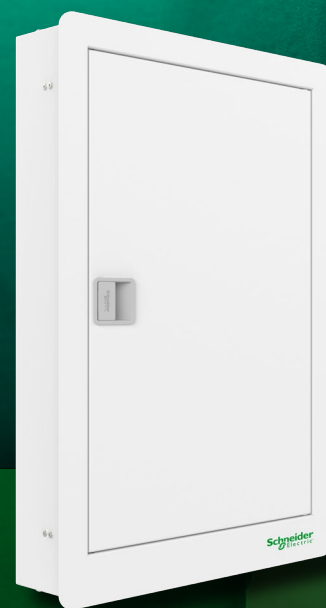




# Acti9 Disbo

## Metal Distribution Boards

Catalogue 2022



[se.com/sa/en](https://se.com/sa/en)

Life Is On

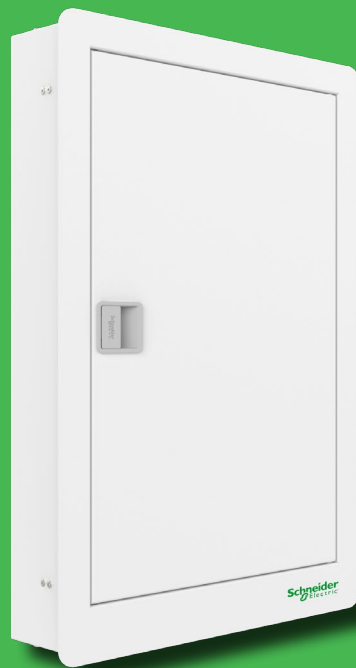
**Schneider**  
Electric



A low-angle photograph of a modern, multi-story glass skyscraper. The building's facade is composed of large glass panels reflecting the sky and surrounding environment. The sky is blue with scattered white clouds. In the foreground, there are several young trees with green and yellowing leaves, and a paved walkway. The text 'Life Is On' is overlaid in the center of the image in a white, sans-serif font. The letter 'O' is replaced by a white power button symbol, which consists of a circle with a vertical line through its center.

Life Is On

# “Best in Class Quality combined with Safety, Connectivity and Compliance with local and international standards”

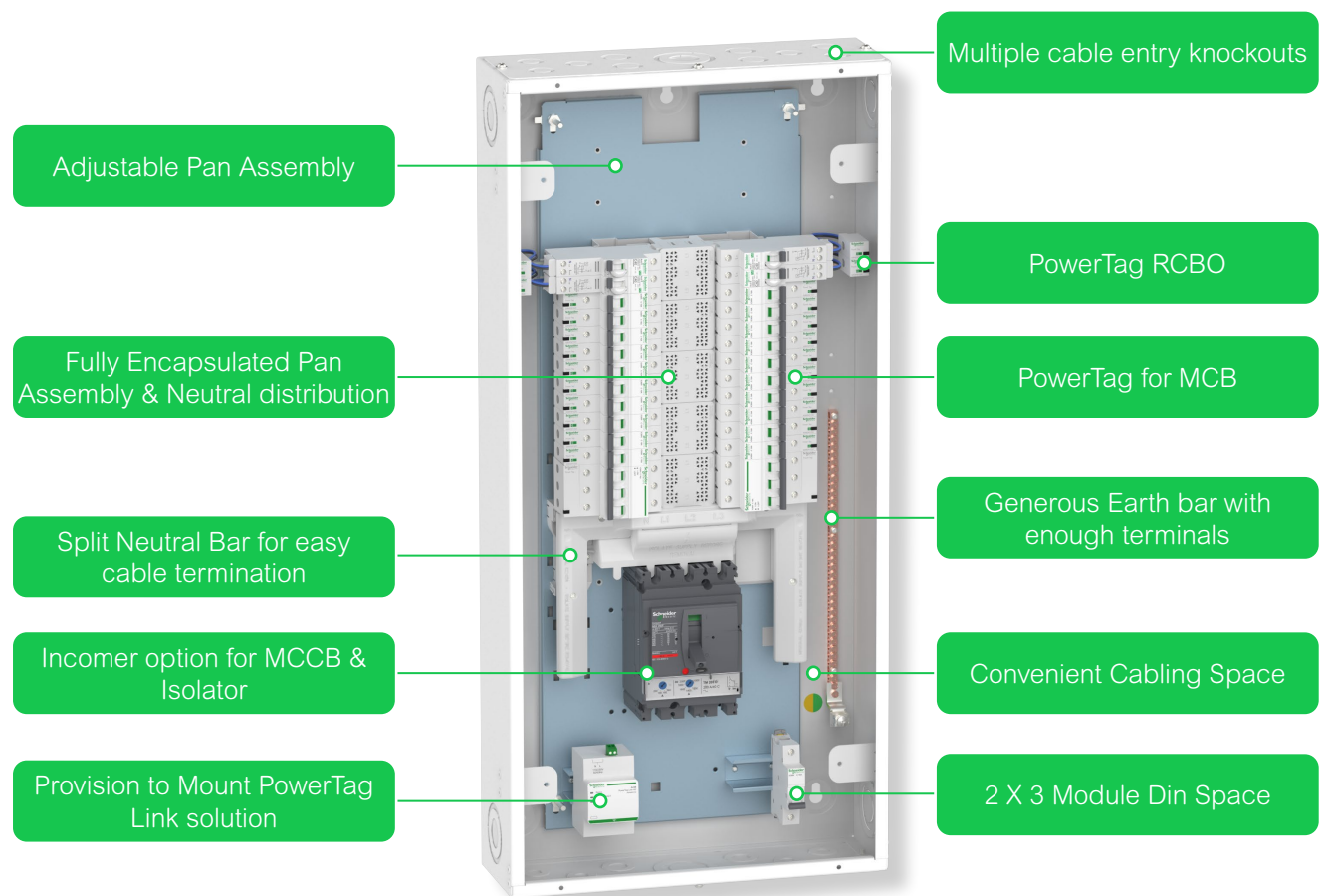


- Backed by decades of Schneider Electric experience in the design and manufacturing of electrical protection devices
- Fully compatible with the entire Acti9 range – for a simple and efficient power distribution solution that provides peace of mind
- Full compatibility with connected solutions like PowerTagLink™ makes it easy to control and monitor your installation

Recommended for commercial and residential applications. Acti9 Disbo is an innovative, fully type tested panel, tested by ASTA (UK Body). It complies with the highest standards for personnel protection as per IEC 61439-3.



# New Acti9 Disbo Features





# Many reasons to chose Acti9 System

- **Acti9 PowerTag system enabled**

Monitor your energy efficiency

- **Compliant as per IEC 61439-3**

Safety, Reliability and Peace of Mind

- **Third Party ASTA Certified**

UK Body with Global expertise

- **Short circuit withstand upto 25 kA at 0.3 Sec**

Higher Breaking capacity Distribution board

- **Simply attractive design**

Aesthetics matching to your interiors

- **Full shrouded Pan Assembly and Neutral bar**

Enhance safety of your installation

- **Split Neutral architecture**

Easier for cable termination

- **Upto IP43\* protection**

Flexibility to install in harsh environment

- **1.2 mm Electrogalvanised Steel**

Robust design with Higher corrosion resistance

- **Multiple cable entry knockouts**

Increase Flexibility to route the cables

- **Reversible door**

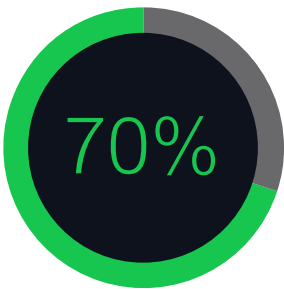
Flexibility to mount at any corners of the wall

\* more details in disbo accesories section.

# EcoStruxure™

## Innovation At Every Level

From sensors to services, our Innovation At Every Level approach improves energy and operational efficiency by tapping the true business value of IoT advancements. We've made mobility, sensing, cloud, analytics, and cyber security technologies meaningful to customers, helping them compete in our IoT economy.



of decision-makers see the business value of IoT\*

\*Schneider Electric IoT 2020 Business Report

### Connected Products:

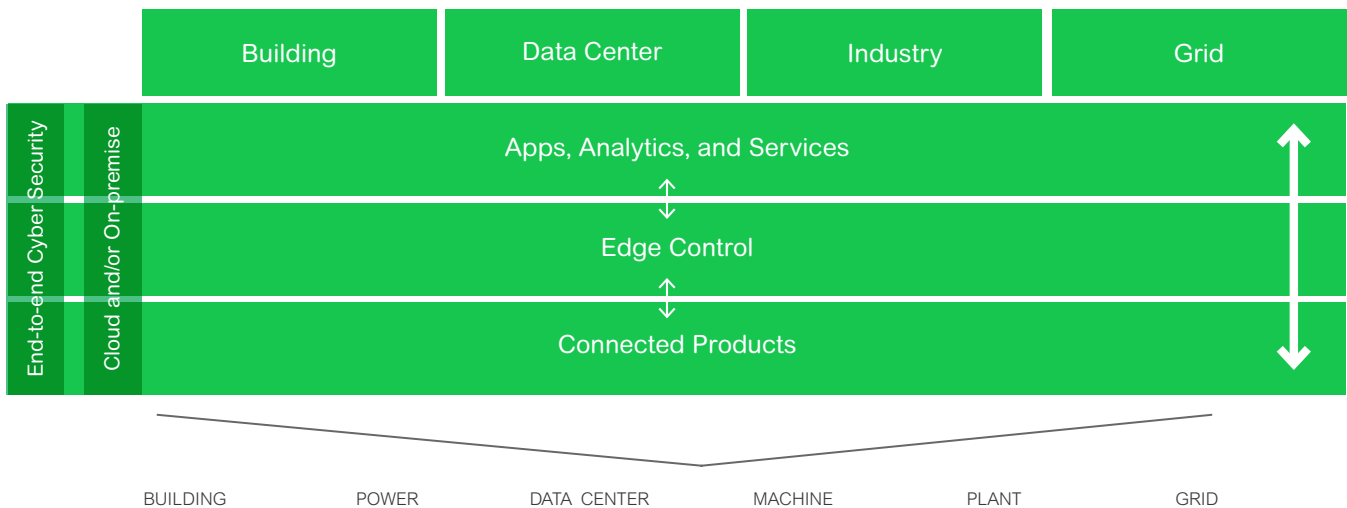
The Internet of Things starts with the best things. Our IoT-enabled best-in-class connected products include breakers, drives, UPSs, relays, sensors, and more. Devices with embedded intelligence drive better decision-making throughout operations.

### Edge Control:

Mission-critical scenarios can be unpredictable, so control of devices at the edge of the IoT network is a must. This essential capability provides real-time solutions that enable local control at the edge, protecting uptime.

### Applications, Analytics, and Services:

Interoperability is imperative to supporting the diverse hardware and systems in building, data center, industry, and grid end markets. EcoStruxure™ enables a breadth of agnostic applications, analytics, and services for seamless enterprise integration.





# Connectivity built in

Acti9 Disbo harnesses the connectivity of the Acti9 range enabling distribution boards to become smart and connected.



1. Enable asset management through a new wireless RCBO PowerTag



2. Enable asset management on all outgoing MCB with PowerTag



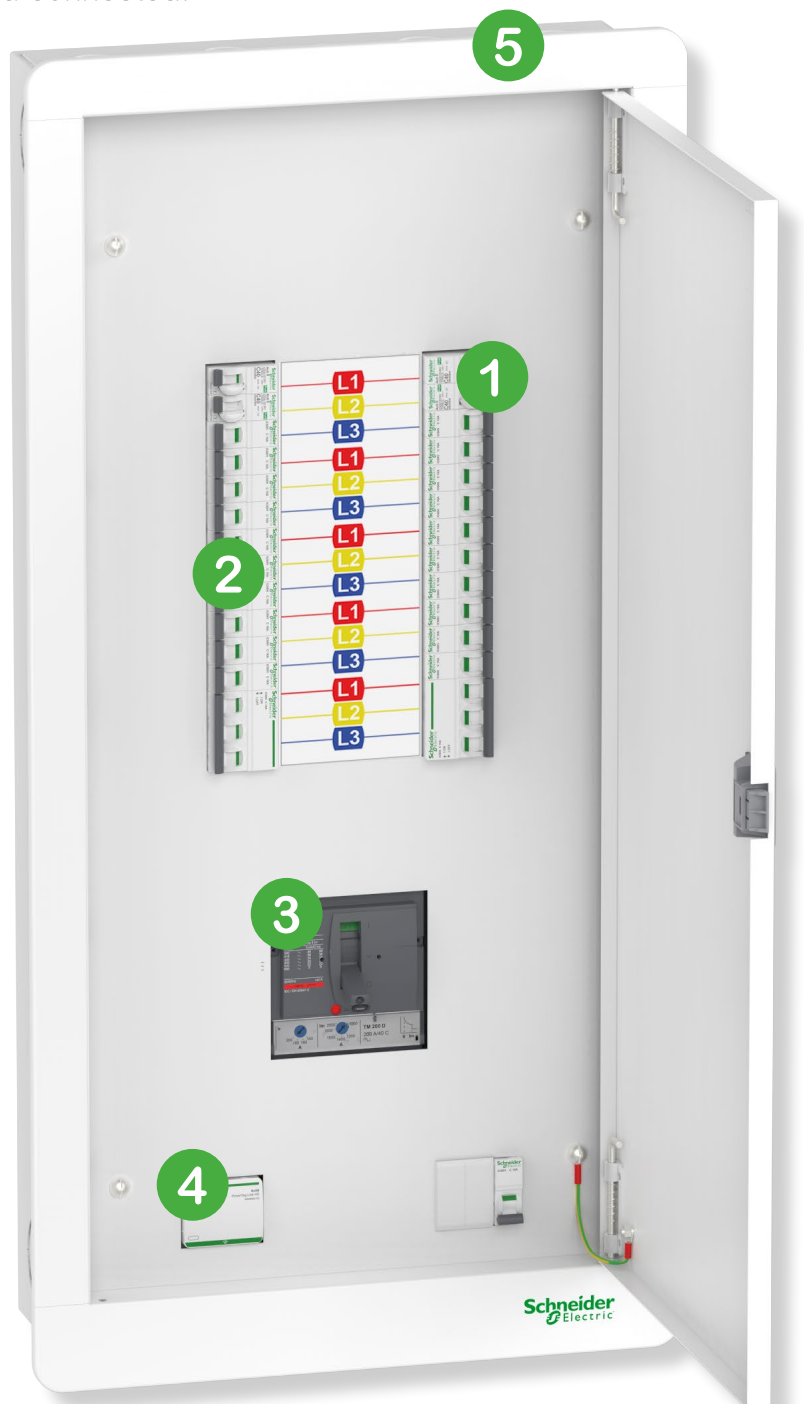
3. Enable further asset and energy management through PowerTag for ComPact NSX



4. PowerTag link for wireless data concentration



5. See the power and optimise the use of your assets with Facility Expert, our simple on-line services platform



# Acti9 Disbo 3 Phase Distribution Boards

## Technical Specifications

|                                  |  |
|----------------------------------|--|
| Busbar Rating                    | 125 A/250 A  |
| Voltage                          | 220-440 V  |
| Insulation Voltage               | 690 V  |
| Rated impulse voltage            | 6 kV   |
| Frequency                        | 50/60 Hz   |
| Busbar short time withstand      | 125 A: 17 kA, 250 mSec<br>250 A: 25 kA, 300 mSec                     |
| Busbar peak short time withstand | 125 A: 34 kA;<br>250 A: 52.5 kA                                      |
| Incoming Options                 | Up to 125 A Switch-Isolator<br>Up to 250 A ComPacT NSX, EasyPact EZC |
| Outgoing Options                 | Acit9 MCB, Acti9 RCBO  |
| Index of Protection(IP)          | IP40; upto IP43 option*  |
| Operating Temperature            | -5 °C to +70 °C  |
| No of ways                       | 12 up to 54 ways   |
| Type of installation             | Flush/Surface  |
| Color                            | RAL 9003 White   |
| Enclosure Material               | Electrogalvanised Steel with Powder Coating                          |
| Compliance                       | IEC 61439-3  |
| Certification                    | ASTA/SASO  |

\* more details in disbo accesories section.





# Acti9 Disbo 3 Phase Distribution Boards

## Selection Guide for Acti9 Disbo

| Enclosures | A9H                | 3                | 12   | M       | I                                 | 100   | FD        | S   |
|------------|--------------------|------------------|--|---------|-----------------------------------|---|-----------|---|
|            | Distribution Board |                  | Number of ways   | Incomer | Incoming Device Type              | Ampere Rating   | Flat Door | Option                                      |
|            |                    | Number of Phases | 12:12 ways<br>18:18 ways<br>24:24 ways<br>30:30 ways<br>36:36 ways<br>42:42 ways<br>48:48 ways<br>54:54 ways |         | EZ: E2C<br>NS: NSX<br>I: Isolator | 40:40 A<br>60:60 A<br>63:63 A<br>80:80 A<br>100:100 A<br>150:150 A<br>160:160 A<br>200:200 A<br>250:250 A |           | S: Surface*<br>Blank: Flush<br>KR: Key lock |
|            |                    | 3:3 phases       |  |         |                                   |   |           |   |

\* Non standard references - Contact marketing team for more information

## Acti9 Disbo with Compact NSX MCCB as Incomer

| Flush Mount Boards |            |        |
|--------------------|------------|--------|
| Material           | No of ways | Rating |
| A9H312MNS63FD      | 12         | 63     |
| A9H312MNS100FD     | 12         | 100    |
| A9H318MNS63FD      | 18         | 63     |
| A9H318MNS100FD     | 18         | 100    |
| A9H318MNS160FD     | 18         | 160    |
| A9H324MNS63FD      | 24         | 63     |
| A9H324MNS80FD      | 24         | 80     |
| A9H324MNS100FD     | 24         | 100    |
| A9H324MNS160FD     | 24         | 160    |
| A9H330MNS63FD      | 30         | 63     |
| A9H330MNS80FD      | 30         | 80     |
| A9H330MNS100FD     | 30         | 100    |
| A9H330MNS160FD     | 30         | 160    |
| A9H330MNS200FD     | 30         | 200    |
| A9H336MNS63FD      | 36         | 63     |
| A9H336MNS80FD      | 36         | 80     |
| A9H336MNS100FD     | 36         | 100    |
| A9H336MNS160FD     | 36         | 160    |
| A9H336MNS200FD     | 36         | 200    |
| A9H336MNS250FD     | 36         | 250    |
| A9H342MNS100FD     | 42         | 100    |
| A9H342MNS160FD     | 42         | 160    |
| A9H342MNS200FD     | 42         | 200    |
| A9H342MNS250FD     | 42         | 250    |
| A9H348MNS100FD     | 48         | 100    |
| A9H348MNS160FD     | 48         | 160    |
| A9H348MNS200FD     | 48         | 200    |
| A9H348MNS250FD     | 48         | 250    |
| A9H354MNS250FD     | 54         | 250    |



# Acti9 Disbo 3 Phase Distribution Boards

Acti9 Disbo with Compact NSX MCCB as Incomer with KeyLock Door

## Flush Mount Boards

| Material       | No of ways | Rating |
|----------------|------------|--------|
| A9H330MNS100KR | 30         | 100    |
| A9H330MNS160KR | 30         | 160    |
| A9H336MNS100KR | 36         | 100    |
| A9H336MNS160KR | 36         | 160    |
| A9H342MNS160KR | 42         | 160    |





# Acti9 Disbo 3 Phase Distribution Boards

## Acti9 Disbo with Compact NSX MCCB as Incomer

### Surface Mount Boards

| Material        | No of ways | Rating |
|-----------------|------------|--------|
| A9H312MNS40FDS  | 12         | 40     |
| A9H312MNS100FDS | 12         | 100    |
| A9H318MNS40FDS  | 18         | 40     |
| A9H318MNS63FDS  | 18         | 63     |
| A9H318MNS100FDS | 18         | 100    |
| A9H324MNS40FDS  | 24         | 40     |
| A9H324MNS63FDS  | 24         | 63     |
| A9H330MNS100FDS | 30         | 100    |
| A9H342MNS100FDS | 42         | 100    |
| A9H342MNS160FDS | 42         | 160    |
| A9H348MNS63FDS  | 48         | 63     |
| A9H348MNS100FDS | 48         | 100    |



# Acti9 Disbo 3 Phase Distribution Boards

Acti9 Disbo with EasyPact EZC MCCB as Incomer

| Flush Mount Boards |            |        |
|--------------------|------------|--------|
| Material           | No of ways | Rating |
| A9H312MEZ40FD      | 12         | 40     |
| A9H312MEZ60FD      | 12         | 60     |
| A9H312MEZ80FD      | 12         | 80     |
| A9H312MEZ100FD     | 12         | 100    |
| A9H318MEZ40FD      | 18         | 40     |
| A9H318MEZ60FD      | 18         | 60     |
| A9H318MEZ80FD      | 18         | 80     |
| A9H318MEZ100FD     | 18         | 100    |
| A9H318MEZ150FD     | 18         | 150    |
| A9H318MEZ200FD     | 18         | 200    |
| A9H324MEZ40FD      | 24         | 40     |
| A9H324MEZ60FD      | 24         | 60     |
| A9H324MEZ100FD     | 24         | 100    |
| A9H324MEZ150FD     | 24         | 150    |
| A9H324MEZ200FD     | 24         | 200    |
| A9H324MEZ250FD     | 24         | 250    |
| A9H330MEZ60FD      | 30         | 60     |
| A9H330MEZ100FD     | 30         | 100    |
| A9H330MEZ150FD     | 30         | 150    |
| A9H330MEZ200FD     | 30         | 200    |
| A9H336MEZ60FD      | 36         | 60     |
| A9H336MEZ100FD     | 36         | 100    |
| A9H336MEZ150FD     | 36         | 150    |
| A9H336MEZ200FD     | 36         | 200    |
| A9H336MEZ250FD     | 36         | 250    |
| A9H342MEZ100FD     | 42         | 100    |
| A9H342MEZ150FD     | 42         | 150    |
| A9H342MEZ200FD     | 42         | 200    |
| A9H342MEZ250FD     | 42         | 250    |
| A9H348MEZ80FD      | 48         | 80     |
| A9H348MEZ100FD     | 48         | 100    |
| A9H348MEZ150FD     | 48         | 150    |
| A9H348MEZ200FD     | 48         | 200    |
| A9H348MEZ250FD     | 48         | 250    |
| A9H354MEZ250FD     | 54         | 250    |





# Acti9 Disbo ROW Distribution Boards

## Technical Specifications

|                              |  |
|------------------------------|--|
| Current Rating               | upto 125 A   |
| Voltage                      | 220-440 V  |
| Insulation Voltage (Ui)      | 690 V  |
| Rated impulse voltage (Uimp) | 6 kV   |
| Frequency                    | 50/60 Hz   |
| Incoming Options             | Up to 125 A Switch-Isolator, C120<br>Upto 100 A RCCB |
| Index of Protection(IP)      | IP40   |
| No of ways                   | 32 up to 96 ways                                     |
| Type of installation         | Flush/Surface  |
| Color                        | RAL 9003 White                                       |
| Outgoing Options             | Acti9 MCB 1P or 3P, Acti9 RCBO 1P                    |
| Index of Protection(IP)      | IP40   |
| Operating Temperature        | -5 °C to +70 °C                                      |
| Enclosure Material           | Electrogalvanised Steel with Powder Coating          |
| Compliance                   | IEC 61439-3  |



## Flush Mount Boards

| Material  | No Of Rows | No of ways |
|-----------|------------|------------|
| A9HROW2FD | 2          | 32         |
| A9HROW3FD | 3          | 48         |
| A9HROW4FD | 4          | 64         |
| A9HROW5FD | 5          | 80         |
| A9HROW6FD | 6          | 96         |

## Surface Mount Boards

| Material   | No Of Rows | No of ways |
|------------|------------|------------|
| A9HROW2FDS | 2          | 32         |
| A9HROW3FDS | 3          | 48         |
| A9HROW4FDS | 4          | 64         |
| A9HROW5FDS | 5          | 80         |
| A9HROW6FDS | 6          | 96         |

# Acti9 Disbo Single Phase Distribution Boards

## Technical Specifications

|                              |  |
|------------------------------|--|
| Current Rating               | upto 125 A   |
| Outgoing maximum Rating      | 63 A   |
| Voltage                      | 220-440 V  |
| Insulation Voltage (Ui)      | 690 V  |
| Rated impulse voltage (Uimp) | 4 kV   |
| Frequency                    | 50/60 Hz   |
| Index of Protection(IP)      | IP40   |
| Type of installation         | Flush/Surface  |
| Color                        | RAL 9003 White   |
| Incoming Options             | Up to 125 A Switch-Isolator, C120<br>Upto 100 A RCCB   |
| Outgoing Options             | Acti9 MCB 1P or 3P, Acti9 RCBO 1P  |
| Index of Protection(IP)      | IP40   |
| Operating Temperature        | -5 °C to + 70 °C   |
| Enclosure Material           | <ul style="list-style-type: none"> <li>• Back box with Electrogalvanised Steel with Powder Coating</li> <li>• Front Cover with Plastic Material</li> </ul> |
| Compliance                   | IEC 61439-3  |



## Reference list

| Material  | No of ways |
|-----------|------------|
| DSP1ROW8  | 8          |
| DSP1ROW10 | 10         |
| DSP1ROW14 | 14         |
| DSP1ROW16 | 16         |

# Acti9 Disbo 3 Phase Accessory

## Suitable for all Acti9 Disco vertical TPN boards

| Material   | Description   |
|------------|---|
| A9HIP43KIT | IP43 Kit with Canopy, Gasket and Fasteners to convert Acti9 Disbo 3 Phase Boards upto IP43 protection |



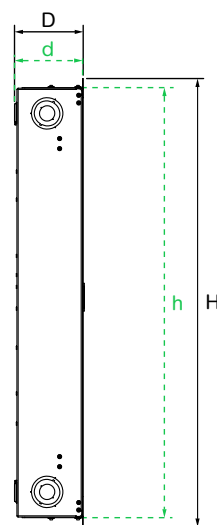
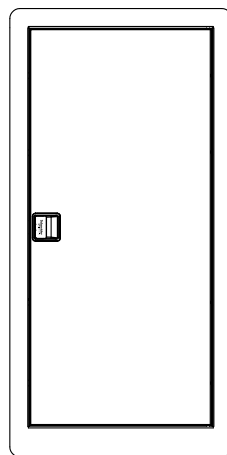
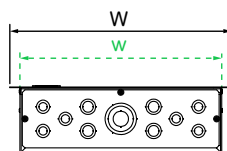
# Acti9 Disbo Vertical 3 Phase Board

Acti9 Disbo with Compact NSX MCCB as Incomer

## Dimensions (mm)

### Flush Mount Boards

| Material       | w   | W   | d   | D   | h    | H    |
|----------------|-----|-----|-----|-----|------|------|
| A9H312MNS63FD  | 400 | 440 | 135 | 139 | 533  | 569  |
| A9H312MNS100FD | 400 | 440 | 135 | 139 | 533  | 569  |
| A9H318MNS63FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MNS100FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MNS160FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MNS63FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MNS80FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MNS100FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MNS160FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H330MNS63FD  | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MNS80FD  | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MNS100FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MNS160FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MNS200FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MNS63FD  | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MNS80FD  | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MNS100FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MNS160FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MNS200FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MNS250FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MNS100FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MNS160FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MNS200FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MNS250FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H348MNS100FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MNS160FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MNS200FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MNS250FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H354MNS250FD | 400 | 440 | 135 | 139 | 1003 | 1039 |

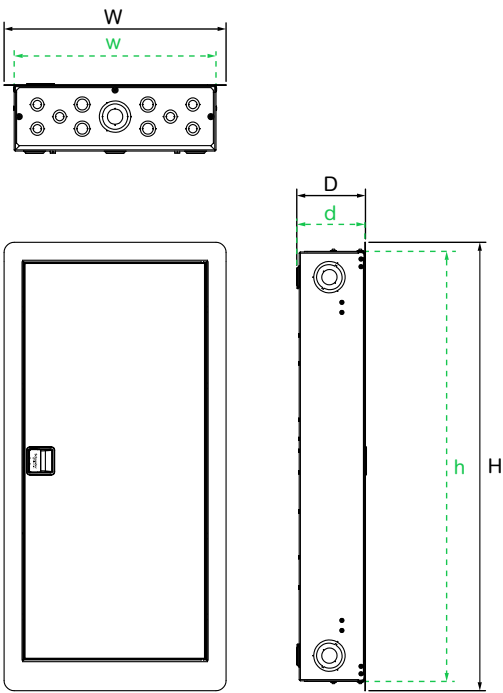


# Acti9 Disbo Vertical 3 Phase Board

Acti9 Disbo with Compact NSX MCCB as Incomer with KeyLock Door

## Dimensions (mm)

| Flush Mount Boards |     |     |     |     |     |     |
|--------------------|-----|-----|-----|-----|-----|-----|
| Material           | w   | W   | d   | D   | h   | H   |
| A9H330MNS100KR     | 400 | 440 | 135 | 139 | 853 | 889 |
| A9H330MNS160KR     | 400 | 440 | 135 | 139 | 853 | 889 |
| A9H336MNS100KR     | 400 | 440 | 135 | 139 | 853 | 889 |
| A9H336MNS160KR     | 400 | 440 | 135 | 139 | 853 | 889 |
| A9H342MNS160KR     | 400 | 440 | 135 | 139 | 853 | 889 |





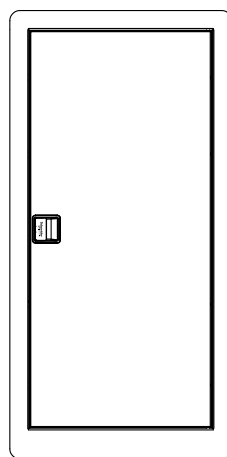
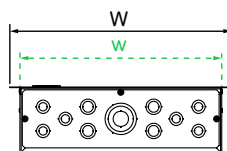
# Acti9 Disbo - Vertical 3 Phase Board

Acti9 Disbo with EasyPact EZC MCCB as Incomer

## Dimensions (mm)

### Flush Mount Boards

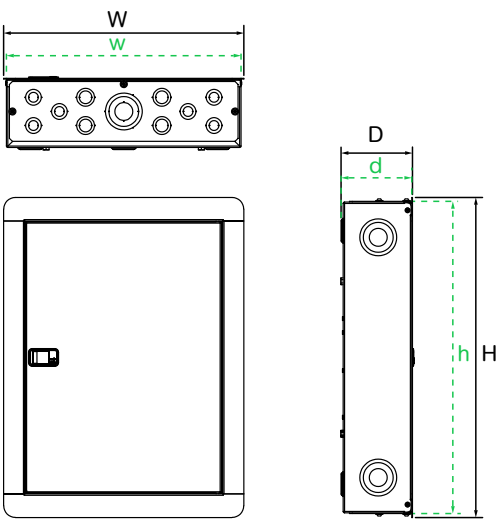
| Material       | w   | W   | d   | D   | h    | H    |
|----------------|-----|-----|-----|-----|------|------|
| A9H312MEZ40FD  | 400 | 440 | 135 | 139 | 533  | 569  |
| A9H312MEZ60FD  | 400 | 440 | 135 | 139 | 533  | 569  |
| A9H312MEZ80FD  | 400 | 440 | 135 | 139 | 533  | 569  |
| A9H312MEZ100FD | 400 | 440 | 135 | 139 | 533  | 569  |
| A9H318MEZ40FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MEZ60FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MEZ80FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MEZ100FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MEZ150FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H318MEZ200FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MEZ40FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MEZ60FD  | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MEZ100FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MEZ150FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MEZ200FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H324MEZ250FD | 400 | 440 | 135 | 139 | 693  | 729  |
| A9H330MEZ60FD  | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MEZ100FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MEZ150FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H330MEZ200FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MEZ60FD  | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MEZ100FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MEZ150FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MEZ200FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H336MEZ250FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MEZ100FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MEZ150FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MEZ200FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H342MEZ250FD | 400 | 440 | 135 | 139 | 853  | 889  |
| A9H348MEZ80FD  | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MEZ100FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MEZ150FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MEZ200FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H348MEZ250FD | 400 | 440 | 135 | 139 | 1003 | 1039 |
| A9H354MEZ250FD | 400 | 440 | 135 | 139 | 1003 | 1039 |



# Acti9 Disbo - ROW

## Dimensions (mm)

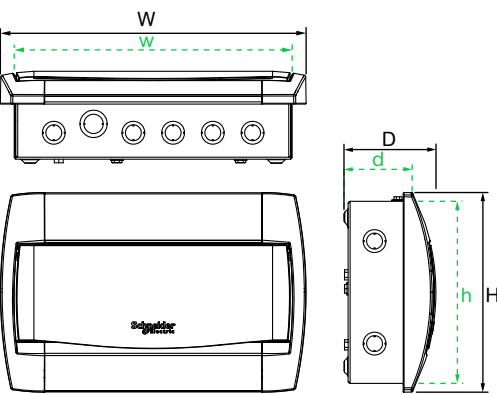
| Material   | w   | W   | d   | D   | h    | H    |
|------------|-----|-----|-----|-----|------|------|
| A9HROW2FD  | 400 | 410 | 121 | 124 | 533  | 546  |
| A9HROW2FDS | 400 | 410 | 121 | 124 | 533  | 546  |
| A9HROW3FD  | 400 | 410 | 121 | 124 | 693  | 706  |
| A9HROW3FDS | 400 | 410 | 121 | 124 | 693  | 706  |
| A9HROW4FD  | 400 | 410 | 121 | 124 | 853  | 867  |
| A9HROW4FDS | 400 | 410 | 121 | 124 | 853  | 867  |
| A9HROW5FD  | 400 | 410 | 121 | 124 | 1003 | 1016 |
| A9HROW5FDS | 400 | 410 | 121 | 124 | 1003 | 1016 |
| A9HROW6FD  | 400 | 410 | 121 | 124 | 1003 | 1016 |
| A9HROW6FDS | 400 | 410 | 121 | 124 | 1003 | 1016 |



# Acti9 Disbo Single Phase Distribution Boards

## Dimensions (mm)

| Material  | w   | W   | d  | D   | h   | H   |
|-----------|-----|-----|----|-----|-----|-----|
| DSP1ROW8  | 239 | 270 | 77 | 104 | 206 | 226 |
| DSP1ROW10 | 315 | 347 | 77 | 104 | 206 | 226 |
| DSP1ROW14 | 391 | 423 | 77 | 104 | 206 | 226 |
| DSP1ROW16 | 391 | 423 | 77 | 104 | 206 | 226 |









# Certification

Intertek

Certificate No. 22263

## ASTA Certificate of Verification

Laboratory Ref. No: 201805412\_001, CPRI BLR SCL MISC19T0047, CPRI BLR SCL18T0748 &amp; 51

**APPARATUS:** A range of 63A to 250A, 440V/500V/6kV ( $U_n = U_e/U_i/U_{imp}$ ) 50/60Hz, IP40, enclosed distribution boards (DBOs) incorporating a three-phase and neutral vertical busbar system with one incoming 3P MCCB, 12 to 54 outgoing MCB circuits and a protective circuit.

**DESIGNATION:** Acti9 Disbo Distribution board

**MANUFACTURER:** Schneider Electric  
PO box no 89249, Riyadh 11682, Kingdom of Saudi Arabia

**TESTED BY:** GIGA Labs,  
Schneider Electric Private Limited, BGRT Campus, SY No:63 / 3B, Gorvigere Village,  
Bidarahalli Hobli, Bangalore – 560067, India  
And  
Central Power Research Institute  
Prof. Sir C.V. Raman Road, Post Box No: 8066, Sadashiva Nagar (P.O),  
Bangalore - 560080, India

**DATE(S) OF TESTS:** 23<sup>rd</sup> November 2018 to 15<sup>th</sup> February 2019

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this certificate has been subjected to the series of proving tests in accordance with

**IEC 61439-3 Edition 1.0 2012-02**

- |   |                                      |
|---|--------------------------------------|
| 1: Strength of material and parts   | 9: Dielectric properties             |
| 2: Degree of protection of enclosures   | 10: Temperature-rise limits          |
| 3: Clearances   | 11: Short-circuit withstand strength |
| 4: Creepage distances   | 12: Electromagnetic compatibility    |
| 5: Protection against electric shock and integrity of the protective circuits | 13: Mechanical operation             |

6/7/8: No verification by testing required.

**For ratings assigned by the manufacturer and proved by the tests see pages 1 to 35**

The results are shown in the record of Proving Tests attached hereto. The values obtained and the general performance is considered to comply with the above Standard(s) and to justify the ratings assigned by the manufacturer as stated on the ratings page(s). This Certificate applies only to the apparatus tested. Responsibility for conformity of any apparatus having the same or other designations rests with the Manufacturer.

This Certificate comprises this front sheet, 35 ratings pages, plus 107 other pages and 39 drawings as detailed on page 38 to 40.

Only integral reproductions of this whole certificate or reproductions of this page accompanied by any ratings pages are permitted.  
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010

*Punith Lingamurthy*  
**Punith Lingamurthy**  
ASTA Observer  
*P. G. D.*  
**P. G. D.**  
Certification Manager  
*7<sup>th</sup> May 2019*  
**7<sup>th</sup> May 2019** Date





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\*PEP: Product Environmental Profile (i.e. Environmental Product Declaration)

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