

Protection Devices

Residual Current Devices (RCDs)



For Effective Protection against

- > Electrocution due to Direct and Indirect Contact & Earth leakages
- > Personal Protection - 30mA
- > Fire Protection - 100mA & 300mA

Key Benefits

- Widest range: Precise solution for all application
 - > Rating up to 125A
- Easy monitoring: Earth fault indication on front face
- Immunity against nuisance tripping
- New SI RCDs offers enhanced immunity to electrical disturbances and polluted & corrosive environments
- Easy Installation: bi-connect terminals
- Field fittable auxiliaries for advanced protection & monitoring
- Field fittable Comm ready auxiliary for remote monitoring of:
 - Status of RCD - 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

Residual Current Devices (RCDs)

xID & ID125 RCCBs

IEC/EN 61008-1, IS-12640-1

Key Features

- Current Rating upto 125A
- Class AC - for normal installation
- Class Si - for electrically disturbed networks (with harmonics, pulsating DC components etc.) & for harsh environments (presence of corrosive atmosphere chemical gases etc)
- Front face trip on fault indication
- Finger-proof IP-20 terminals - ensures no accidental contact with live part
- Test button to check healthiness
- Intermediate auxiliary required for add-on protection and indication auxiliaries
- ID125 RCCBs are suitable for indication OFsp auxiliary only
- 4P RCCB is also suitable for 3phase 3 wire installation

Technical Data

Type	xID**	xID*	ID 125
Class	AC	Si	AC/Si
Current Rating	25-80A	25-63A	125A
Sensitivity	30/100/300mA	30/300mA	30/100/300mA
Poles	2,4	2,4	2,4
Rated Voltage	230-415V	230-415V	230-400V
Terminal Capacity	Rigid - 35 sqmm	Rigid - 35 sqmm	Rigid - 50 sqmm
	Flexible - 25 sqmm	Flexible - 25 sqmm	Flexible - 35 sqmm
Impulse Withstand Voltage	6KV	6KV	6KV
Operating Temperature	-5 to 40°C	-25 to 40°C	-5 to 40°C



RCDs

xID & ID 125

Poles	Type	Rating (A)	References			Module Width
			30mA	100mA	300mA	
2P						
	AC	25	A9N16201	-	A9N16202	2
		40	A9N16204	A9N16205	A9N16206	2
		63	A9N16208	A9N16209	A9N16210	2
		80	A9N16212	A9N16213	A9N16214	2
		125	16966	-	16967	2
	SI	25	A9N16234	-	-	2
		40	A9N16237	-	-	2
		63	A9N16240	-	A9N16246	2
		125	16972	-	16973	2
		4P				
	AC	25	A9N16251	-	A9N16252	4
		40	A9N16254	A9N16255	A9N16256	4
		63	A9N16258	A9N16259	A9N16260	4
		80	A9N16261	A9N16262	A9N16263	4
		125	16905	16906	16907	4
	SI	25	A9N16321	-	-	4
		40	A9N16324	-	-	4
		63	A9N16327	-	A9N16334	4
		125	16920	-	16921	4

*Contact Customer Care Centre for more details

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 Com 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



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Protection Devices

Miniature Circuit Breakers (MCBs)

xC60

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

15kA - IEC 60947-2

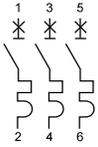
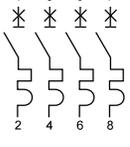
Key Features

- 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