

Protection Devices

Miniature Circuit Breakers (MCBs)



- > Protection against Overload and Short Circuit current fault
- > Protection of people against indirect contact in IT and TN earthing systems
- > Suitability for isolation in the industrial sector to IEC/EN 60947-2

Key Benefits

- Widest range: Precise solution for all application
 - > 0.5A to 125A
 - > High breaking capacity range - from 10kA to 50kA
- Low cost with higher performance: Cascading
 - Cascading charts available From ACB-MCCB-MCB level
- Reduce Downtime: Discrimination
 - Discrimination charts available From ACB-MCCB-MCB level
- Easy Installation: Bi – connect terminals
- Increased service life: Fast Closing mechanism
- Field fittable auxiliaries available for advance protection and monitoring
- Field fittable Comm ready auxiliary for remote monitoring of:
 - Status of MCB - ON / OFF / Trip
 - Number of ON / OFF operations
 - Number of tripping due to faults
 - Number of running hours



Green Products

100% Recyclable and Recoverable
REACH and RoHS compliant

Suitable for

ComReady Auxiliary



Protection Devices

Miniature Circuit Breakers (MCBs)

xC60

10kA - IS/IEC 60898-1; IEC/EN 60898-1

15kA - IEC 60947-2

Key Features

- Ensures no accidental contact with live part - Finger-proof IP-20 terminals
- Operational Safety at the downstream - Suitability for Isolation
- Avoids false insertion of cables and loose termination : Pull up terminals
- Total Flexibility : Line-Load reversibility
- Field fittable auxiliaries available for advanced protection & monitoring
- Flexible termination of Busbars and Cables - Bi-Connect terminals
- Suitable for DC application (60VDC/pole)
- Breaking Capacity enhanced to 25kA as per IEC 60947 when backed by Compact NSX MCCBs

Technical Data

Parameter	xC60 MCB
Current Rating	0.5-63A
Poles	1,2,3,4
Rated Voltage	240-415V
Terminal Capacity	Rigid cables upto 35 sqmm Flexible cables upto 25 sqmm
Impulse Withstand Voltage	6KV
Breaking Capacity	10KA as per IEC-60898-1 15KA as per IEC-60947-2
Limitation Class	3
Operating Temperature	-25 to 70°C



MCB xC60					
Poles	Rating (A)	References			Module Width
		B Curve	C Curve	D Curve	
1P					
	0.5	-	A9N1PD5C	-	1
	1	-	A9N1P01C	A9N1P01D	1
	2	-	A9N1P02C	A9N1P02D	1
	3	-	A9N1P03C	A9N1P03D	1
	4	-	A9N1P04C	A9N1P04D	1
	6	A9N1P06B	A9N1P06C	A9N1P06D	1
	10	A9N1P10B	A9N1P10C	A9N1P10D	1
	16	A9N1P16B	A9N1P16C	A9N1P16D	1
	20	A9N1P20B	A9N1P20C	A9N1P20D	1
	25	A9N1P25B	A9N1P25C	A9N1P25D	1
	32	A9N1P32B	A9N1P32C	A9N1P32D	1
	40	A9N1P40B	A9N1P40C	A9N1P40D	1
	50	A9N1P50B	A9N1P50C	A9N1P50D	1
	63	A9N1P63B	A9N1P63C	A9N1P63D	1
2P					
	0.5	-	A9N2PD5C	-	2
	1	-	A9N2P01C	A9N2P01D	2
	2	-	A9N2P02C	A9N2P02D	2
	3	-	A9N2P03C	A9N2P03D	2
	4	-	A9N2P04C	A9N2P04D	2
	6	A9N2P06B	A9N2P06C	A9N2P06D	2
	10	A9N2P10B	A9N2P10C	A9N2P10D	2
	16	A9N2P16B	A9N2P16C	A9N2P16D	2
	20	A9N2P20B	A9N2P20C	A9N2P20D	2
	25	A9N2P25B	A9N2P25C	A9N2P25D	2
	32	A9N2P32B	A9N2P32C	A9N2P32D	2
	40	A9N2P40B	A9N2P40C	A9N2P40D	2
	50	A9N2P50B	A9N2P50C	A9N2P50D	2
	63	A9N2P63B	A9N2P63C	A9N2P63D	2
3P					
	0.5	-	A9N3PD5C	-	3
	1	-	A9N3P01C	A9N3P01D	3
	2	-	A9N3P02C	A9N3P02D	3
	3	-	A9N3P03C	A9N3P03D	3
	4	-	A9N3P04C	A9N3P04D	3
	6	A9N3P06B	A9N3P06C	A9N3P06D	3
	10	A9N3P10B	A9N3P10C	A9N3P10D	3
	16	A9N3P16B	A9N3P16C	A9N3P16D	3
	20	A9N3P20B	A9N3P20C	A9N3P20D	3
	25	A9N3P25B	A9N3P25C	A9N3P25D	3
	32	A9N3P32B	A9N3P32C	A9N3P32D	3
	40	A9N3P40B	A9N3P40C	A9N3P40D	3
	50	A9N3P50B	A9N3P50C	A9N3P50D	3
	63	A9N3P63B	A9N3P63C	A9N3P63D	3
4P					
	0.5	-	A9N4PD5C	-	4
	1	-	A9N4P01C	-	4
	2	-	A9N4P02C	A9N4P02D	4
	3	-	A9N4P03C	A9N4P03D	4
	4	-	A9N4P04C	A9N4P04D	4
	6	A9N4P06B	A9N4P06C	A9N4P06D	4
	10	A9N4P10B	A9N4P10C	A9N4P10D	4
	16	A9N4P16B	A9N4P16C	A9N4P16D	4
	20	A9N4P20B	A9N4P20C	A9N4P20D	4
	25	A9N4P25B	A9N4P25C	A9N4P25D	4
	32	A9N4P32B	A9N4P32C	A9N4P32D	4
	40	A9N4P40B	A9N4P40C	A9N4P40D	4
	50	A9N4P50B	A9N4P50C	A9N4P50D	4
	63	A9N4P63B	A9N4P63C	A9N4P63D	4

**Module width - 18mm/Module

Protection Devices

Miniature Circuit Breakers (MCBs)

C120

10kA & 15kA

IEC/EN-60898-1, IEC 60947-2





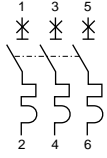

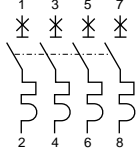
Key Features

- C120N/H are higher rating MCBs for Overload and short-circuit protection
- Ensures no accidental contact with live part - Finger-proof IP-20 terminals
- Avoids false insertion of cables and loose termination : Pull up terminals
- Total Flexibility : Line-Load reversibility
- Operational Safety at the downstream - Suitability for Isolation
- Field fittable auxiliaries available for advanced protection
- Longer product service life : Good overvoltage withstand capacity: products designed to offer a high industrial performance level

Technical Data

Parameter	C120N	C120H
Current Rating	80,100,125	80,100,125A
No. of Poles	1,2,3,4	1,2,3,4
Rated Voltage	240/415V	240/415V
Terminal Capacity	Rigid upto 50 sqmm Flexible upto 35 sqmm	Rigid upto 50 sqmm Flexible upto 35 sqmm
Impulse Withstand Voltage	6KV	6KV
Breaking Capacity	10KA as per IEC 60898-1	15KA per IEC 60898-1
Energy limiting class	3	3
Operating Temperature	-30 to 70°C	-30 to 70°C



MCB C120				
Poles	Rating (A)	C120N	C120H	Module Width
		References C Curve		
1P				
 	80	A9N18357	A9N18446	1.5
	100	A9N18358	A9N18447	1.5
	125	A9N18359	A9N18448	1.5
2P				
 	80	A9N18361	A9N18457	3
	100	A9N18362	A9N18458	3
	125	A9N18363	A9N18459	3
3P				
 	80	A9N18365	A9N18468	4.5
	100	A9N18367	A9N18469	4.5
	125	A9N18369	A9N18470	4.5
4P				
 	80	A9N18372	A9N18479	6
	100	A9N18374	A9N18480	6
	125	A9N18376	A9N18481	6

**Module width - 18mm/Module

Protection Devices

Miniature Circuit Breakers (MCBs)

C60H-DC

250Vdc per Pole

IEC/EN 60947-2

Exclusively designed to take care of all issues in DC installations to ensure complete Short circuit and Overload Protection

Key Features

- Widest Range - 0.5A to 63A
- Ensures no accidental contact with live part - Finger-proof IP-20 terminals
- Avoids false insertion of cables and loose termination: Pull up terminals:
- Operational Safety at the downstream - Suitability for Isolation
- Field fittable auxiliaries available for advanced protection & monitoring



Technical Data

Parameter	C60H-DC
No of Poles	1,2
Rated Voltage	250VDC (1P) 500VDC (2P)
Terminal Capacity	Rigid upto 35 sqmm Flexible upto 25 sqmm
Impulse Withstand Voltage	6kV
Breaking Capacity	6kA
Energy limiting class	3
Operating Temperature	-25 to 70°C



MCB

C60H-DC

Poles	Rating (A)	1P	2P
 1P  2P		References Curve C	
	0.5	A9N61500	A9N61520
	1	A9N61501	A9N61521
	2	A9N61502	A9N61522
	3	A9N61503	A9N61523
	4	A9N61504	A9N61524
	5	A9N61505	A9N61525
	6	A9N61506	A9N61526
	10	A9N61508	A9N61528
	13	A9N61509	A9N61529
	15	A9N61510	A9N61530
	16	A9N61511	A9N61531
	20	A9N61512	A9N61532
	25	A9N61513	A9N61533
	30	A9N61514	A9N61534
	32	A9N61515	A9N61535
40	A9N61517	A9N61537	
50	A9N61518	A9N61538	
63	A9N61519	A9N61539	
Module Width		1	2

**Module width - 18mm/Module

NG125N (25kA) MCB



(NG125N 4P)

Current Rating	10-125A
Poles	1/2/3/4P
Rated Voltage	240/415V
Tripping Curves	B,C,D
Thermal Tripping	40°C
Breaking Capacity	25KA
Degree of Pollution	3
Operating Temperature	-30 to +70°C
Standard	IEC/EN 60947-2

NG125H (36kA) MCB



(NG125H 4P)

Current Rating	10-80A
Poles	1,2,3,4 P
Rated Voltage	240/415V
Tripping Curves	C
Thermal Tripping	40°C
Breaking Capacity	36KA
Degree of Pollution	3
Operating Temperature	-30 to +70°C
Standard	IEC/EN 60947-2

NG125L(50kA) MCB



Current Rating	10-80A
Poles	1,2,3,4P
Rated Voltage	240/415V
Tripping Curves	B,C,D
Thermal Tripping	40°C
Breaking Capacity	50KA
Degree of Pollution	3
Operating Temperature	-30 to +70°C
Standard	IEC/EN 60947-2

UL MCB



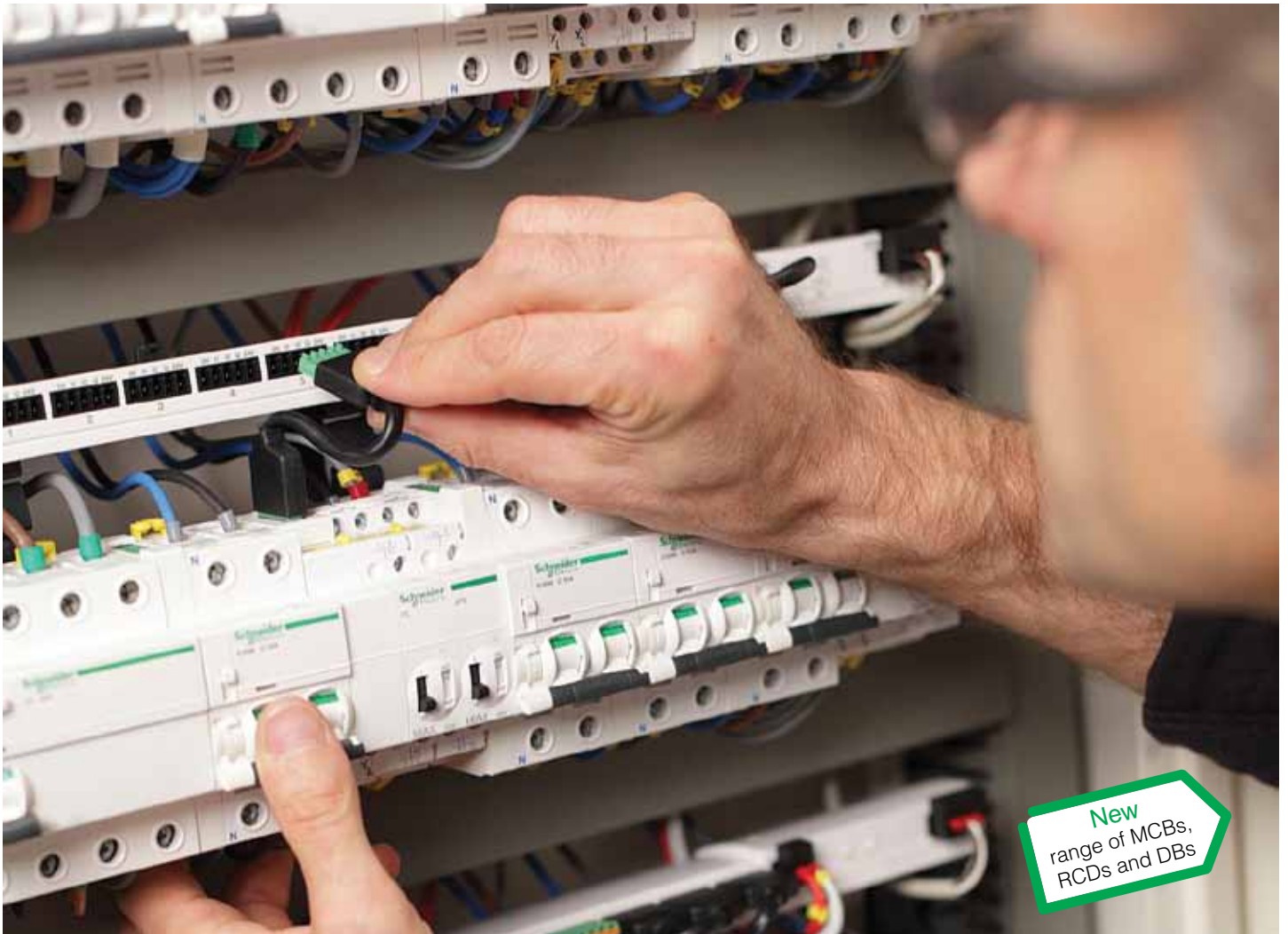
Type	UL_1077 MCB	UL_489 MCB
Poles	1,2,3,4	1,2,3
Tripping Curves	B,C	C
Voltage Rating	240/415	240/415V
Breaking Capacity	10kA	10kA
Degree of Pollution	3	3
Operating Temperature	(-30 to 70°C)	(-30 to 70°C)
Standard	IEC 60947-2/UL 1077/CSA	IEC 60947-2/ UL 489

C60NA-DC



Operating voltage (Ue)	20 A: 650 V DC
	30 A: 500 V DC
	40 A: 400 V DC
	50 A: 300 V DC
Rated insulation voltage (Ui)	1,000 V DC
Rated operational current (Ie)	50A
Impulse voltage (Uimp)	6kV
Number of poles	2P
Standards	IEC/EN 60947-3

** For more details Please contact Schneider-Electric Customer Care Centre (Email: customercare.in@schneider-electric.com)



Build your Installation Efficiently

- > **Cost Efficient**
 - Upto 40%* reduction in Control & Power wiring
 - Upto 25% savings on Installation cost by replacing conventional electrical panels by Distribution Boards
- > **Time Efficient**
 - Upto 15%* time savings on Design and Installation by using smart connections with pre-fabricated wiring
- > **Space Efficient**
 - Upto 35%* reduction in space utilization by using modular FD range



Green Products

100% Recyclable and Recoverable
REACH and RoHS compliant

* Over conventional communication system