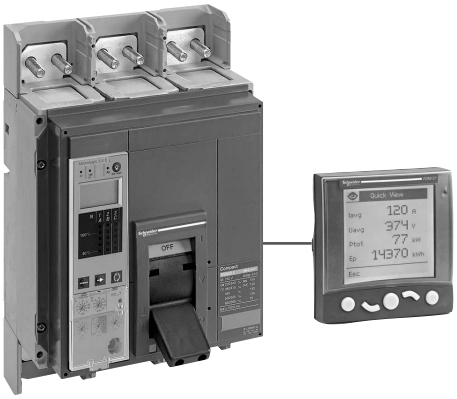
** 250VDC Per Pole. 750VDC with 3 Pole MCCBs
Prices for 1P, 2P & 4P on request

Note:

- A detailed selection chart for MCCB selection for DC Network is available.
- **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

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







Micrologic without Display | Micrologic A | Micrologic E | Micrologic P

2 sizes:

from 630b to 3200A



Compact NS630b to 1600



Compact NS1600b to 3200

	NS630b	NS800	NS1000	NS1250	NS1600
LB 200kA	■	■			
H 150kA	■	■	■		
H 70kA	■	■	■	■	■
N 50kA	■	■	■	■	■

	NS1600b	NS2300	NS2500	NS3200
H 85kA	■	■	■	■
N 70kA	■	■	■	■

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



- 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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
With Direct Rotary Handle					
50kA	800	INA_3P33466D ☑	54260	INA_4P33469D	71020
	1000	INA_3P33472D	69670	INA_4P33475D	101090
	1250	INA_3P33478D	83470	INA_4P33480D	128050
70kA	800	INA_3P33467D	66350	INA_4P33470D	84820
	1000	INA_3P33473D	87750	INA_4P33476D	132010
	1250	INA_3P33479D	105300	INA_4P33481D	145390
With Extended Rotary Handle					
50kA	800	INA_3P33466E ☑	55830	INA_4P33469E ☑	72590
	1000	INA_3P33472E ☑	71240	INA_4P33475E ☑	102660
	1250	INA_3P33478E ☑	85040	INA_4P33480E	129620
70kA	800	INA_3P33467E	67920	INA_4P33470E	86390
	1000	INA_3P33473E	89320	INA_4P33476E	133580
	1250	INA_3P33479E	106870	INA_4P33481E	146960

Remarks: Trip Unit Micrologic 2.0
Adjustable overload (Ir) 0.4 - 1 x In
Short circuit (Instantaneous)1.5 - 10 x Ir

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 [₹]
With Direct Rotary Handle					
50kA	800	INA_3P96466D	76860	INA_4P96469D	93620
	1000	INA_3P96472D	92270	INA_4P96475D	123690
	1250	INA_3P96478D	106070	INA_4P96480D	150650
70kA	800	INA_3P96467D	88950	INA_4P96470D	107420
	1000	INA_3P96473D	110350	INA_4P96476D	154610
	1250	INA_3P96479D	127900	INA_4P96481D	167990
With Extended Rotary Handle					
50kA	800	INA_3P96466E	78430	INA_4P96469E	95190
	1000	INA_3P96472E	93840	INA_4P96475E	125260
	1250	INA_3P96478E	107640	INA_4P96480E	152220
70kA	800	INA_3P96467E	90520	INA_4P96470E	108990
	1000	INA_3P96473E	111920	INA_4P96476E	156180
	1250	INA_3P96479E	129470	INA_4P96481E	169560

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^2t 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^2t 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. May 01, 2012

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



- 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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
With Direct Rotary Handle					
50kA	800	INA_8N3PFM2ED1	69860	INA_8N4PFM2ED1	86620
	1000	INA_10N3PFM2ED1	85270	INA_10N4PFM2ED1	116690
	1250	INA_12N3PFM2ED1	99070	INA_12N4PFM2ED1	143650
70kA	800	INA_8H3PFM2ED1	81950	INA_8H4PFM2ED1	100420
	1000	INA_10H3PFM2ED1	103350	INA_10H4PFM2ED1	147610
	1250	INA_12H3PFM2ED1	120900	INA_12H4PFM2ED1	160990
With Extended Rotary Handle					
50kA	800	INA_8N3PFM2EE1	71430	INA_8N4PFM2EE1	88190
	1000	INA_10N3PFM2EE1	86840	INA_10N4PFM2EE1	118260
	1250	INA_12N3PFM2EE1	100640	INA_12N4PFM2EE1	145220
70kA	800	INA_8H3PFM2EE1	83520	INA_8H4PFM2EE1	101990
	1000	INA_10H3PFM2EE1	104920	INA_10H4PFM2EE1	149180
	1250	INA_12H3PFM2EE1	122470	INA_12H4PFM2EE1	162560

Remarks: Trip Unit Micrologic 2.0
Adjustable overload (Ir) 0.4 - 1 x In
Short circuit (Instantaneous)1.5 - 10 x Ir

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 [₹]
With Direct Rotary Handle					
50kA	800	INA_8N3PFM6ED1	83860	INA_8N4PFM6ED1	100620
	1000	INA_10N3PFM6ED1	99270	INA_10N4PFM6ED1	130690
	1250	INA_12N3PFM6ED1	113070	INA_12N4PFM6ED1	157650
70kA	800	INA_8H3PFM6ED1	95950	INA_8H4PFM6ED1	114420
	1000	INA_10H3PFM6ED1	117350	INA_10H4PFM6ED1	161610
	1250	INA_12H3PFM6ED1	134900	INA_12H4PFM6ED1	174990
With Extended Rotary Handle					
50kA	800	INA_8N3PFM6EE1	85430	INA_8N4PFM6EE1	102190
	1000	INA_10N3PFM6EE1	100840	INA_10N4PFM6EE1	132260
	1250	INA_12N3PFM6EE1	114640	INA_12N4PFM6EE1	159220
70kA	800	INA_8H3PFM6EE1	97520	INA_8H4PFM6EE1	115990
	1000	INA_10H3PFM6EE1	118920	INA_10H4PFM6EE1	163180
	1250	INA_12H3PFM6EE1	136470	INA_12H4PFM6EE1	176560

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^2t 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^2t 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. May 01, 2012

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



- 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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_3P93280_20	87180	INA_4P93284_20	103940
	1000	INA_3P93290_20	102590	INA_4P93294_20	134010
	1250	INA_3P93300_20	116390	INA_4P93304_20	160970
70kA	800	INA_3P93281_20	99270	INA_4P93285_20	117740
	1000	INA_3P93291_20	120670	INA_4P93295_20	164930
	1250	INA_3P93301_20	138220	INA_4P93305_20	178310
For Control Voltage 415V AC					
50kA	800	INA_3P93280_40	87180	INA_4P93284_40	103940
	1000	INA_3P93290_40	102590	INA_4P93294_40	134010
	1250	INA_3P93300_40	116390	INA_4P93304_40	160970
70kA	800	INA_3P93281_40	99270	INA_4P93285_40	117740
	1000	INA_3P93291_40	120670	INA_4P93295_40	164930
	1250	INA_3P93301_40	138220	INA_4P93305_40	178310

Remaks: Trip Unit Micrologic 2.0
Adjustable overload (Ir) 0.4 - 1 x In
Short circuit (instantaneous)1.5 - 10 x Ir

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
- Individulal 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 [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_3P96280_20	109780	INA_4P96284_20	126540
	1000	INA_3P96290_20	125190	INA_4P96294_20	156610
	1250	INA_3P96300_20	138990	INA_4P96304_20	183570
70kA	800	INA_3P96281_20	121870	INA_4P96285_20	140340
	1000	INA_3P96291_20	143270	INA_4P96295_20	187530
	1250	INA_3P96301_20	160820	INA_4P96305_20	200910
For Control Voltage 415V AC					
50kA	800	INA_3P96280_40	109780	INA_4P96284_40	126540
	1000	INA_3P96290_40	125190	INA_4P96294_40	156610
	1250	INA_3P96300_40	138990	INA_4P96304_40	183570
70kA	800	INA_3P96281_40	121870	INA_4P96285_40	140340
	1000	INA_3P96291_40	143270	INA_4P96295_40	187530
	1250	INA_3P96301_40	160820	INA_4P96305_40	200910

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^2t 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^2t 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. May 01, 2012

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



- 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

Breaking Capacity Icu as per IEC 60947-2	Rated Current [A]	Three Pole Reference	Unit MRP [₹]	Four Pole Reference	Unit MRP [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_8N3PFE2E0120	102780	INA_8N4PFE2E0120	119540
	1000	INA_10N3PFE2E0120	118190	INA_10N4PFE2E0120	149610
	1250	INA_12N3PFE2E0120	131990	INA_12N4PFE2E0120	176570
70kA	800	INA_8H3PFE2E0120	114870	INA_8H4PFE2E0120	133340
	1000	INA_10H3PFE2E0120	136270	INA_10H4PFE2E0120	180530
	1250	INA_12H3PFE2E0120	153820	INA_12H4PFE2E0120	193910
For Control Voltage 415V AC					
50kA	800	INA_8N3PFE2E0140	102780	INA_8N4PFE2E0140	119540
	1000	INA_10N3PFE2E0140	118190	INA_10N4PFE2E0140	149610
	1250	INA_12N3PFE2E0140	131990	INA_12N4PFE2E0140	176570
70kA	800	INA_8H3PFE2E0140	114870	INA_8H4PFE2E0140	133340
	1000	INA_10H3PFE2E0140	136270	INA_10H4PFE2E0140	180530
	1250	INA_12H3PFE2E0140	153820	INA_12H4PFE2E0140	193910

Remaks: Trip Unit Micrologic 2.0
Adjustable overload (Ir) 0.4 - 1 x In
Short circuit (instantaneous)1.5 - 10 x Ir

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

- LED overload alarm indicator
- Measurement: Ammeter, current demand, voltages (ph-ph, ph-N, unblance), 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
- Individulal 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 [₹]
For Control Voltage 220/240V AC					
50kA	800	INA_8N3PFE6E0120	116780	INA_8N4PFE6E0120	133540
	1000	INA_10N3PFE6E0120	132190	INA_10N4PFE6E0120	163610
	1250	INA_12N3PFE6E0120	145990	INA_12N4PFE6E0120	190570
70kA	800	INA_8H3PFE6E0120	128870	INA_8H4PFE6E0120	147340
	1000	INA_10H3PFE6E0120	150270	INA_10H4PFE6E0120	194530
	1250	INA_12H3PFE6E0120	167820	INA_12H4PFE6E0120	207910
For Control Voltage 415V AC					
50kA	800	INA_8N3PFE6E0140	116780	INA_8N4PFE6E0140	133540
	1000	INA_10N3PFE6E0140	132190	INA_10N4PFE6E0140	163610
	1250	INA_12N3PFE6E0140	145990	INA_12N4PFE6E0140	190570
70kA	800	INA_8H3PFE6E0140	128870	INA_8H4PFE6E0140	147340
	1000	INA_10H3PFE6E0140	150270	INA_10H4PFE6E0140	194530
	1250	INA_12H3PFE6E0140	167820	INA_12H4PFE6E0140	207910

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^2t 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^2t 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. May 01, 2012

For Compact NS630b - 1600A

Type	Voltage	Shunt Release Reference	Unit MRP [₹]	Undervoltage Reference	Unit MRP [₹]
Voltage Releases					
AC 50/60 Hz	24 V	33659	4500	33668	4650
	48 V	33660		33669	
	110-130 V	33661 ☑		33670 ☑	
	220-240 V	33662 ☑		33671 ☑	
	380-415 V	33664 ☑		33673 ☑	
DC	24 V	33659	4500	33668	4650
	48 V	33660		33669	
	125 V	33661 ☑		33670 ☑	
	250 V	33662 ☑		33671 ☑	

Description	NS630b to 1600 Reference	Unit MRP [₹]
Spreaders (Set of 3) 3P	33622 ☑	5800
Spreaders (Set of 4) 4P	33623 ☑	7700

Moulded Case Circuit Breakers for Distribution Network

With Thermal Magnetic Trip Unit (TMD)



- Conforms to IEC60947-2
- Suitable for isolation
- Two frame sizes upto 250A
- Snap fitted accessories
- Suitable for Easypact Busbar system
- 30kA 1sec. Up to 250A & 40kA 1sec. for 400&630A

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Three Pole Reference	Unit MRP [₹]
10 kA	15A	EZC100F3015 ☑	2570
	20A	EZC100F3020 ☑	
	25A	EZC100F3025 ☑	
	32A	EZC100F3032 ☑	
	40A	EZC100F3040 ☑	
	50A	EZC100F3050 ☑	
	63A	EZC100F3063 ☑	
	80A	EZC100F3080 ☑	2650
	100A	EZC100F3100N ☑	
15 kA	15A	EZC100N3015 ☑	4100
	20A	EZC100N3020 ☑	
	25A	EZC100N3025 ☑	
	32A	EZC100N3032 ☑	
	40A	EZC100N3040 ☑	
	50A	EZC100N3050 ☑	
	63A	EZC100N3063 ☑	
	80A	EZC100N3080 ☑	
	100A	EZC100N3100 ☑	
18 kA	125A	EZC250F3125N ☑	5780
	150A	EZC250F3150N ☑	6200
	160A	EZC250F3160N ☑	
	175A	EZC250F3175N ☑	7560
	200A	EZC250F3200N ☑	
30 kA	15A	EZC100H3015 ☑	5040
	20A	EZC100H3020 ☑	
	25A	EZC100H3025 ☑	
	32A	EZC100H3032 ☑	
	40A	EZC100H3040 ☑	
	50A	EZC100H3050 ☑	
	63A	EZC100H3063 ☑	
	80A	EZC100H3080 ☑	
	100A	EZC100H3100 ☑	

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Four Pole Reference	Unit MRP [₹]
30 kA	63A	EZC100H4063 ☑	5570
	80A	EZC100H4080 ☑	
	100A	EZC100H4100 ☑	

Note: Easypact MCCBs are available upto 250A 3P/4P. Kindly contact our nearest Sales Office for further details.

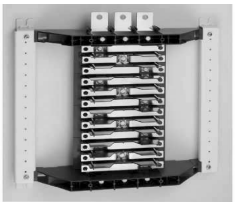
☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Accessories

Description	EZC100 Reference	Unit MRP [₹]	EZC250 Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover) Multifunction				
Auxiliary Switch 1 C/O	EZAUX10 ☑	670	EZEAX ☑	770
Alarm Switch 1 C/O	EZAUX01 ☑		EZEAL ☑	
Alarm - Auxiliary Switch	EZAUX11 ☑	980		
Spreaders				
Spreaders *(Set Of 3) 3P	EZASPDR3P ☑	220	EZESPDR3P ☑	270
Spreaders *(Set Of 4) 4P	EZASPDR4P ☑	280		
Rotary Handle				
Standard black handle	EZAROTDS ☑	1170	Not available for 250A	
Shunt Release				
AC				
100-130 V	EZASHT100AC ☑	1220	EZESHT100AC	1720
200-277 V	EZASHT200AC ☑		EZESHT200AC ☑	
380-480 V	EZASHT380AC ☑		EZESHT400AC	
DC				
24 V	EZASHT024DC ☑	1220	EZESHT024DC	1720
48 V	EZASHT048DC ☑		EZESHT048DC	
Under Voltage Release				
AC				
110-130 V	EZAUVR110AC	2330		
200-240 V	EZAUVR200AC ☑			
277 V	EZAUVR277AC			
380-415 V	EZAUVR380AC			
440-480 V	EZAUVR440AC ☑			
DC				
24 V	EZAUVR024DC	2330		
48 V	EZAUVR048DC			
125 V	EZAUVR125DC			

Main Busbar



- Easypact Range Busbar Systems
- Easypact MCCBs used with Easypact Busbar Systems offers standard product for your distribution panel needs
- Available for 250A, 400A & 630A main incoming current
- Available for 4,6,8 & 12 ways(3-pole) Easypact 100A (max)
- 400 & 630A systems can accept an additional 2 or 4 compact NSX outgoing MCCB
- Designed and tested to meet IEC 80438-1 requirements

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	EZ busbar 250A 4ways	EZB250W04	7140
	EZ busbar 250A 6ways	EZB250W06	7570
	EZ busbar 250A 8ways	EZB250W08	13790
	EZ busbar 250A 10ways	EZB250W10	15410
	EZ busbar 250A 12ways	EZB250W12	11360
400 A	EZ busbar 400A 4ways	EZB400W04	8120
	EZ busbar 400A 6ways	EZB400W06	13790
	EZ busbar 400A 8ways	EZB400W08	10280
	EZ busbar 400A 10ways	EZB400W10	13520
	EZ busbar 400A 12ways	EZB400W12	22310
630 A	EZ busbar 630A 4ways	EZB630W04	9730
	EZ busbar 630A 6ways	EZB630W06	10820
	EZ busbar 630A 8ways	EZB630W08	13250
	EZ busbar 630A 10ways	EZB630W10	15040
	EZ busbar 630A 12ways	EZB630W12	17730

Branch Extention for Compact NSX

[In] Rated Current	Description	Reference	Unit MRP [₹]
250 A	EZ busbar 250A 4ways	EZB250W04	7140
	EZ busbar 250A 6ways	EZB250W06	7570

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

AC MCCB

• Fixed Thermal Magnetic Trip Unit (TMD)

Breaking Capacity Icu as per IEC 60947-2	Rated Current	Single Pole Reference	Unit MRP [₹]	Three Pole Reference	Unit MRP [₹]
10 kA	10A	NKS100R010AC1P	975	NKS100R010AC3P	1600
	15A	NKS100R015AC1P		NKS100R015AC3P	
	20A	NKS100R020AC1P		NKS100R020AC3P	
	25A	NKS100R025AC1P		NKS100R025AC3P	
	30A	NKS100R030AC1P		NKS100R030AC3P	
	32A	NKS100R032AC1P		NKS100R032AC3P ☑	
	40A	NKS100R040AC1P		NKS100R040AC3P ☑	
	50A	NKS100R050AC1P		NKS100R050AC3P ☑	
	60A	NKS100R060AC1P		NKS100R060AC3P	
	63A	NKS100R063AC1P		NKS100R063AC3P ☑	
	75A	NKS100R075AC1P		NKS100R075AC3P ☑	
	90A	NKS100R090AC1P		NKS100R090AC3P	
	100A	NKS100R100AC1P ☑		NKS100R100AC3P ☑	
	110A	NKS200R110AC1P	1375	NKS160R110AC3P	3600
	125A	NKS200R125AC1P		NKS160R125AC3P ☑	
	140A	NKS200R140AC1P		NKS160R140AC3P	3800
	150A	NKS200R150AC1P		NKS160R150AC3P ☑	
	160A	NKS200R160AC1P		NKS160R160AC3P ☑	
	175A	NKS200R175AC1P		NKS200R175AC3P ☑	5000
	200A	NKS200R200AC1P		NKS200R200AC3P ☑	

DC MCCB

• Fixed Thermal Magentic Settings

Breaking Capacity Icu as per IEC 60947-2	Rated Current	One Pole Reference	Unit MRP [₹]
5 kA 125VDC L/R = 10ms	10A	NKS100R010DC1P	1155
	15A	NKS100R015DC1P	
	20A	NKS100R020DC1P	
	30A	NKS100R030DC1P	
	40A	NKS100R040DC1P	
	50A	NKS100R050DC1P	
	60A	NKS100R060DC1P	
	75A	NKS100R075DC1P	
	100A	NKS100R100DC1P	

DC MCCB

• Fixed Thermal Magentic 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	3465	NKS100R010DC3P	3960
	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 ☑		NKS100R100DC3P	
	110A	NKS160R110DC2P	6615	NKS160R110DC3P	7265
	125A	NKS160R125DC2P ☑		NKS160R125DC3P	
	140A	NKS160R140DC2P		NKS160R140DC3P	
	150A	NKS160R150DC2P		NKS160R150DC3P	
	160A	NKS160R160DC2P		NKS160R160DC3P	
	175A	NKS200R175DC2P	6930	NKS200R175DC3P	7940
	200A	NKS200R200DC2P		NKS200R200DC3P	

Note: *2 Pole MCCB shall be in 3P dimensions.
Spreaders are supplied as standard with NKS100R and 200R. Upto 63A consider spreader prices extra.

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Accessories

Description	Reference	Unit MRP [₹]
Auxiliary Contacts (Changeover)		
Auxiliary Switch 1 C/O	AX1CT1L ☑	680
Alarm Switch 1 C/O	AL1CT1NR ☑	730
Rotary Handles		
Standard direct black handle	NRHOMT1 ☑	800
Standard extended rotary handle	NDHOMT1 ☑	970
Spreaders		
Spreaders (Set of 3) 3P	NKSP13 ☑	225
Earth Fault Relay		
3 Phase - 3 Wire	NEFR100T1N3P	4050

Voltage	Reference	Unit MRP [₹]
Shunt Release		
AC		
100-130 V	SHT110ACT1L	590
240 V	SHT240ACT1L ☑	
415 V	SHT415ACT1L	
440 V	SHT440ACT1L	
DC		
24 V	SHT24DCT1L	590
48 V	SHT48DCT1L	
110 V	SHT110DCT1L	
220 V	SHT220DCT1L ☑	
Under Voltage Release		
AC		
110 V	UVT110ACT1	1100
220 V	UVT220/240ACT1 ☑	
415 V	UVT415ACT1	

Note: Please order necessary Shunt / Under-voltage with earth-fault relay

Masterpact NT and NW







Micrologic E Micrologic P Micrologic H

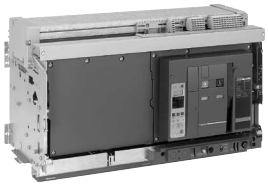
3 sizes



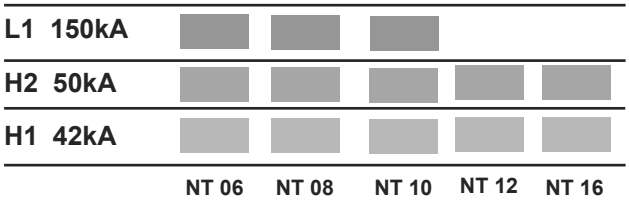
Masterpact NT 630 to 1600A

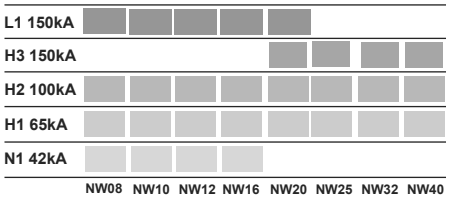


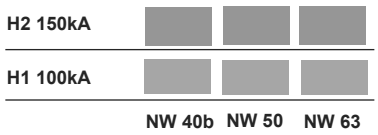
Masterpact NW 800 to 4000A



Masterpact NW 4000 to 6300A







Micrologic control units Overview of functions

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.

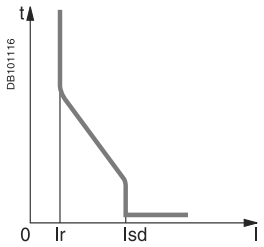
Y: control-unit generation
Identification of the control-unit generation.
"0" signifies the first generation.

Z: type of measurement
- E for " Energy"
- P for "power meter"
- H for "harmonic meter".



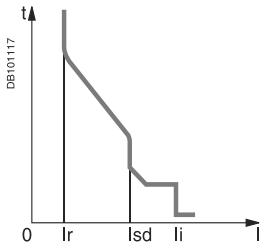
Current protection

Micrologic 2: basic protection



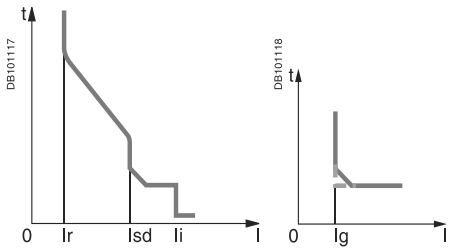
Protection:
long time
+ instantaneous

Micrologic 5: basic protection



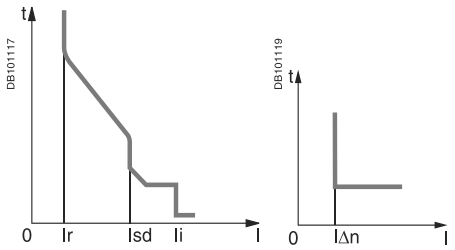
Protection:
long time
+ short time
+ instantaneous

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, $I_{earth-fault}$, $I_{earth-leakage}$ 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_{peak}, A_{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.

TITLE: MASTERPACT REFERENCE CREATION CHART

NW	08	H1	3P	EDO	6.0.E

NW / NT
NW
NT

3P
3P
4P

630A - 06
800A - 08
1000A - 10
1250A - 12
1600A - 16
2000A - 20
2500A - 25
3200A - 32
4000A - 40
4000A - 40B
5000A - 50
6300A - 63

Manual Fixed	MF
Electrical Fixed	EF
Manual Drawout	MDO
Electrical Drawout	EDO

NT- 42kA	H1
NT - 50kA	H2
NT - 150kA Limiter Breaker	L1 (Only upto 1000A)
NT - 1000V	H10
NW - 42kA	N1 (Only upto 1600A)
NW - 65kA	H1
NW Size I up to 4000A - 100kA	H2
NW Size - I up to 4000A -150kA	H3
NW Size II 40B to 6300A 100kA	H1
NW Size II 40B to 6300A 150kA	H2
NW - 1000V	H10 (Only upto 4000A)
NW -150kA Limiter Breaker	L1 (Only up to 2000A)
Buscoupler NT Icw, 1Sec - 36kA	HA
Buscoupler - NT,1000V	HA10
Buscoupler NW	NA (Up to 1600A)
Buscoupler NW	HA
Buscoupler NW	HF (Only up to 4000A size I

Micrologic Energy	2.0E
Micrologic Energy	5.0E
Micrologic Energy	6.0E
Micrologic Power	5.0.P
Micrologic Power	6.0.P
Micrologic Power	7.0.P
Micrologic Harmonic	5.0.H
Micrologic Harmonic	6.0.H
Micrologic Harmonic	7.0.H
Buscoupler	-

For Buscoupler ACBs please refer detailed catalogue for various Icw Ratings

∗ **For Prices of NT & NW Air CIrcuit Breakers, Please Contact Our Nearest Sales Office.**

Micrologic E

Energy efficiency, now within your reach

Micrologic E is a newly optimized and affordable trip unit that will help in democratizing Energy management in the high power circuit breakers like Masterpact NT/NW.

Micrologic E control unit across facility can easily gathered analysed, & reported on to reveal opportunities, drive energy- efficient behaviour, & to validate savings from equipment upgrades 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

Masterpact MVS

Selection Guide

Masterpact MVS (from 800 to 3200A)- Icu=Ics=Icw(1 sec)=50kA

Range	Current Rating	Type	Pole	Installation	Protection
	08	N	3P	MF	2I
	10	NA	4P	EF	5S
	12			MD	6G
MVS	16			ED	2A
	20				5A
	25				6A
	32				00
Digits used:	3	2	1/2	2	2	2

Protections offered	
2I	LI
5S	LSI
6G	LSIG
2A	LI with current metering
5A	LSI with current metering
6A	LSIG with current metering
00	No Protection for Switch

Installation Type	
M	Manually Operated ACB/SD
E	Electrical Operated ACB/SD
F	Fixed Type ACB/SD
W	Draw-out ACB/SD

Number of Poles	
3P	3 Poles
4P	4 Poles

Breaker/ Swich Disconnector	
N	Circuit Breaker with Micro processor based protections Icu=Ics=Icw(1sec)=50kA
NA	Switch without Protection Icu=Ics=Icw(1sec)=50kA

Current Rating	
08	800 Amps
10	1000 Amps
12	1250 Amps
16	1600 Amps
20	2000 Amps
25	2500 Amps
32	3200 Amps

Example 1: MVS32N4PEW6G

MVS	32	N	4P	EW	6G
Masterpact MVS	3200A	Breaker 50kA	4 Pole	Electrical Draw-out type	Protection rls type 6G (LSIG)

Example 2: MVS16N3PNW00

MVS	16	NA	3P	MW	00
Masterpact MVS	1600A	Switch 50kA	3 Pole	Manual Draw-out type	No Protection rls for Switch

Example 3: MVS32N4PEW6A

MVS	32	N	4P	EW	6A
Masterpact MVS	3200A	Breaker 50kA	4 Pole	Electrical Draw-out type	Protection rls type 6A (LSIG)

Masterpact ET/ETA Trip System NEW

A step towards intelligent Electrical Distribution Network





			 ET Trip Unit	 ETA Trip Unit
Features	Current Metering			●
	ZSI		●	●
	% Loading Bar Graph for each phase			●
	Thermal Memory		●	●
Protection	2 (L, I)	OL, SC	2I	2A
	6 (L, S)	OL, SC, EF	6G	6A

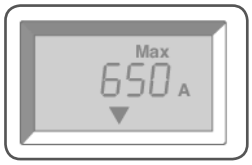
Protection

- ET 6A provides: Overload , Short -Circuit , Earth Fault protections.
- ET 2A provides: Overload , Short -Circuit protections.

Monitoring



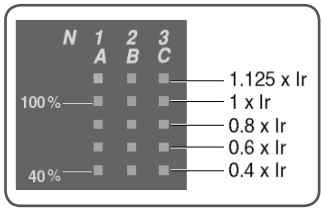
1. Measurements : Phase current measurement I1, I2, I3, neutral In, ground -fault current Ig on the ETA6G trip system.



2. Maximeter : Maximeter Current Values for phases I1, I2, I3, Neutral In, the maximum



3. Settings : Ground fault current Ig on the trip system Protection Setting and tripping delay.



4. % Loading of each Phase

Draw-out type Circuit breakers & Switch Disconnectors 800-3200A





- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50^0 C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6G provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2I provides Overload & Short-circuit protections
- Icu=Ics=Icw(1sec) =50kA @ 440V AC

Draw-out type circuit breaker with microprocessor based ET6G trip system

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	MVS08N3PMW6G	144300	MVS08N3PEW6G	185300	MVS08N4PMW6G	183900	MVS08N4PEW6G	224900
1000	MVS10N3PMW6G	160700	MVS10N3PEW6G	201700	MVS10N4PMW6G	199100	MVS10N4PEW6G	240200
1250	MVS12N3PMW6G	170600	MVS12N3PEW6G	211600	MVS12N4PMW6G	210200	MVS12N4PEW6G	251300
1600	MVS16N3PMW6G	190000	MVS16N3PEW6G	231000	MVS16N4PMW6G	245900	MVS16N4PEW6G	286900
2000	MVS20N3PMW6G	238800	MVS20N3PEW6G	279800	MVS20N4PMW6G	290400	MVS20N4PEW6G	331500
2500	MVS25N3PMW6G	289500	MVS25N3PEW6G	330500	MVS25N4PMW6G	355200	MVS25N4PEW6G	396200
3200	MVS32N3PMW6G	368400	MVS32N3PEW6G	409400	MVS32N4PMW6G	456100	MVS32N4PEW6G	497100

Draw-out type circuit breaker with microprocessor based ET2I trip system

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	MVS08N3PMW2I	128800	MVS08N3PEW2I	169800	MVS08N4PMW2I	168400	MVS08N4PEW2I	209500
1000	MVS10N3PMW2I	145200	MVS10N3PEW2I	186200	MVS10N4PMW2I	183700	MVS10N4PEW2I	224700
1250	MVS12N3PMW2I	155100	MVS12N3PEW2I	196100	MVS12N4PMW2I	194800	MVS12N4PEW2I	235900
1600	MVS16N3PMW2I	174500	MVS16N3PEW2I	215500	MVS16N4PMW2I	230600	MVS16N4PEW2I	271600
2000	MVS20N3PMW2I	223300	MVS20N3PEW2I	264400	MVS20N4PMW2I	275000	MVS20N4PEW2I	316000
2500	MVS25N3PMW2I	274000	MVS25N3PEW2I	315000	MVS25N4PMW2I	339700	MVS25N4PEW2I	380800
3200	MVS32N3PMW2I	352900	MVS32N3PEW2I	393900	MVS32N4PMW2I	440600	MVS32N4PEW2I	481700

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	MVS08NA3PMWD	123800	MVS08NA3PEWD	164800	MVS08NA4PMWD	163600	MVS08NA4PEWD	204600
1000	MVS10NA3PMWD	140200	MVS10NA3PEWD	181400	MVS10NA4PMWD	178700	MVS10NA4PEWD	219700
1250	MVS12NA3PMWD	150200	MVS12NA3PEWD	191200	MVS12NA4PMWD	189800	MVS12NA4PEWD	230900
1600	MVS16NA3PMWD	169600	MVS16NA3PEWD	210600	MVS16NA4PMWD	225600	MVS16NA4PEWD	266600
2000	MVS20NA3PMWD	218400	MVS20NA3PEWD	259400	MVS20NA4PMWD	270100	MVS20NA4PEWD	311100
2500	MVS25NA3PMWD	269000	MVS25NA3PEWD	310100	MVS25NA4PMWD	334900	MVS25NA4PEWD	375900
3200	MVS32NA3PMWD	347900	MVS32NA3PEWD	388900	MVS32NA4PMWD	435700	MVS32NA4PEWD	476700

Note:
All draw-out type circuit breakers will be supplied with:
(i) horizontal-horizontal terminations.
(ii) 1 No. Electrical fault indication Contact (SDE).
(iii) 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
(iv) Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

All switch disconnectors are without protection

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.

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Draw-out type Circuit breakers & Switch Disconnectors 800-3200A



- Conforms to IS/ IEC 60947-2 & 3
- Microprocessor based ET trip systems with thermal memory
- No derating up to 50^0 C
- Zone Selective Interlocking
- Fully rated neutral with inbuilt protection
- Pre trip alarm & individual fault indicating LEDs
- ET6G provides Overload, Short-circuit, Instantaneous & Earth-fault protections
- ET2I provides Overload & Short-circuit protections
- Icu=Ics=Icw(1sec) =50kA @ 440V AC

Draw-out type circuit breaker with microprocessor based ET 6A trip system

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	MVS08N3PMW6A	150100	MVS08N3PEW6A	191100	MVS08N4PMW6A	189700	MVS08N4PEW6A	230800
1000	MVS10N3PMW6A	166500	MVS10N3PEW6A	207500	MVS10N4PMW6A	204900	MVS10N4PEW6A	246000
1250	MVS12N3PMW6A	176400	MVS12N3PEW6A	217400	MVS12N4PMW6A	216000	MVS12N4PEW6A	257200
1600	MVS16N3PMW6A	195800	MVS16N3PEW6A	236800	MVS16N4PMW6A	251800	MVS16N4PEW6A	292800
2000	MVS20N3PMW6A	244600	MVS20N3PEW6A	285700	MVS20N4PMW6A	296300	MVS20N4PEW6A	337300
2500	MVS25N3PMW6A	295300	MVS25N3PEW6A	336300	MVS25N4PMW6A	361000	MVS25N4PEW6A	402100
3200	MVS32N3PMW6A	374200	MVS32N3PEW6A	415200	MVS32N4PMW6A	461900	MVS32N4PEW6A	503000

Draw-out type circuit breaker with microprocessor based ET 2A trip system

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	MVS08N3PMW2A	134600	MVS08N3PEW2A	175600	MVS08N4PMW2A	174300	MVS08N4PEW2A	215300
1000	MVS10N3PMW2A	151100	MVS10N3PEW2A	192100	MVS10N4PMW2A	189500	MVS10N4PEW2A	230600
1250	MVS12N3PMW2A	160900	MVS12N3PEW2A	201900	MVS12N4PMW2A	200700	MVS12N4PEW2A	241700
1600	MVS16N3PMW2A	180300	MVS16N3PEW2A	221300	MVS16N4PMW2A	236400	MVS16N4PEW2A	277400
2000	MVS20N3PMW2A	229200	MVS20N3PEW2A	270200	MVS20N4PMW2A	280800	MVS20N4PEW2A	321800
2500	MVS25N3PMW2A	279800	MVS25N3PEW2A	320900	MVS25N4PMW2A	345600	MVS25N4PEW2A	386600
3200	MVS32N3PMW2A	358700	MVS32N3PEW2A	399700	MVS32N4PMW2A	446500	MVS32N4PEW2A	487500

Note:
All draw-out type circuit breakers will be supplied with:
(i) horizontal-horizontal terminations.
(ii) 1 No. Electrical fault indication Contact (SDE).
(iii) 1 No. Auxiliary contact block (OF) with 4 C/O contacts.
(iv) Safety shutters on Chassis & door sealing frame- Escutcheon (CDP).

All switch disconnectors are without protection

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 [₹]
Gear Motor (MCH)				
AC 50/60 Hz	100/130 V		47893	28000
	200/240 V		47894 ☑	
	380/415 V		47896	
DC	24/30 V		47888	
	48/60 V		47889	
	100/125 V		47890	
	200/250 V		47891	
Closing and Opening Release (XF or MX)				
AC 50/60 Hz DC	24/30 V DC		33659	4500
	48/60 V DC		33660	
	100/130 V AC/DC		33661 ☑	
	200/250 V AC/DC		33662 ☑	
	380/480 V AC		33664 ☑	
Under Voltage Release (MN)				
AC 50/60 Hz DC	24/30 V DC, 24 V AC		33668	4650
	48/60 V DC, 48 V AC		33669	
	100/130 V AC/DC		33670 ☑	
	200/250 V AC/DC		33671 ☑	
	380/480 V AC		33673 ☑	
MN Delay Unit				
AC 50/60 Hz DC	48/60 V AC/DC	Rr (adjustable)	33680	7500
	100/130 V AC/DC		33681	
	200/250 V AC/DC		33682	
	380/480 V AC/DC		33683	
	100/130 V AC/DC	R (non-adjustable)	33684	7000
	200/250 V AC/DC		33685 ☑	
ON/OFF Indication Contacts (Additional OF contact)				
1 additional block of 4 contacts			47887	4500
Door Interlock (VPECD)/1 part				
On right hand side of chassis			47914 ☑	2160

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

[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 [₹]
3 Pole ACB with Thermal Magnetic Release								
(O/L and Short Circuit protection)								
800 A	NH800FM1T3P	67630	NH800FE1T3P	106530	NH800DM1T3P	97940	NH800DE1T3P	143420
1000 A	NH1000FM1T3P	70280	NH1000FE1T3P	109820	NH1000DM1T3P	105360	NH1000DE1T3P	148190
1250 A	NH1250FM1T3P	99000	NH1250FE1T3P	139500	NH1250DM1T3P	130700	NH1250DE1T3P	177340
1600 A	NH1600FM1T3P	104940	NH1600FE1T3P	150310	NH1600DM1T3P	147230	NH1600DE1T3P	193560
2000 A	NH2000FM1T3P	120840	NH2000FE1T3P	168010	NH2000DM1T3P	177870	NH2000DE1T3P	225890
2500 A	NH2500FM1T3P	140030	NH2500FE1T3P	186980	NH2500DM1T3P	208930	NH2500DE1T3P	253870
3200 A	NH3200FM1T3P	210940	NH3200FE1T3P	262240	NH3200DM1T3P	277930	NH3200DE1T3P	324890
4 Pole ACB with Thermal Magnetic Release								
(O/L and short Circuit Protection)								
800 A	NH800FM1T4P	87560	NH800FE1T4P	132610	NH800DM1T4P	135040	NH800DE1T4P	184860
1000 A	NH1000FM1T4P	92010	NH1000FE1T4P	136950	NH1000DM1T4P	144900	NH1000DE1T4P	193450
1250 A	NH1250FM1T4P	128150	NH1250FE1T4P	173630	NH1250DM1T4P	180620	NH1250DE1T4P	231930
1600 A	NH1600FM1T4P	137690	NH1600FE1T4P	187620	NH1600DM1T4P	201190	NH1600DE1T4P	250160
2000 A	NH2000FM1T4P	159320	NH2000FE1T4P	207760	NH2000DM1T4P	243160	NH2000DE1T4P	294680
2500 A	NH2500FM1T4P	184330	NH2500FE1T4P	231400	NH2500DM1T4P	288320	NH2500DE1T4P	326800
3200 A	NH3200FM1T4P	260760	NH3200FE1T4P	313230	NH3200DM1T4P	353190	NH3200DE1T4P	392090

Note:

1. 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)
2. 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).
3. 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.
4. All breakers are fitted with 4NO+4NC auxiliary contact block.
5. 16 way sliding contacts & Safety Shutter assembly are supplied as standard in drawout breakers.
6. 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.
7. All Fixed ACBs will be supplied with Type ' H ' termination as standard.

Description	Reference	Unit MRP [₹]
Air Circuit Breakers Accessories		
Micro-switch for S/C trip indication (for TM ACB) (To be specified during ordering)	Z125	1700
Special sliding contact for electrical position indication	Z127	2230
Mechanical counter	Z602	2120
Earth Fault Relay 3Ph 3wire (1)	Z128	2230
Earth Fault Relay 3Ph 4wire (1)	Z129	2440
Chassis position lock	Z236	2230
Door interlock kit (Fixed ACB)	Z245F	2230
Door interlock kit (Draw-out ACB)	Z245D	2230
Transparent cover for push button locking	ZTCPB	2120
Air Circuit Breakers Accessories		
Spares (Common for all ratings)		
Floating gasket for escutcheon	Z217	850
Racking handle	Z204	740
Terminal block-16 way (Aux contact)	Z106A	530
Terminal block - 8 way (for Manual ACB)	Z106B	640
Escutcheon cover (2)	Z202	1270
Aux. contact block 4NO+4NC	Z601	1590
Fixed+Moving sliding contact-2Nos.	Z214	530

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
Replace 'T' by 'B' in type reference of Thermal magnetic ACB		**Replace 'T' by 'B' in type reference of Thermal magnetic ACB**	
NH800-1000	3500	NH800-1000	4500
NH1250	7000	NH1250	9000
NH1600 - 2000	8000	NH1600 - 2000	10000
NH2500 - 3200	11000	NH2500 - 3200	14000
		Extra price for optional rear connections for NH800/1250A	
		Draw-out ACB	
		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

Air Circuit Breakers - Spares

Description	Reference	Unit MRP [₹]
Frame Size: NH 800		
Shutter Assembly - 3 Pole	Z237	2230
Shutter Assembly - 4 Pole	Z240	2760
Arc Chute - set of 3	Z101A3	5190
Arc Chute - set of 4	Z101A4	7000
Fixed Arcing contacts - 3P	Z102A3	4240
Fixed Arcing contacts - 4P	Z102A4	5620
Moving Arcing contacts - 3P	Z103A3	4240
Moving Arcing contacts - 4P	Z103A4	5620
Floating Isolating contacts (1) - set of 3	Z201AA3	6890
Floating Isolating contacts (1) - set of 4	Z201AA4	9330
CTs for Thermal overload relay - 3Nos.		
400A	ZCT01	3070
630A	ZCT02	
800A	ZCT03	
NCT for Thermal-magnetic Release - 1No.		
400-630-800A	ZNCT11	1590
Phase barriers - 3P	Z211B3	950
Phase barriers - 4P	Z211B4	1270
Frame Size: NH 1000 - 1250		
Shutter Assembly - 3 Pole	Z237	2230
Shutter Assembly - 4 Pole	Z240	2760
Arc Chute - set of 3	Z101A3	5190
Arc Chute - set of 4	Z101A4	7000
Fixed Arcing contacts - 3P	Z102A3	4240
Fixed Arcing contacts - 4P	Z102A4	5620
Moving Arcing contacts - 3P	Z103A3	4240
Moving Arcing contacts - 4P	Z103A4	5620
Floating Isolating contacts (1) - set of 3	Z201A3	6890
Floating Isolating contacts (1) - set of 4	Z201A4	9330
CTs for Thermal overload relay - 3Nos.		
800A	ZCT11	3290
1000A	ZCT12	
1250A	ZCT13	
NCT for Thermal-magnetic - 1No.		
800-1000-1250A	ZNCT12	1590
Phase barriers - 3P	Z211B3	950
Phase barriers - 4P	Z211B4	1270

Description	Reference	Unit MRP [₹]
Frame Size: NH 1600 - 2000		
Shutter Assembly - 3 Pole	Z238	2540
Shutter Assembly - 4 Pole	Z241	3290
Arc Chute - set of 3	Z101B3	7100
Arc Chute - set of 4	Z101B4	8480
Fixed Arcing contacts - 3P	Z102B3	8270
Fixed Arcing contacts - 4P	Z102B4	11020
Moving Arcing contacts - 3P	Z103B3	8270
Moving Arcing contacts - 4P	Z103B4	11020
Floating Isolating contacts (1) - set of 3	Z201B3	11130
Floating Isolating contacts (1) - set of 4	Z201B4	16220
CTs for Thermal overload relay - 3Nos.		
1600A	ZCT21	3390
2000A	ZCT22	
NCT for Thermal-magnetic - 1No.		
1600 - 2000A	ZNCT13	2120
Phase barriers - 3P	Z211C3	950
Phase barriers - 4P	Z211C4	1270
Frame Size: NH 2500 - 3200		
Shutter Assembly - 3 Pole	Z239	3600
Shutter Assembly - 4 Pole	Z242	4770
Arc Chute - set of 3	Z101C3	12080
Arc Chute - set of 4	Z101C4	16850
Fixed Arcing contacts - 3P	Z102C3	12300
Fixed Arcing contacts - 4P	Z102C4	16110
Moving Arcing contacts - 3P	Z103C3	12300
Moving Arcing contacts - 4P	Z103C4	16110
Floating Isolating contacts (1) - set of 3	Z201C3	17810
Floating Isolating contacts (1) - set of 4	Z201C4	23110
CTs for Thermal overload relay - 3Nos.		
2500A	ZCT31	3600
3200A	ZCT32	
NCT for Thermal-magnetic - 1No.		
2500 - 3200A	ZNCT14	2440
Phase barriers - 3P	Z211D3	950
Phase barriers - 4P	Z211D4	1270

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 [₹]
Instantaneous U/V Release		
24/30V	ZMN24/30	4980
48/60V	ZMN48/60V-ACDC	
100/130V	ZMN100/130	
200/250V	ZMN200/250 ☑	
380/480V	ZMN380/480 ☑	
Time delay unit for U/V Release		
48/60V AC,DC	ZMNR48/60V-ACDC	7630
100/130V AC,DC	ZMNR110/130V-ACDC	
200/250V AC,DC	ZMNR200/250V-ACDC	
380/480V AC,DC	ZMNR380/480V-ACDC	
Shunt trip coil		
12V DC	ZMX112VDC	4880
24/30V ACDC	ZMX124/30	
48/60V ACDC	ZMX1-48/60V-ACDC	
100/130V ACDC	ZMX1100/130	
200/250V ACDC	ZMX1200/250 ☑	
277V ACDC	ZMX1-277V-ACDC	
380/480V ACDC	ZMX1380/480	
Additional Shunt trip coil		
12V DC	ZMX212VDC	4980
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	
Closing coil		
12VDC	ZXF12V-DC	4880
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	
RS relay for time delayed S/C in Thermal - Magnetic ACB (40ms fixed) AC input		
240V AC base mtg.	Z123B	2540
240V AC door mtg.	Z123D	
RS relay for time delayed S/C in Thermal - Magnetic ACB (40~460ms adjustable) AC input		
110V AC base mtg.	ZRSB-110VAC	3710
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 [₹]
AC/DC Electrical Charging motor		
24/30V DC	ZMCH24/30DC	29680
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 ☑	
277V AC	ZMCH277AC	
380/415V AC	ZMCH380/415AC	
400/440V AC	ZMCH400/440AC	
480V AC	ZMCH480AC	
Castell lock with key		
Letter A	Z244CA ☑	2120
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-	
Padlock for locking in OFF position		
Letter A	Z244PCA	2540
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-	

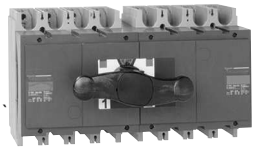
Note: ZMX1 is mandatory for thermal magnetic ACB. ZMX2 is optional.

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Switch Disconnectors





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 auxillary contact
- Making capacity enhanced with Compact NSX upstream

Pole Description	Rated Operational Current	Reference	Unit MRP [₹]
Interpact Range of Switch Disconnectors			
3-Pole	40 A AC-23A	28900	3420
	63 A AC-23A	28902	4170
	100 A AC-23A	28908	4920
	125 A AC-23A	28910	5240
	160 A AC-23A	28912	5990
	200 A AC-23A	31102	9520
	250 A AC-23A	31106	10060
	320 A AC-23A	31108	15730
	400 A AC-23A	31110	16370
	630 A AC-23A	31114	20440
4-Pole	40 A AC-23A	28901	3750
	63 A AC-23A	28903	4490
	100 A AC-23A	28909	5240
	125 A AC-23A	28911	5890
	160 A AC-23A	28913	6530
	200 A AC-23A	31103	10590
	250 A AC-23A	31107	11130
	320 A AC-23A	31109	19580
	400 A AC-23A	31111	18510
	630 A AC-23A	31115	22150
Interpact Changeover Systems (complete assembly)			
3-Pole	100 A AC-23A	31140	22680
	160 A AC-23A	31144	24720
	200 A AC-23A	31142	27180
	250 A AC-23A	31146	27930
	320 A AC-23A	31148	46220
	400 A AC-23A	31150	49330
	630 A AC-23A	31154	52750
4-Pole	100 A AC-23A	31141	25890
	160 A AC-23A	31145	28360
	200 A AC-23A	31143	32100
	250 A AC-23A	31147	33170
	320 A AC-23A	31149	50400
	400 A AC-23A	31151	54680
	630 A AC-23A	31155	59600

Description	Reference	Unit MRP [₹]
Accessories		
Optional front extended rotary handle INS 250 - black handle (Switch Disconnector)	31050	3000
Optional front extended rotary handle INS 320..630 - black handle (Switch Disconnector)	31052	4280
Optional front extended rotary handle INS 40..160 - black handle (Switch Disconnector)	28941	1500
6 phase separators - INS100..160	28959	540
6 phase separators - INS250	29329	430
6 phase separators - INS400..630	32570	860

- 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 ☑	1680	NX032TPNBS ☑	1570
63 A	3P + N	NX063TPNDI ☑	2350	NX063TPNBS ☑	2240
80 A	3P + N	NX080TPNDI ☑	4820	NX080TPNBS	4590
100 A	3P	NX100TPXDI	4370	NX100TPXBS	3920
	3P + N	NX100TPNDI ☑	4930	NX100TPNBS ☑	4760
	4P	NX100FPXDI	4930	NX100FPXBS	4820
125 A	3P	NX125TPXDI ☑	4820	NX125TPXBS	4590
	3P + N	NX125TPNDI ☑	6500	NX125TPNBS ☑	6160
	4P	NX125FPXDI	7060	NX125FPXBS	6940
160 A	3P	NX160TPXDI	5940	NX160TPXBS	5820
	3P + N	NX160TPNDI ☑	7170	NX160TPNBS ☑	6500
	4P	NX160FPXDI	7730	NX160FPXBS	7390
200 A	3P	NX200TPXDI	6270	NX200TPXBS	6100
	3P + N	NX200TPNDI ☑	8400	NX200TPNBS ☑	7840
	4P	NX200FPXDI	8850	NX200FPXBS	8510
250 A	3P	NX250TPXDI	8400	NX250TPXBS	8180
	3P + N	NX250TPNDI ☑	10640	NX250TPNBS ☑	10190
	4P	NX250FPXDI	11760	NX250FPXBS	11540
315 A	3P	NX315TPXDI	9970	NX315TPXBS	9740
	3P + N	NX315TPNDI ☑	12990	NX315TPNBS ☑	12880
	4P	NX315FPXDI	12990	NX315FPXBS	13550
400 A	3P	NX400TPXDI	12210	NX400TPXBS	13550
	3P + N	NX400TPNDI ☑	15680	NX400TPNBS ☑	14780
	4P	NX400FPXDI	15460	NX400FPXBS	16800
630 A	3P	NX630TPXDI	19710	NX630TPXBS	21280
	3P + N	NX630TPNDI ☑	24420	NX630TPNBS ☑	22740
	4P	NX630FPXDI	24750	NX630FPXBS	26990

With Enclosure Ref. DIN Type

Rated Operational Current	Poles Description	Reference	Unit MRP [₹]
32 A	3P + N	NX032TPNDIE	3580
63 A	3P + N	NX063TPNDIE ☑	4370
80 A	3P + N	NX080TPNDIE	6940
100 A	3P + N	NX100TPNDIE	7170
125 A	3P + N	NX125TPNDIE	8740
160 A	3P + N	NX160TPNDIE	9410
200 A	3P + N	NX200TPNDIE	10980
250 A	3P + N	NX250TPNDIE	14450
315 A	3P + N	NX315TPNDIE	17810
400 A	3P + N	NX400TPNDIE	20160
630 A	3P + N	NX630TPNDIE	31140

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

Accessories/Spares

Description	Reference	Unit MRP [₹]
NX032/NX063/NX080		
Auxiliary contact for Fupact	NXAA11 ☑	380
Fuse holder for DIN NX032...NX080	NXHD1	150
Handle operating mechanism (HOM) NX032...NX080	NXR1 ☑	280
HOM shaft for NX/32/63/80	NXRS1	170
NX100/NX125/NX160		
Auxiliary contact for Fupact	NXBA11 ☑	450
Fuse holder DIN for BS type NX100...NX160	NXHB21	130
Fuse holder DIN for NX100...NX160	NXHD21	150
Handle operating mechanism NX100...NX160	NXR2 ☑	650
Shaft for HOM for NX100...NX160	NXRS2	170
NX200		
Auxiliary contact for Fupact	NXBA11 ☑	450
Fuse holder for BS type NX200	NXHB22	140
Fuse holder for DIN NX200	NXHD22	170
Handle operating mechanism NX200	NXR2 ☑	650
Shaft for HOM for NX200	NXRS2A	210
NX250/315/400		
Auxiliary contact for Fupact	NXBA11 ☑	450
Handle operating mechanism for NX250...NX400	NXR3	650
Shaft for HOM for NX250…NX400	NXRS3	210
NX250/315/400		
Auxiliary contact for Fupact	NXBA11 ☑	450
Handle operating mechanism for NX630	NXR4	700
Shaft for HOM for NX630	NXRS4	210

☑ NORMAL STOCK ITEMS

W.E.F. May 01, 2012

Price List

May 2012



Make the most of your energy

Schneider Electric India Pvt. Ltd.

Corporate Office: 9th Floor, DLF Building No. 10, Tower C, DLF Cyber City, Phase II, Gurgaon 122002 Haryana
Tel.: ++91 124 3940400 Fax: ++91 124 4222036

Ahmedabad
Schneider Electric India (P) Ltd.
42 A, 4th Floor, Space House,
Opp. Shri Krishna Centre,
Mithakali Six Roads, Ahmedabad- 380009
Tel.: 079-39404000
Fax.: 079-26440368

Bangalore
Schneider Electric India (P) Ltd.
4th floor, Electra, Wing A,
Exora Business Parks, Marathahalli
Sarjapur Outer Ring Road,
Bangalore- 560103
Tel.: 080 4333 3333
Fax: 080 4333 3222

Chandigarh
Schneider Electric India (P) Ltd.
SCO - 13 - 14 - 15, Top Floor,
Sector - 34-A
Chandigarh -160022
Tel.: 0172-5076781 / 82 / 83/ 84
Fax.: 0172-2669043

Chennai
Schneider Electric India (P) Ltd.
No.108/5, 3rd Floor, DBS Westminister
Dr. Radhakrishnan Salai,
(Opp. President Hotel)
Mylapore, Chennai- 600004.
Tel.: 91-44-39143200

Cochin
Schneider Electric India (P) Ltd.
41 / 406- D1, Beejay Towers,
Rajaji Road Cochin- 682035
Tel.: 0484-3048401 /2 /3 /4 /6
Fax.: 0484-3048405

Coimbatore
Schneider Electric India (P) Ltd.
No. -104, Classic Tower, 3rd Floor,
Trichy Road, Coimbatore- 641018
Tel.: 0422-4392729 / 4392927
Fax.: 0422-4392972

Jaipur
Schneider Electric India (P) Ltd.
Jaipur Business Centre 309, 3rd Floor,
Sangam Tower, Church Road,
Jaipur- 302001
Tel.: 0141 4002075
Fax.: 0141-5113303

Jamshedpur
Schneider Electric India (P) Ltd.
The Business Centre Moti Bhavan
Road No.1, Contractor's Area Bistupur
Jamshedpur- 831001
Tel.: 0657-2222757

Kolkata
Schneider Electric India (P) Ltd.
Sugam Business Park, 4th & 5th Floor,
Plot No. J6, Block- GP Sector V,
Salt Lake City, Kolkata- 700091.
Tel.: 033-39404000
Fax.: 033-30248686

Lucknow
Schneider Electric India (P) Ltd.
1st Floor, Asha Bhawan 27 / II -A,
Gokhale Marg, Lucknow- 226001
Tel.: 0522-4006010 /1 /2 /3 /4
Fax.: 0522-4006015

Ludhiana
Schneider Electric India (P) Ltd.
Office No. - 3, 5th Floor, Novelty Plaza
Ferozpur Road, Bhaiwala Chowk
Ludhiana- 140001
Tel.: 0161- 4656672-75
Fax.: 0161- 4656671

Mumbai
Schneider Electric India (P)(Ltd)
Unit no.1141, 1142 Building No. 11,
04th Floor Solitaire Corporate Park,
Andheri Kurla Road,
Chakala Andheri (E) Mumbai- 400059
Tel.: 022-39404000
Fax.: 022-30738800

Nagpur
Schneider Electric India (P) Ltd.
Fortune Business Centre, 6,
Vasant Vihar, W.H.C Road
Shankar Nagar, Nagpur- 440010
Tel.: 0712-2558581
Fax: 0712-2550070

Pune
Schneider Electric India (P) Ltd.
2nd Floor, R.B. Business Centre
Above Puma Showroom
Sanghvi Nagar, Aundh, Pune- 411007
Tel.: 020-39404000
Fax.: 020-30696762

Secunderabad
Schneider Eleclric India (P) Ltd.
401 - 404A, 4th Floor,
Ashoka Bhopal Chambers, S.P. Road
Secundrabad- 500003
Tel.: 04039404000
Fax.: 040-39131313

Vadodara
Schneider Electric India (P) Ltd.
305, Concorde Buliding, 4th Floor,
R.C.Dutt Road Alkapuri
Vadodara - 390007
Tel.: 0265-3940400
Fax.: 0265-2353406

Vishakhapatnam
Schneider Electric India (P) Ltd.
10-1-43, Ratnam's Executive Centre,
Siripuram Fort,
C.B.M.Compound,
Visakhapatnam- 530003
Tel.: 0891 - 2508990
Fax.: 0891 - 6662221

For more information, visit our website at: www.schneider-electric.co.in

Customer Care Centre
Monday-Saturday, 9 a.m. to 8 p.m.
Toll-free numbers: 1800 180 1707, 1800 103 0011
General number: 0124 4222040
Fax number: 0124 4222042
Email: in-care@schneider-electric.com

- All Prices are in Indian Rupees.
- Prices are subject to change without notice.
- Prices charged will be as prevailing on the date of dispatch.
- Maximum Retail Price (MRP) is inclusive of all taxes.

Distributor