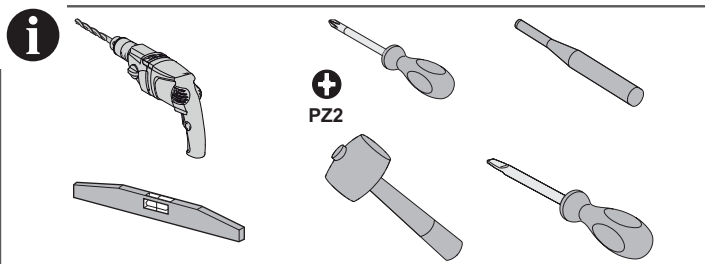




Schneider
Electric™



PLEASE NOTE

- The installation, maintenance and eventual replacement of this device must only be carried out by a qualified electrician.
- This device must not be repaired.
- All applicable local, regional and national regulations must be complied with during the installation, use, maintenance and replacement of this device.
- This device should not be installed if, when unpacking it, you observe that it is damaged.
- Schneider Electric cannot be held responsible in the event of noncompliance with the instructions in this document and in the documents to which it refers.
- The service instruction must be observed throughout the life time of this device.
- It is recommended to use Schneider Electric products for better performance.

⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Turn off all power supplying this device before working on it.
- Use a voltage tester with a suitable rated voltage in order to check that all active conductors aren't energized.
- Carefully inspect the work area to check that no tools or objects could have been left inside the equipment.
- Install Neutral Shroud and Tooth Caps in order to comply with protection rating IP20
- DO NOT install/uninstall tooth caps/devices with isolating busbar switch ON.
- Ensure tooth caps to cover the outgoing links in the absence of devices.
- Failure to follow these instructions will result in death or serious injury.

⚠ Warning

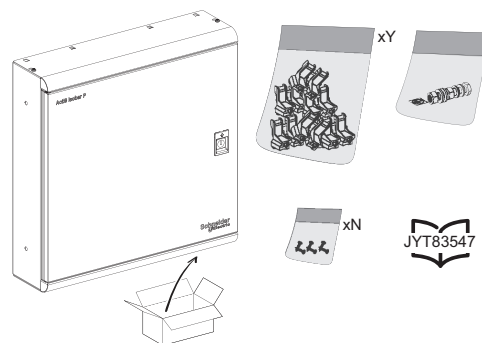
HAZARD OF FALLING OR HANDLING THE PRODUCT

The large enclosures should be moved/lifted by a minimum of two people to avoid personal injury/damage to the equipment.
Failure to follow these instructions will result in death or serious injury, or equipment damage.

1 Unboxing

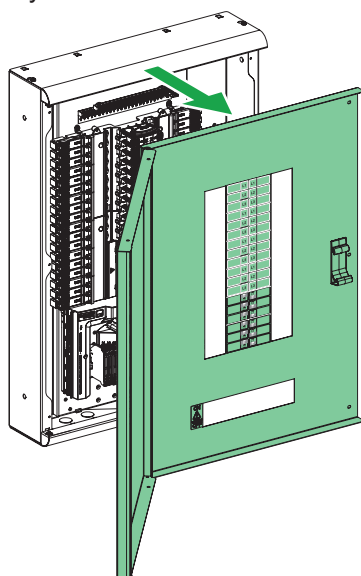
Hybrid	xN	xY	Description
SEA9BPN8AFD6	1	1	A9 Isobar Hybrid DB 8 TPN 6 AFDD ways
SEA9BPN14AFD6	1	1	A9 Isobar Hybrid DB 14 TPN 6 AFDD ways
SEA9BPN10AFD12	1	1	A9 Isobar Hybrid DB 10 TPN 12 AFDD ways

Standalone	xN	xY	Description
SEA9BPNAFD12	1	1	A9 Isobar Standalone DB 12 AFDD ways
SEA9BPNAFD24	1	2	A9 Isobar Standalone DB 24 AFDD ways
SEA9BPNAFD36	2	3	A9 Isobar Standalone DB 36 AFDD ways

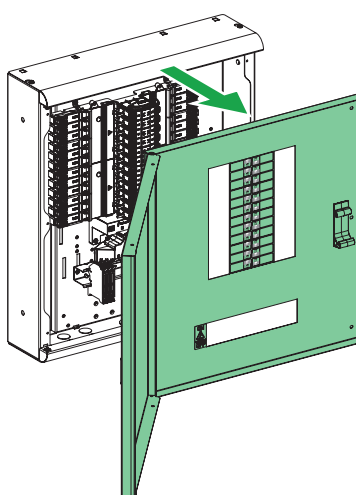


2 Removal of Door Cover Assembly

Hybrid SEA9BPN●●AFD●●



Standalone SEA9BPNAFD●●

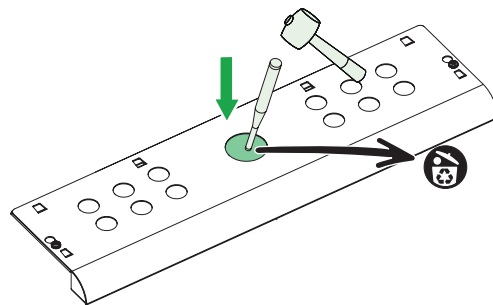
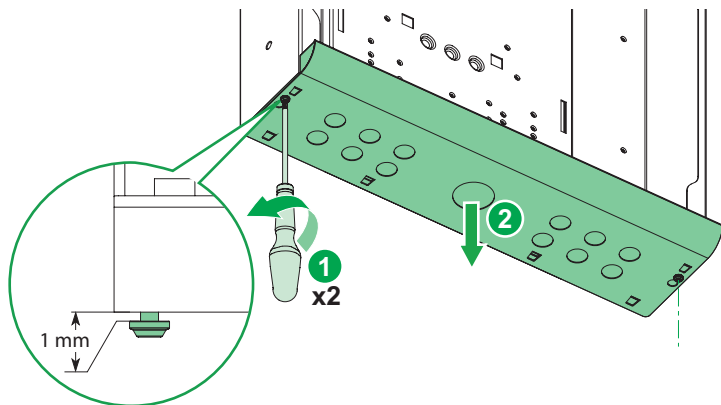


3

Cable Entry Knockouts

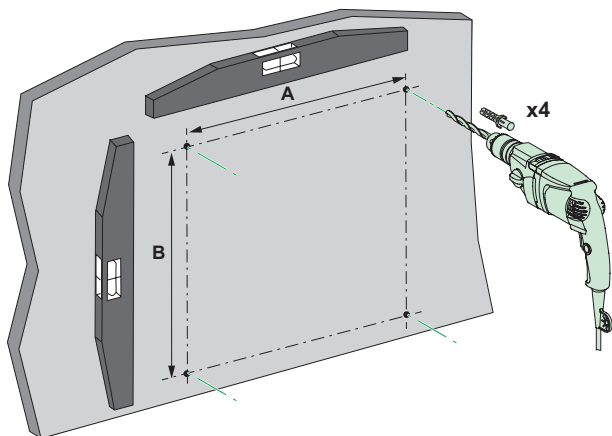
PLEASE NOTE

- Remove the minimum number of knockouts required for the incoming and outgoing cables to pass through easily.
- IP rating shall be maintained, suitable cable protection shall be applied with appropriate conduit.
- It is recommended that the gland plate is removed prior to drilling or knock-out removal.



4

Wall Installation



Hybrid	Dim A (mm)	Dim B (mm)
SEA9BPN8AFD6	380	602
SEA9BPN14AFD6	380	764
SEA9BPN10AFD12	380	764

Standalone	Dim A (mm)	Dim B (mm)
SEA9BPN8AFD6	380	440
SEA9BPN14AFD6	380	710
SEA9BPN10AFD12	380	926

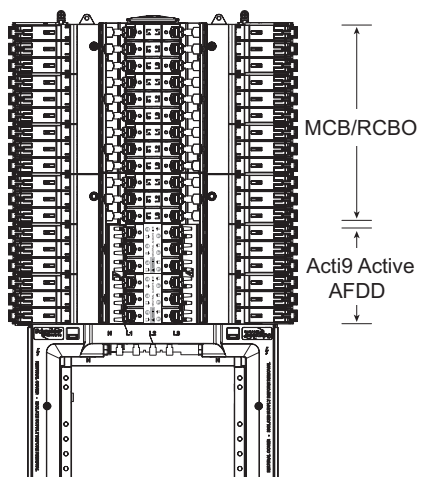
⚠ ⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION OR ARC FLASH

- Install this product in accordance with National Wiring Regulation.
- iC60H RCBO PoN is only compatible with ISOBAR P.
- iCV40H AFDD to be used with Hybrid and Standalone.
- Failure to follow these instructions will result in death or serious injury.



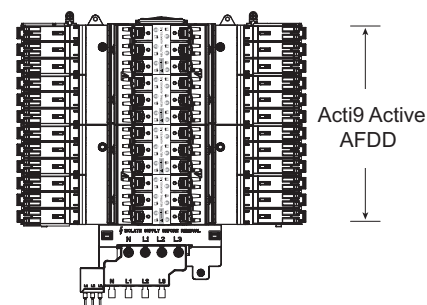
Hybrid Acti9 Active AFDD Board



Page 3 - 6 Step 5a - Hybrid Isobar

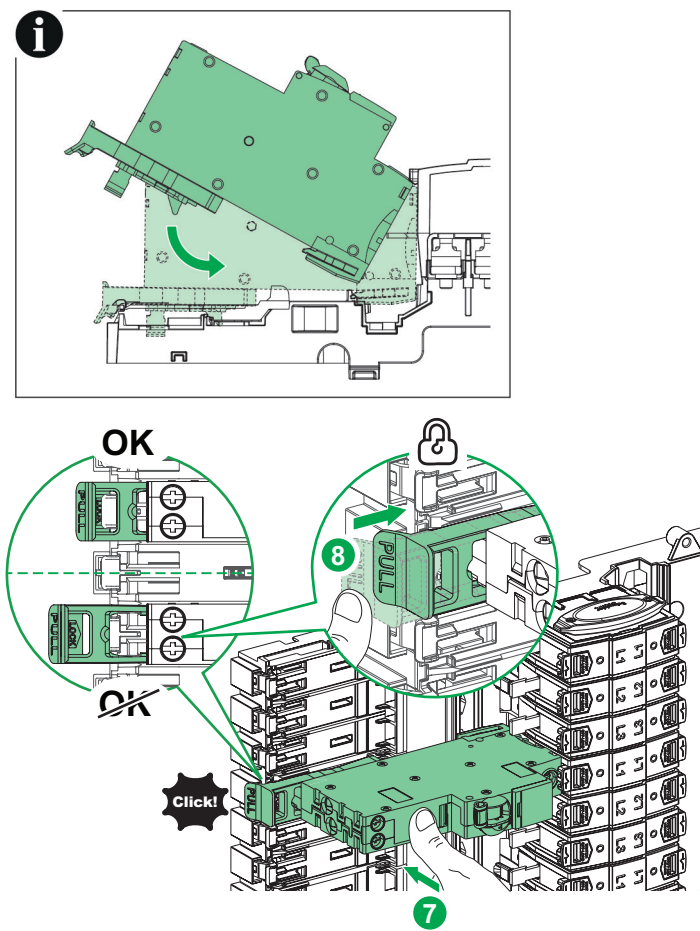
Page 6 - 8 Step 5b - Standalone Isobar

Standalone Acti9 Active AFDD Board

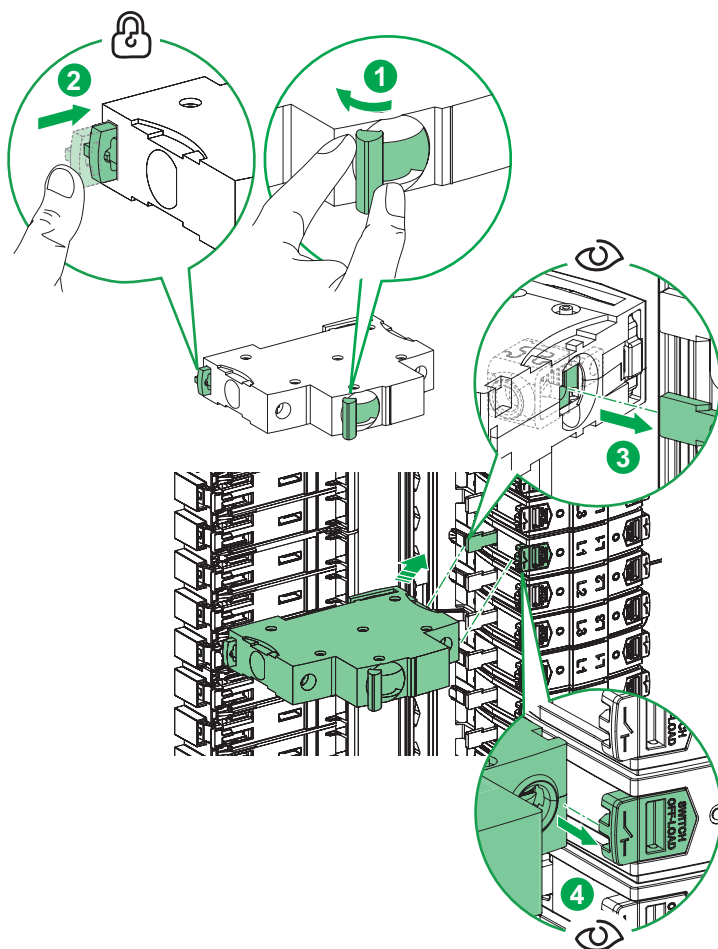


5a.1 Installation

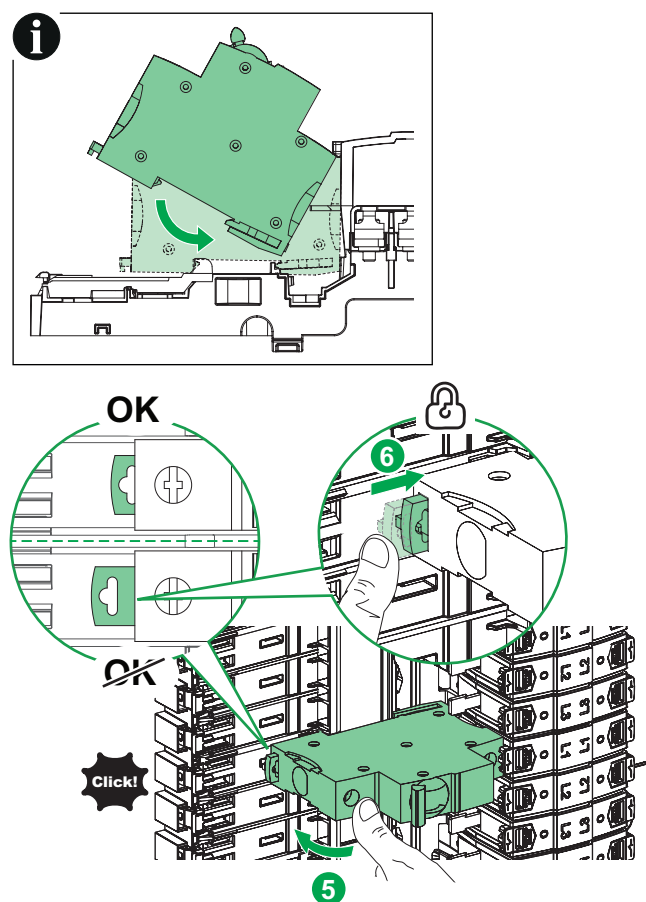
5a.1.4 Install iC60 RCBO PoN into Isobar P Hybrid Acti9 Active AFDD Board



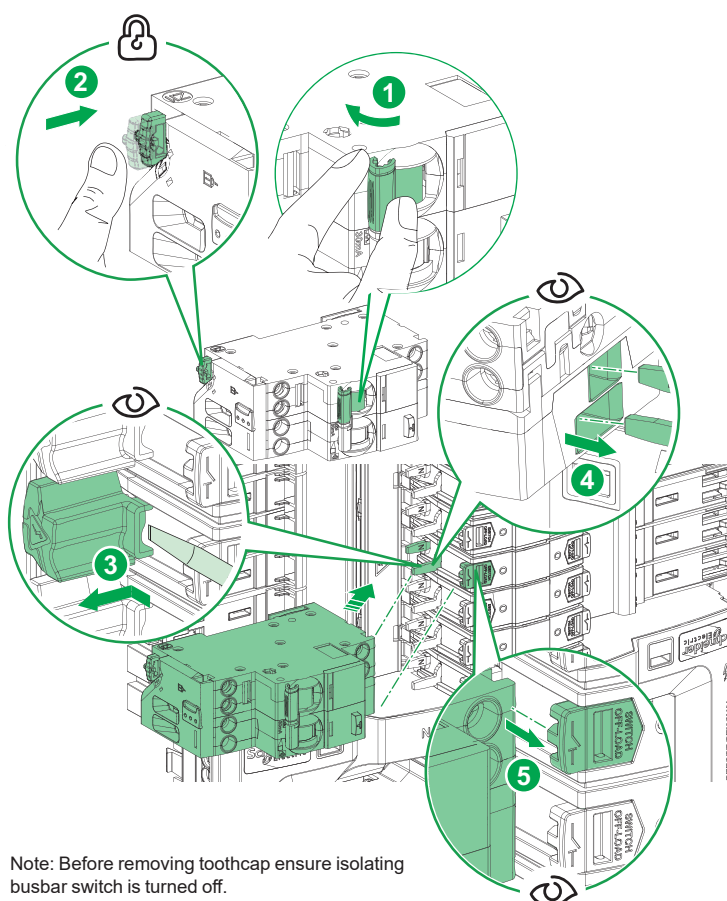
5a.1.5 Install MCB into Isobar P Hybrid Acti9 Active AFDD Board (Cont.)



5a.1.5 Install MCB into Isobar P Hybrid Acti9 Active AFDD Board



5a.1.6 Install AFDD into Isobar P Hybrid Acti9 Active AFDD Board (Cont.)

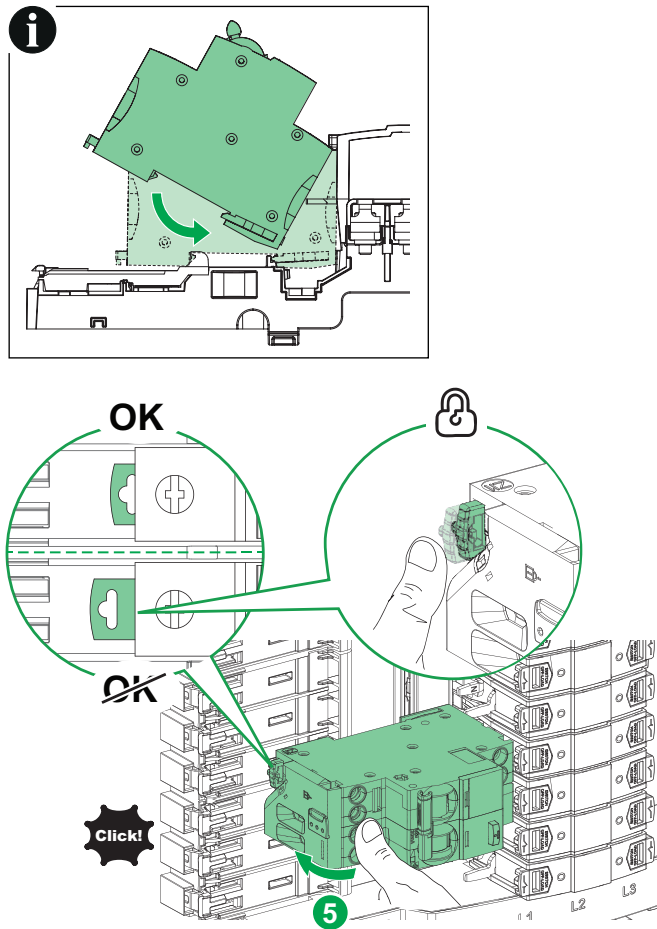


Note: Before removing toothcap ensure isolating busbar switch is turned off.

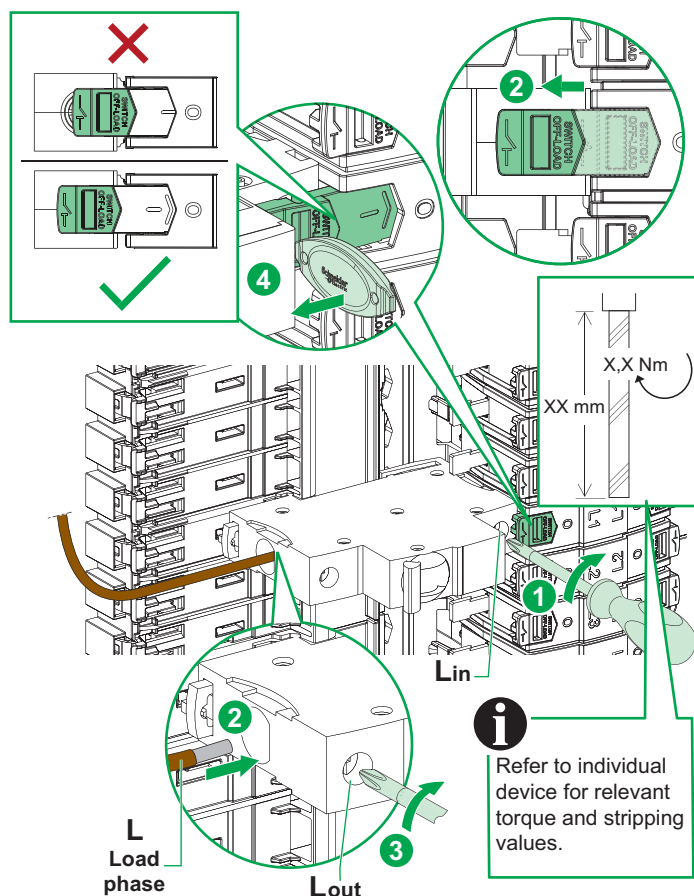
5a.1

Installation

5a.1.6 Install AFDD into Isobar P Hybrid Acti9 Active AFDD Board



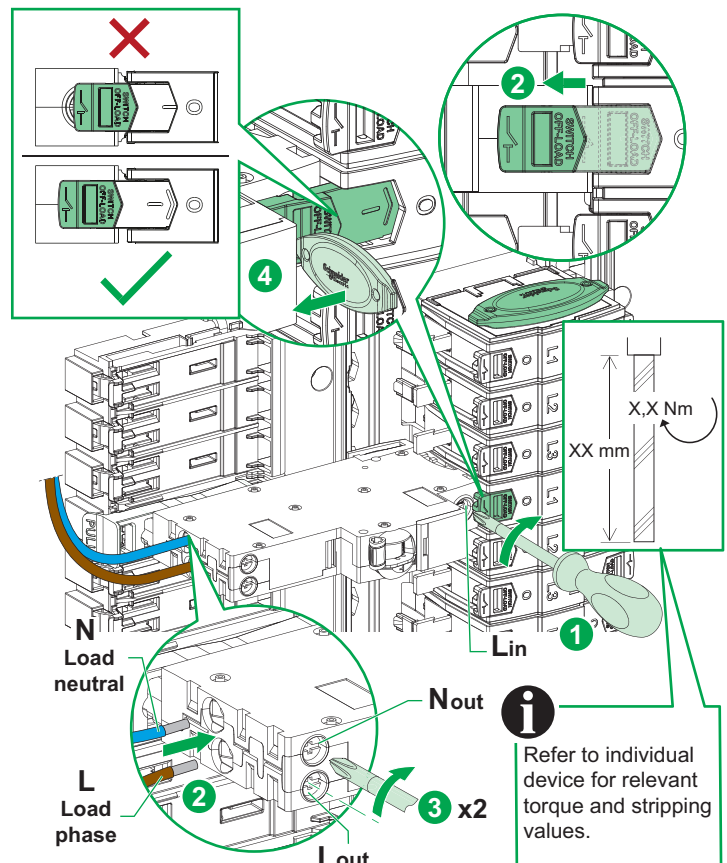
5a.2.2 Connect MCB into Isobar P Hybrid Acti9 Active AFDD Board



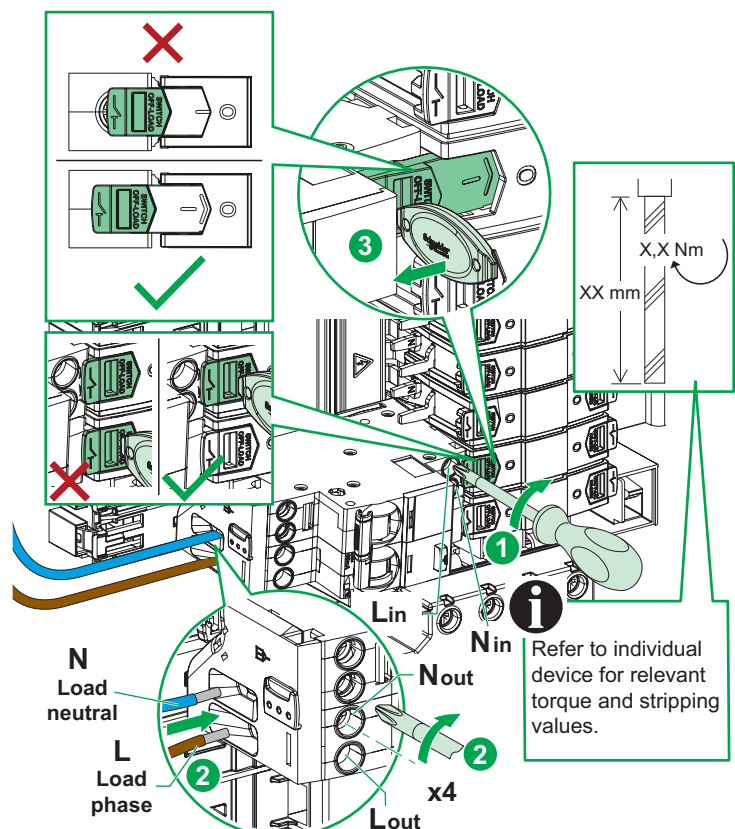
5a.2

Connection

5a.2.1 Connect iC60H RCBO PoN into Isobar P Hybrid Acti9 Active AFDD Board



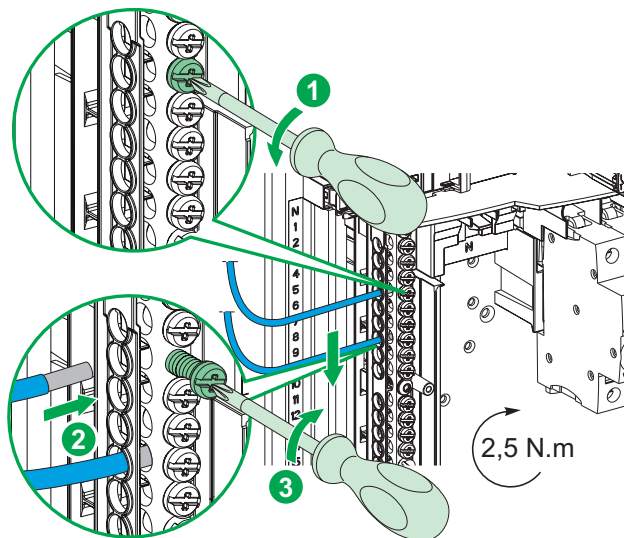
5a.2.3 Connect AFDD into Isobar P Hybrid Acti9 Active AFDD Board



Note: The functional isolating busbar switch is above the AFDD terminals. Only functional isolating busbar switch should be operated.

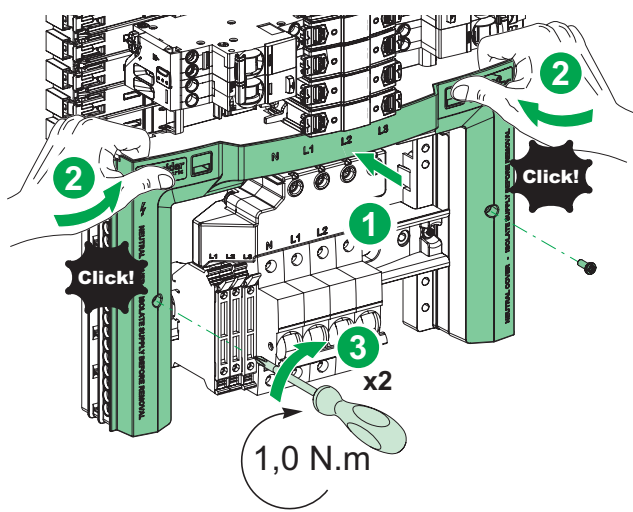
5a.2 Connection

5a.2.4 Neutral Wiring Connection for MCB and iC60H RCBO Only



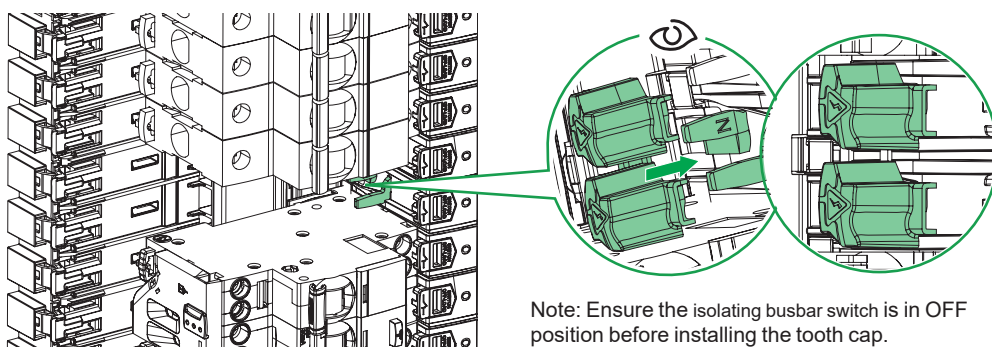
ISOBAR P Type B Neutral Top Terminal Bars (1 to 9)			
	Max. size (mm ²)	Min. size (mm ²)	Strip length (mm)
Rigid Cable CSA	25	1	16
Flexible Cable CSA	16	1	16

5a.2.5 Install Neutral Shroud into Isobar P Hybrid Acti9 Active AFDD Board



ISOBAR P Type B Neutral Bottom Terminal Bars (10 to 18)			
	Max. size (mm ²)	Min. size (mm ²)	Strip length (mm)
Rigid Cable CSA	16	1	10
Flexible Cable CSA	10	1	10

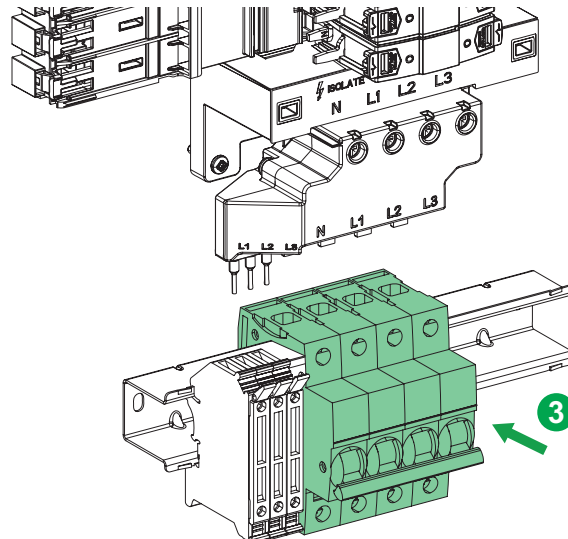
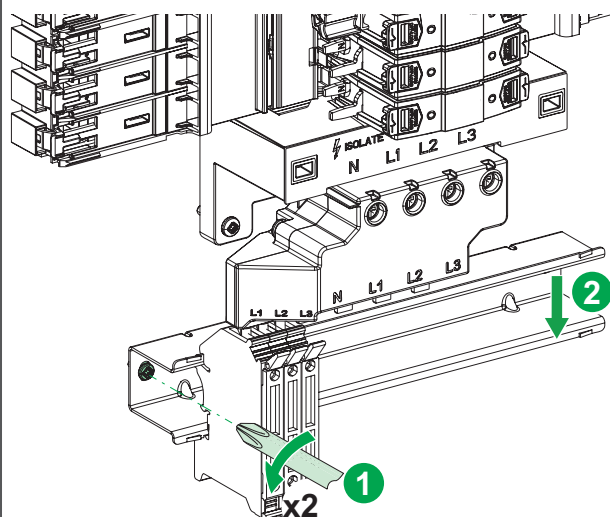
5a.2.6 Use Tooth Caps for Unused Ways



Acti9 Isobar P - Active AFDD Standalone Board - SEA9BPNAFD●●

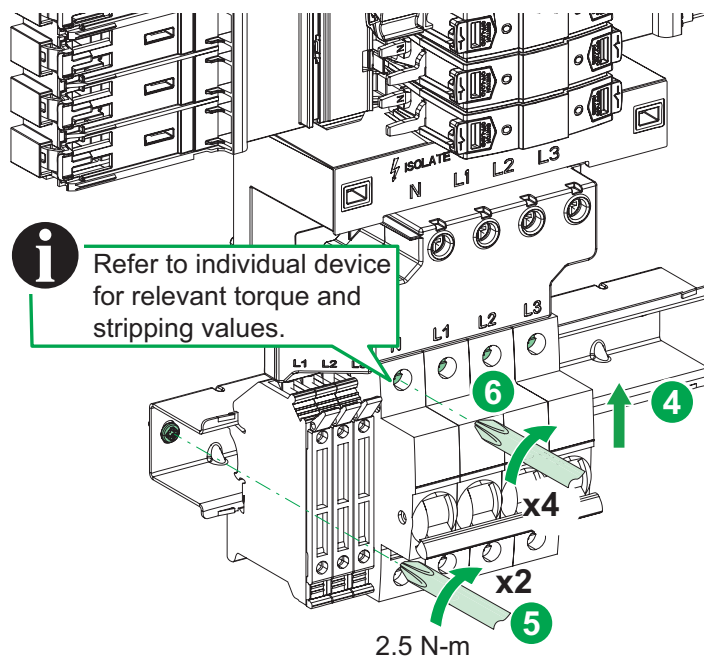
5b.1 Installation

5b.1.1 Installation of Incoming Device (Cont.)

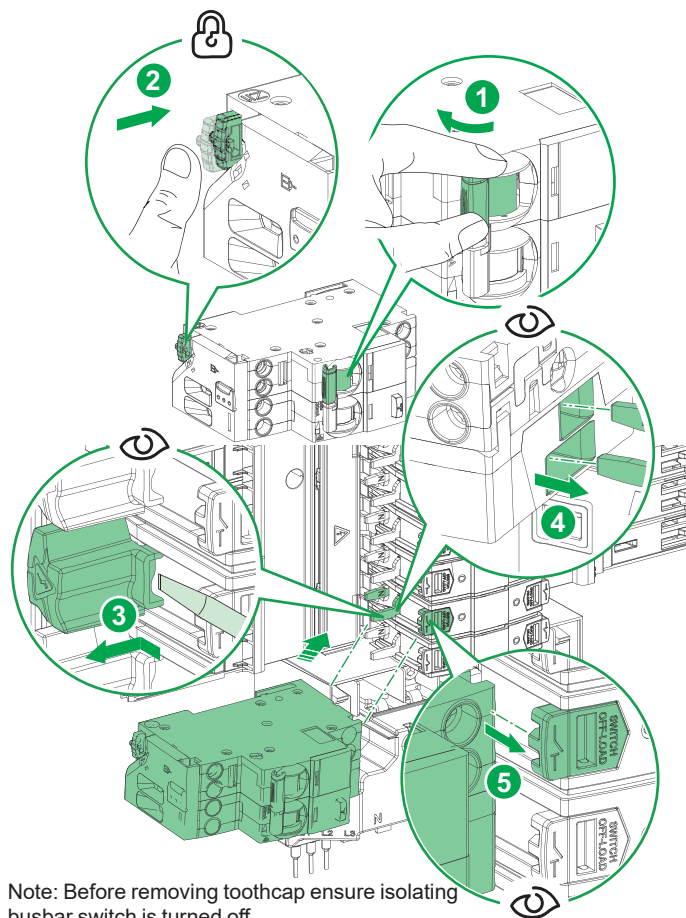


5b.1 Installation

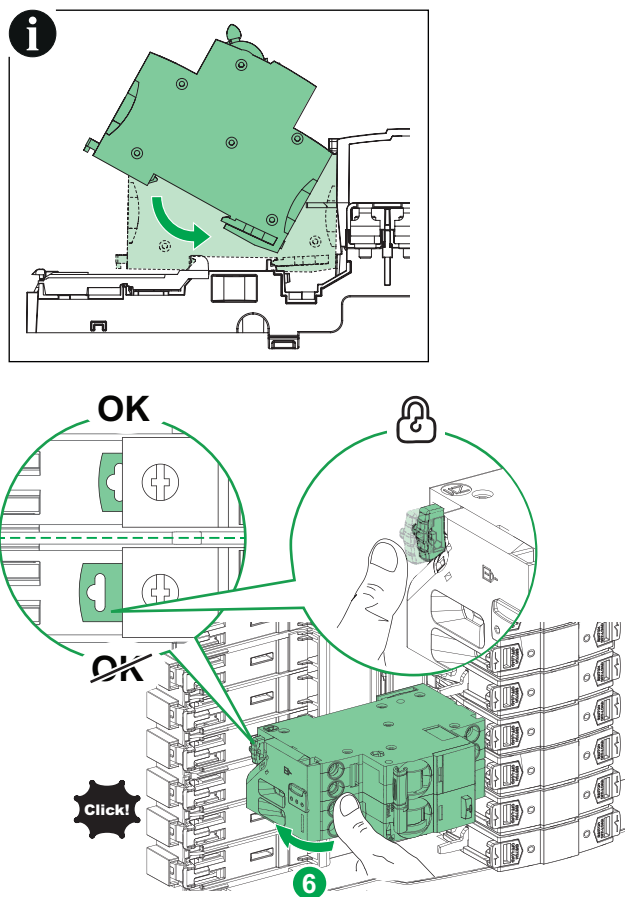
5b.1.1 Installation of Incoming Device



5b.1.2 Install AFDD into Isobar P Standalone Acti9 Active AFDD Board (Cont.)

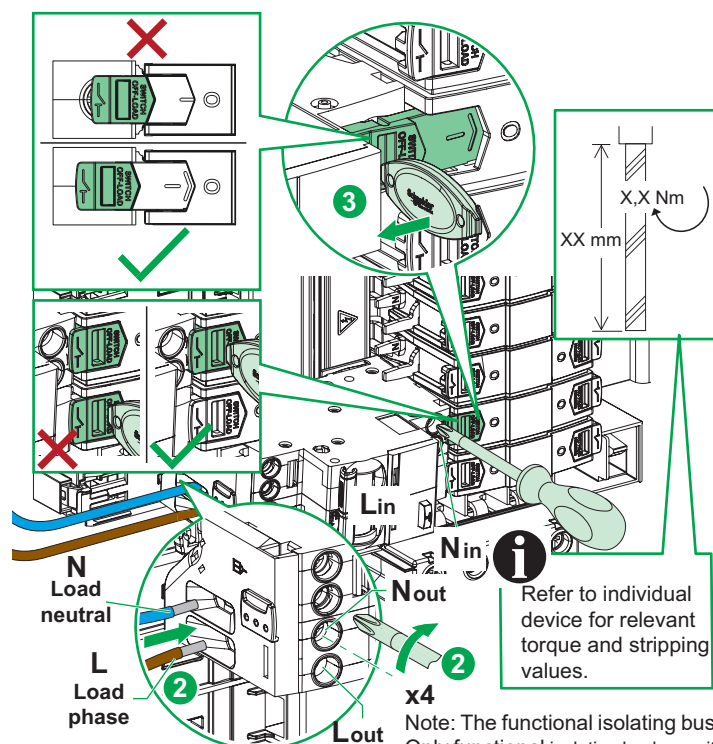


5b.1.2 Install AFDD into Isobar P Standalone Acti9 Active AFDD Board

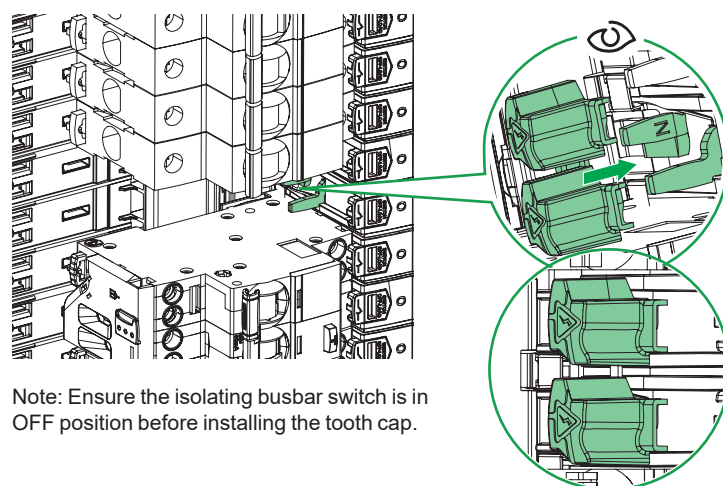


5b.2 Connection

5b.2.1 Connect AFDD into Isobar P Standalone Acti9 Active AFDD Board



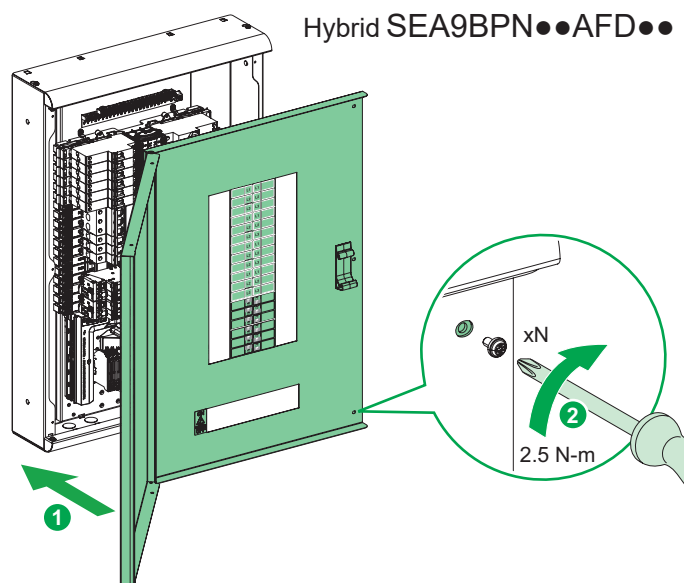
5b.2.2 Use Tooth Caps for Unused Ways



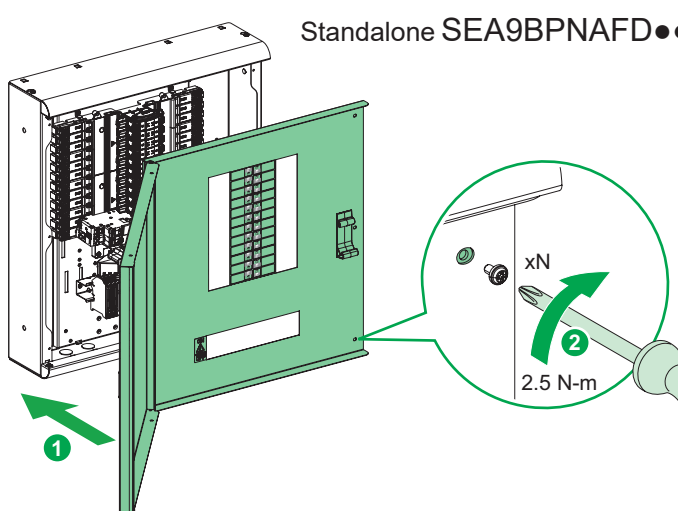
Note: Ensure the isolating busbar switch is in OFF position before installing the tooth cap.

6 Installation of Door/Cover Assembly

Hybrid SEA9BPN●●AFD●●

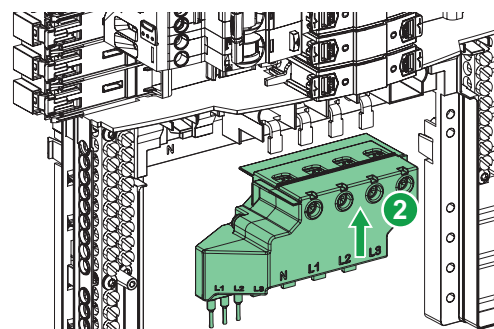
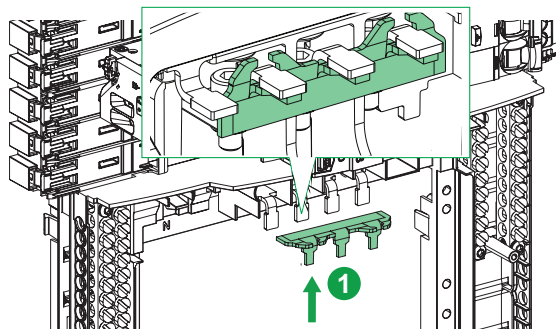
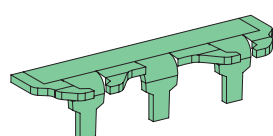


Standalone SEA9BPNAFD●●



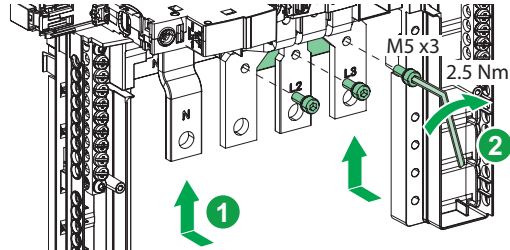
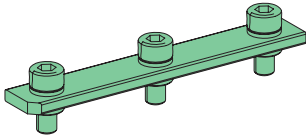
7 Accessories

7.1 Single Phasing Kits ≤ Connection 125A SEA9P125SPKIT



Compatibility Reference	Hybrid	Standalone
SEA9P125SPKIT	Yes	Yes

7.2 Single Phase Kit 250A – SEA9250SPEV

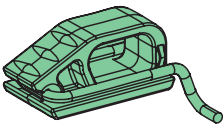


i To finish off installation, please refer to the below instruction sheet.

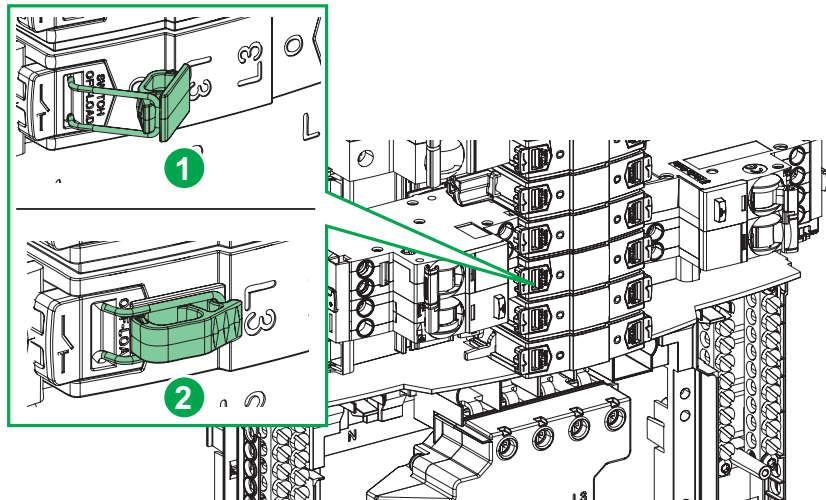
PHA40643

Compatibility Reference	Hybrid	Standalone
SEA9250SPEV	Yes	No

7.3 Isobar Isolating Busbar Switch Padlock SEA9ISOPLA

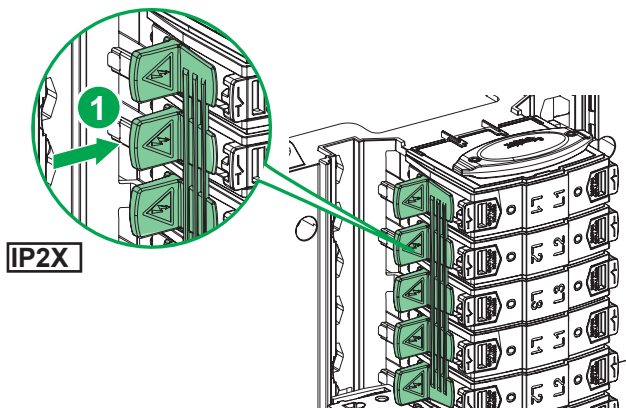
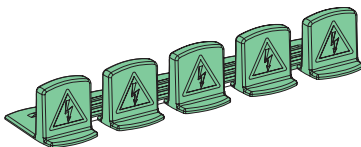


Note: Use for safety and maintenance



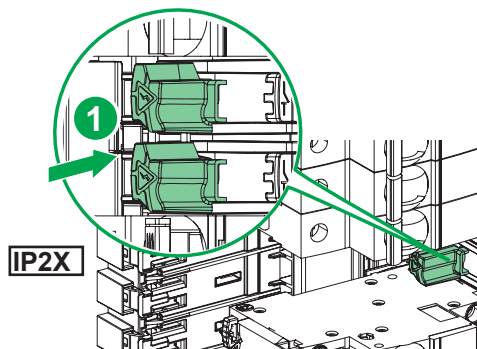
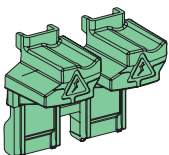
Compatibility Reference	Hybrid	Standalone
SEA9ISOPLA	Yes	Yes

7.4 Tooth Caps A9XPT920 for MCB/RCBO Section Hybrid



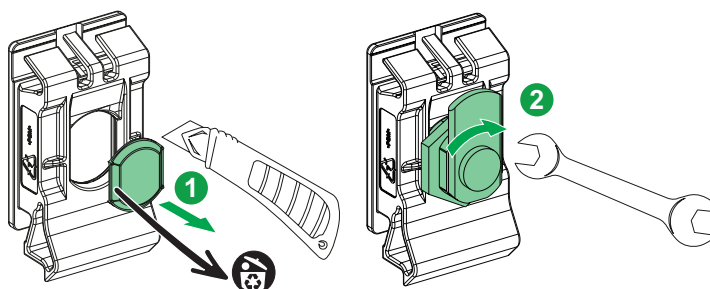
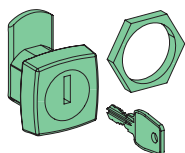
Compatibility Reference	Hybrid	Standalone
A9XPT920	Yes	No

7.5 Tooth Caps SEA9PNBOOTS for Acti9 Active AFDD Section



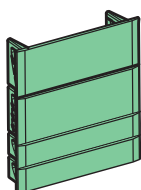
Compatibility Reference	Hybrid	Standalone
SEA9PNBOOTS	Yes	Yes

7.6 Door Lock SEA9BL

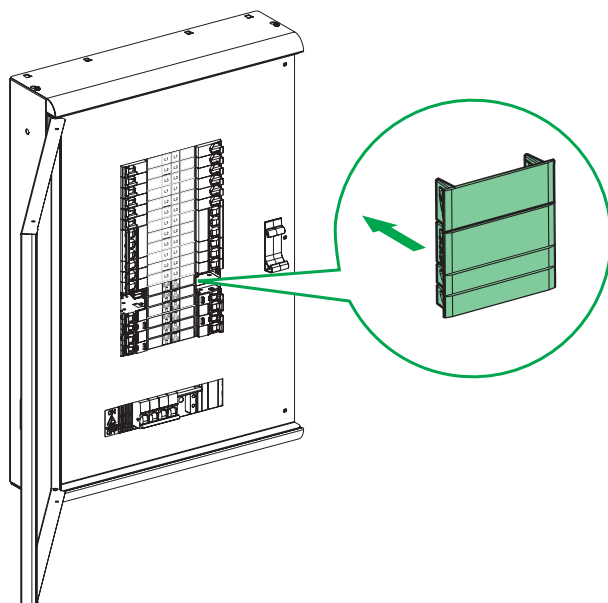


Compatibility Reference	Hybrid	Standalone
SEA9BL	Yes	Yes

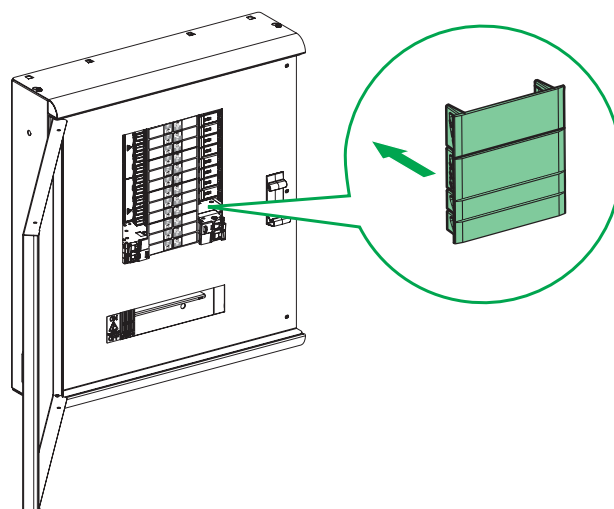
7.7 Front Cover Filler SEA9BP3



Hybrid SEA9BPN●●AFD●●

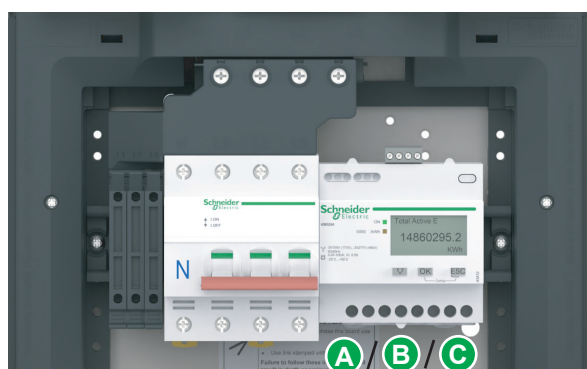


Standalone SEA9BPNAFD●●



Compatibility Reference	Hybrid	Standalone
SEA9BP3	Yes	Yes

7.8 Connection of Meter Ready Device Isobar P Acti9 Active AFDD Board



A Meter

B SPD

C Gateway



Note: For more details refer catalogue

NOTES

NOTES

