



Acti9 iC60H3 RCBOs

Catalogue 2023



se.com

Life Is On

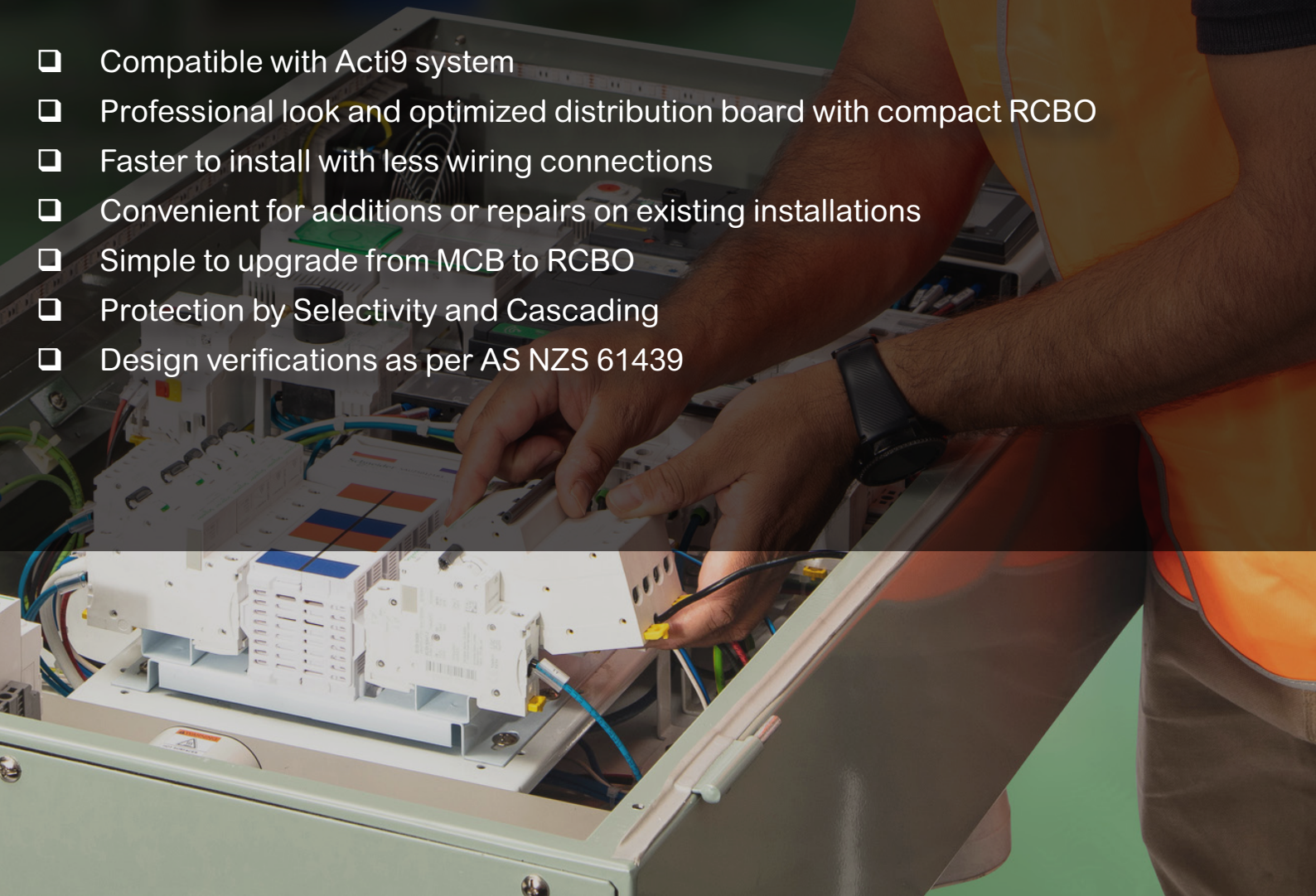
Schneider
Electric

Acti9 iC60H3

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

10000 A / 10, 30 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, 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 (I_{cn}) according to AS/NZS 61009.1

Voltage (U_e)

Ph/N

400 - 415 V

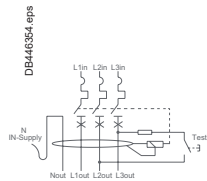
Rating (I_n) 10 to 50 A

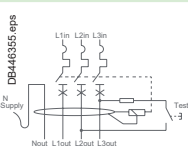
10000 A

Nomenclature

A9	D	C	1	9	10
Acti9	RCBO	Curve C: C Curve D: D Curve	Leakage Current 0: 10 mA 1: 30 mA 2: 100 mA	3P+N _s	Rating 10...50 A

Catalog numbers

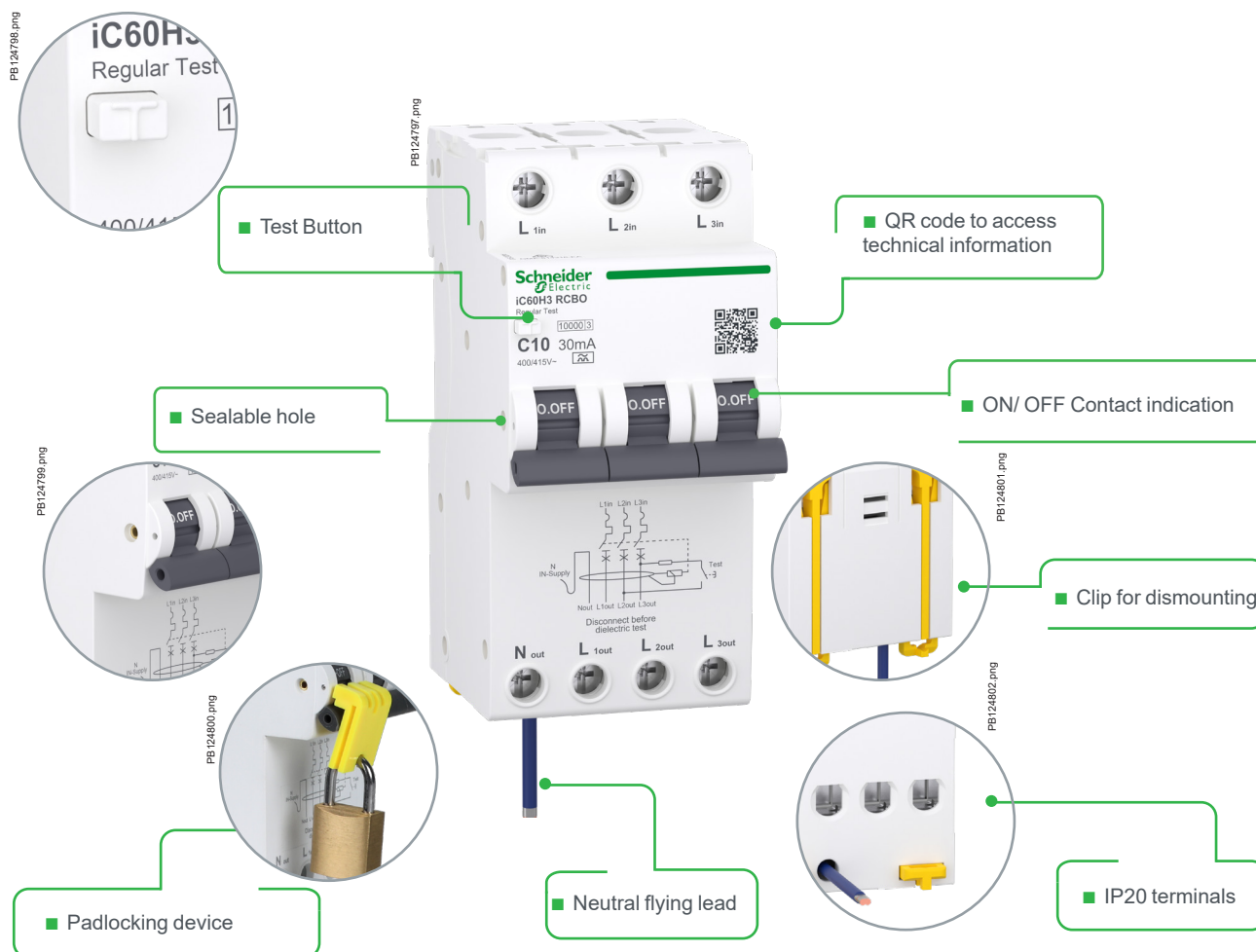
iC60H3 RCBO							
3P+N _s				A 			Width in 9 mm module
C curve	Voltage rating (V)		Sensitivity(IΔm)	10 mA	30 mA	100 mA	
	400-415 V	Rating (I _n)	10 A	—	A9DC1910	A9DC2910	6
			16 A	—	A9DC1916	A9DC2916	
			20 A	A9DC0920	A9DC1920	A9DC2920	
			25 A	—	A9DC1925	A9DC2925	
			32 A	—	A9DC1932	A9DC2932	
			40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

iC60H3 RCBO							
3P+N _s				A 			Width in 9 mm module
D curve	Voltage rating (V)		Sensitivity (I Δ m)	10 mA	30 mA	100 mA	
	400-415 V	Rating (I _n)	10 A	—	A9DD1910	—	6
			16 A	—	A9DD1916	—	
			20 A	—	A9DD1920	—	
			25 A	—	A9DD1925	—	
			32 A	—	A9DD1932	—	
Operating frequency				50...60 Hz			

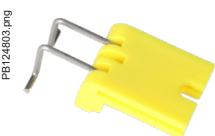
Acti9 iC60H3 RCBO

10000 A / 10, 30 and 100 mA

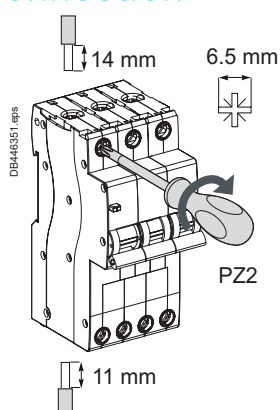
www.se.com



Accessory

Type	Reference	Suitability	Function	Set of
Padlocking device 	A9A26977	iC60H3	Used to padlock protection device in open position. - 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	1 to 25 mm ²	1 to 16 mm ²
L out and N out		2.5 N.m	1 to 25 mm ²	1 to 16 mm ²

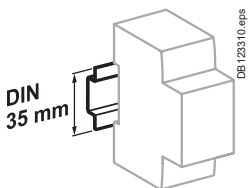
Technical data

Main characteristics

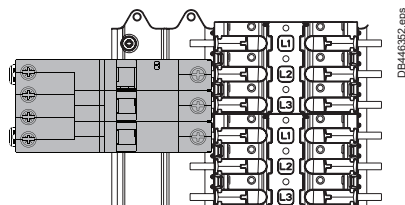
Insulation voltage (Ui)	500 V AC
Rated impulse withstand voltage (Uimp)	4 kV
Rated residual operating current (IΔn)	10, 30, 100 mA
Thermal tripping reference temperature	30°C
Temperature derating	Refer to Acti9 iC60H3 technical guide on Schneider Electric website
Limitation class	3
Surge current withstand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

Additional characteristics

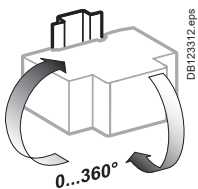
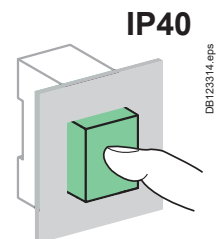
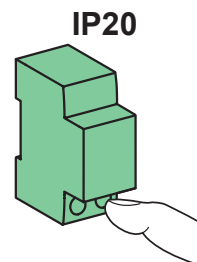
Degree of protection	Device only	IP20
	Device in modular enclosure	IP40
Endurance (O-C)	Electrical	5,000 cycles
	Mechanical	20,000 cycles
Operating temperature		-5...+60°C
Storage temperature		-25...+70°C
Tropicalisation		Treatment 2 (relative humidity 95 % at 55°C)



Clip on DIN rail 35 mm.

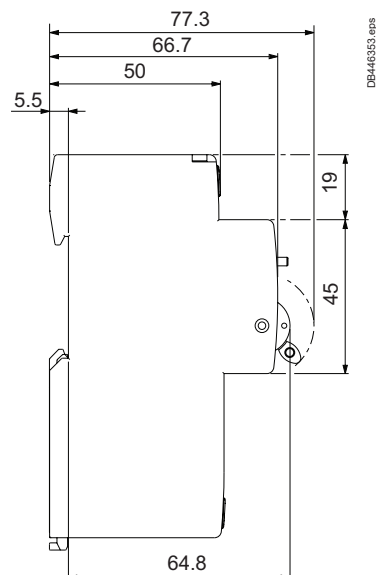
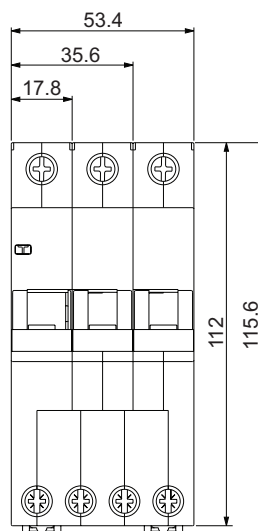


Installation on Chassis.



Indifferent position of installation.

Dimension (mm)



Weight (g)

Type	
iC60H3 RCBO	462



Green Premium™

Endorsing eco-friendly products in the industry



Green Premium is the only label that allows you to effectively develop and promote an environmental policy whilst preserving your business efficiency. This ecolabel guarantees compliance with up-to-date environmental regulations, but it does more than this.

Over 75% of Schneider Electric manufactured products have been awarded the Green Premium ecolabel



Discover what we mean by green ...

Check your products!

Schneider Electric's Green Premium ecolabel is committed to offering transparency, by disclosing extensive and reliable information related to the environmental impact of its products:

RoHS

Schneider Electric products are subject to RoHS requirements at a worldwide level, even for the many products that are not required to comply with the terms of the regulation. Compliance certificates are available for products that fulfil the criteria of this European initiative, which aims to eliminate hazardous substances.

REACH

Schneider Electric applies the strict REACH regulation on its products at a worldwide level, and discloses extensive information concerning the presence of SVHC (Substances of Very High Concern) in all of its products.

PEP: Product Environmental Profile

Schneider Electric publishes complete set of environmental data, including carbon footprint and energy consumption data for each of the lifecycle phases on all of its products, in compliance with the ISO 14025 PEP ecopassport program. PEP is especially useful for monitoring, controlling, saving energy, and/or reducing carbon emissions.

EoLI: End of Life Instructions

Available at the click of a button, these instructions provide:

- Recyclability rates for Schneider Electric products
- Guidance to mitigate personnel hazards during the dismantling of products and before recycling operations
- Parts identification for recycling or for selective treatment, to mitigate environmental hazards/ incompatibility with standard recycling processes

Life Is On



Schneider Electric (Australia) Pty. Ltd.

Head Office
2 Banfield Road, Macquairie Park, NSW, 2113
New South Wales
Phone: 13 73 28 (13SEAU)

Customer Service

telephone: 13 73 28 (13SEAU)
e-mail: customercare.au@se.com
website: www.se.com/au

10-2023
CA902086E

© 2023 - Schneider Electric. All Rights Reserved.
All trademarks are owned by Schneider Electric Industries SAS or its affiliated companies.

This document has been
printed on recycled paper

