



Acti9 iC60N3/H3 RCBOs

Catalogue 2025



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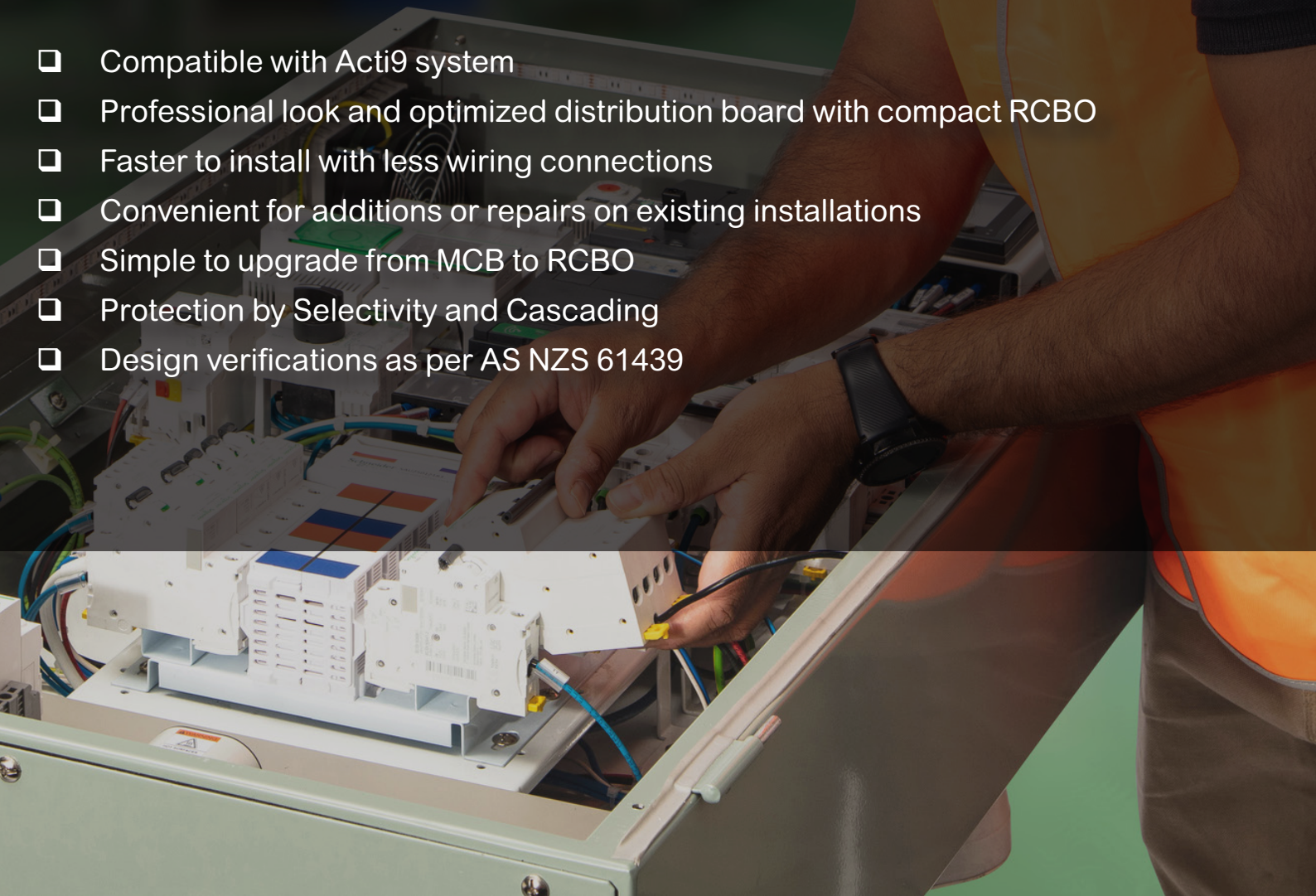


Acti9 iC60N3/H3

Introducing Compact 3 Phase RCBO



- ❑ Compatible with Acti9 system
- ❑ Professional look and optimized distribution board with compact RCBO
- ❑ Faster to install with less wiring connections
- ❑ Convenient for additions or repairs on existing installations
- ❑ Simple to upgrade from MCB to RCBO
- ❑ Protection by Selectivity and Cascading
- ❑ Design verifications as per AS NZS 61439



Connectivity in 3 simple steps

1



RCBO + PowerTag Energy Sensors*

Enable asset management using PowerTag

*A9MEM1570

2



Universal Panel Server

PowerTag link for wireless data concentration.

3



Ecostruxure Energy Hub

Intuitive-to-use software for remote monitoring and control

Ecostruxure™

Innovation At Every Level

Acti9 iC60N3 RCBO

6000 A (10 mA and 30 mA)



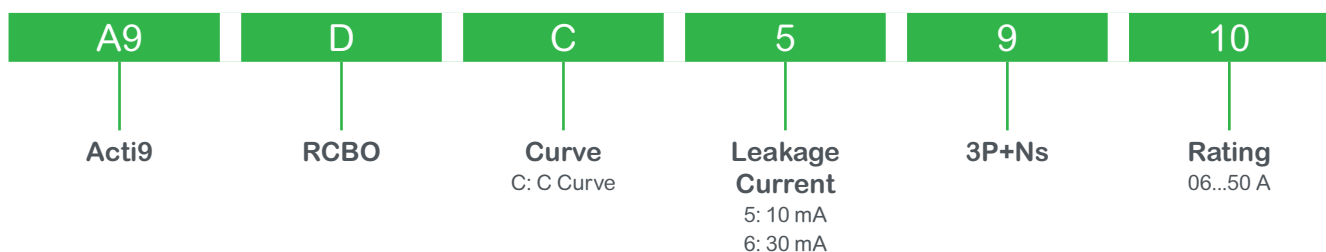
AS/NZS 61009.1

As per the above standards:


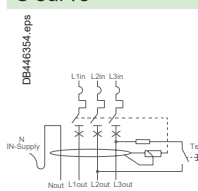
- The three-phase iC60N3 RCBO's self-contained residual current device carries out complete protection of final circuits:
 - protection against short-circuits and cable overloads.
 - protection of persons against electric shock by direct contact (10 mA, 30 mA sensitivities),
- The neutral is not interrupted when the device is tripped. Hence iC60N3 RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.

Alternating current (AC) 50/60 Hz	
Breaking capacity (Icn) according to AS/NZS 61009.1	
Voltage (Ue)	
Ph/N	400 / 415 V
Rating (In) 6...50 A	6000 A

Nomenclature



Catalog numbers

iC60N3 RCBO							
3P+Ns				A 			Width in 9 mm module
C curve	Voltage rating (V)	Rating (In)	Sensitivity(IΔm)	10 mA	30 mA	100 mA	6
	400/415 V		06 A	–	A9DC6906	–	
			10 A	A9DC5910	A9DC6910	–	
			16 A	A9DC5916	A9DC6916	–	
			20 A	A9DC5920	A9DC6920	–	
			25 A	–	A9DC6925	–	
			32 A	–	A9DC6932	–	
			40 A	–	A9DC6940	–	
		50 A	–	A9DC6950	–		
Operating frequency				50/60 Hz			

10000 A (10 mA, 30 mA and 100 mA)



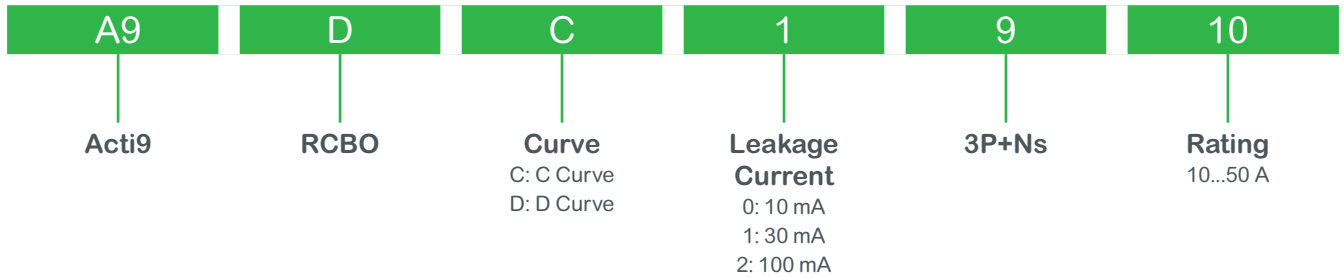
AS/NZS 61009.1

As per the above standards:


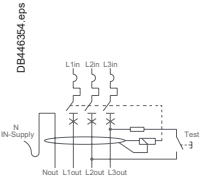
- The three-phase iC60H3 RCBO's self-contained residual current device carries out complete protection of final circuits:
 - protection against short-circuits and cable overloads.
 - protection of persons against electric shock by direct contact (10 mA, 30 mA sensitivities).
 - protection of persons against electric shock by indirect contact (100 mA sensitivity).
- The neutral is not interrupted when the device is tripped. Hence iC60H3 RCBO can be used on most circuits, except for the ones operating under TT or IT earthing systems.


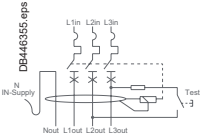
Alternating current (AC) 50/60 Hz	
Breaking capacity (Icn) according to AS/NZS 61009.1	
Voltage (Ue)	
Ph/N	400/415 V
Rating (In) 10...50 A	10000 A

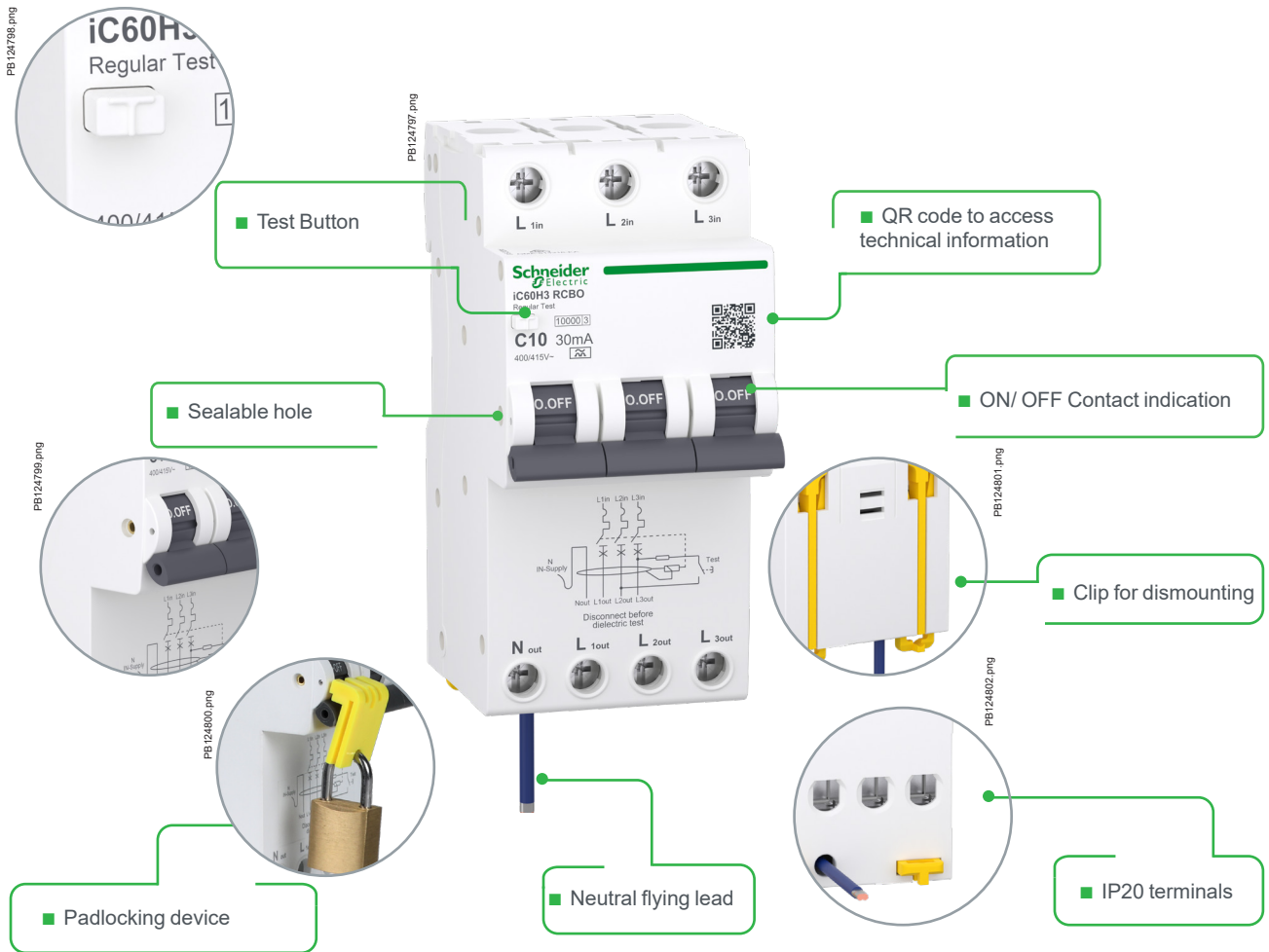
Nomenclature




Catalog numbers

iC60H3 RCBO							
3P+Ns			A 			Width in 9 mm module	
C curve	Voltage rating (V)		Sensitivity(IΔm)	10 mA	30 mA	100 mA	
	400/415 V	Rating (In)	10 A	–	A9DC1910	A9DC2910	6
			16 A	–	A9DC1916	A9DC2916	
			20 A	A9DC0920	A9DC1920	A9DC2920	
			25 A	–	A9DC1925	A9DC2925	
			32 A	–	A9DC1932	A9DC2932	
			40 A	–	A9DC1940	A9DC2940	
			50 A	–	A9DC1950	A9DC2950	
Operating frequency				50/60 Hz			

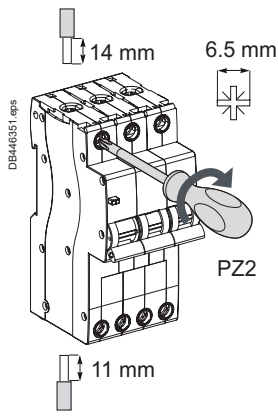
iC60H3 RCBO							
3P+Ns			A 			Width in 9 mm module	
D curve	Voltage rating (V)		Sensitivity(IΔm)	10 mA	30 mA	100 mA	
	400/415 V	Rating (In)	10 A	–	A9DD1910	–	6
			16 A	–	A9DD1916	–	
			20 A	–	A9DD1920	–	
			25 A	–	A9DD1925	–	
			32 A	–	A9DD1932	–	
Operating frequency				50/60 Hz			






AccessoryW

Type	Reference	Suitability	Function	Set of
Padlocking device 	A9A26977	<ul style="list-style-type: none"> iC60H3 iC60N3 	Used to padlock protection device in open position. <ul style="list-style-type: none"> Padlock diameter: 3-4 mm Suitable for IEC/EN 60947-2 compliant disconnection 	5

Connection



Type	Rating	Tightening Torque	Copper Cables	
			Rigid	Flexible
N in and L in	10...50 A	 2.5 N.m PB124659 eps	 PB124659 eps 1...25 mm ²	 PB124660 eps 1...16 mm ²
L out and N out			1...25 mm ²	1...16 mm ²

6000 A-10000 A (10 mA, 30 mA and 100 mA)

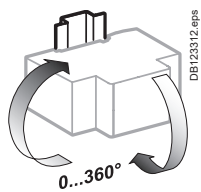
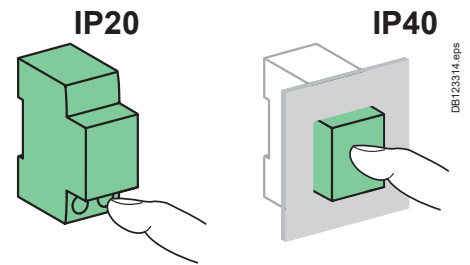
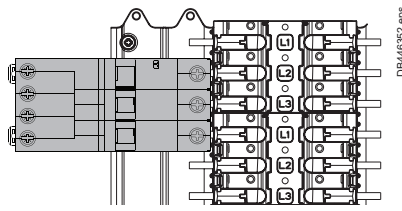
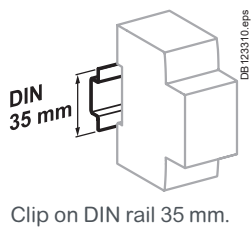
Technical data

Main characteristics

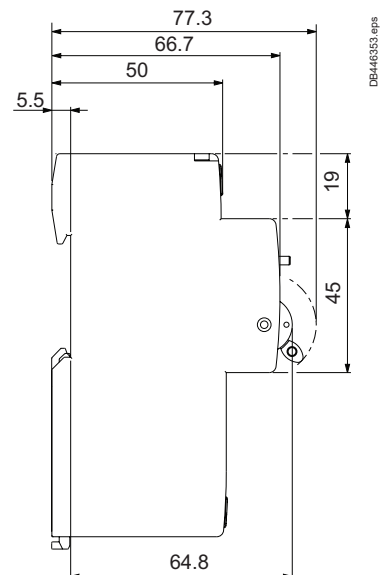
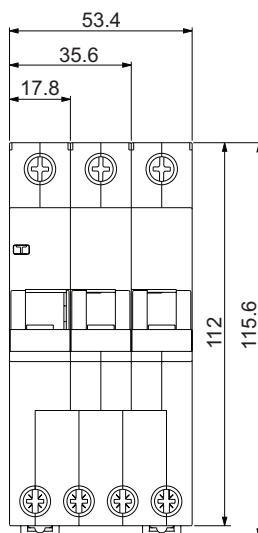
Insulation voltage (Ui)	500 V AC	
Rated impulse withstand voltage (Uimp)	4 kV	
Rated residual operating current (IΔn)	10 mA, 30 mA, 100 mA	
Thermal tripping reference temperature	30°C	
Temperature derating	Refer to Acti9 iC60H3/N3 technical guide on Schneider Electric website	
Limitation class	3	
Surge current withstand (8/20 μs) without tripping	250 A	
Rated nominal breaking capacity (Icn)	iC60H3	10,000 A
	iC60N3	6,000 A
Phase/earth rated residual breaking and making capacity (IΔm)	6,000 A	

Additional characteristics

Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	5,000 cycles
	Mechanical	20,000 cycles
Operating temperature	-5...+60°C	
Storage temperature	-25...+70°C	
Tropicalisation	Treatment 2 (relative humidity 95 % at 55°C)	



Dimension (mm)



Weight (g)

Type	Weight (g)
iC60H3/N3 RCBO	462

Life Is On | **Schneider**
Electric

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01-2025
CA902086E

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