

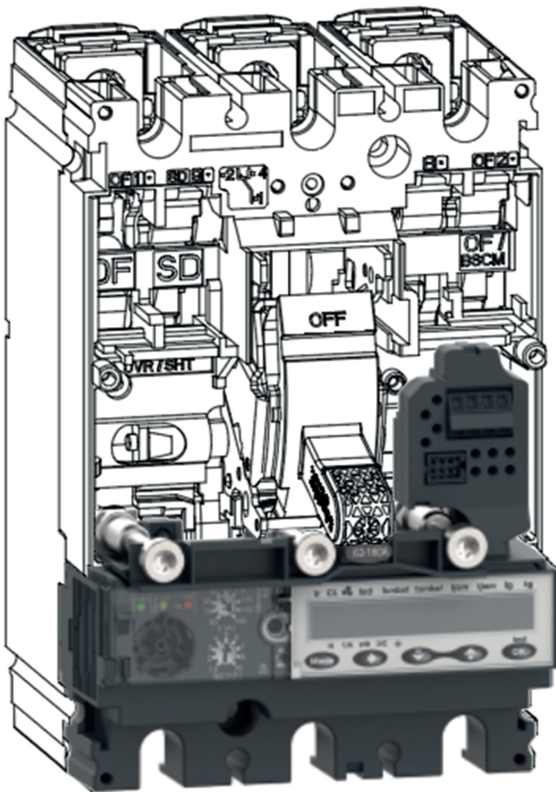
# PacT Series

## ComPacT NSX - MicroLogic 5/6 Trip Unit

### Firmware Release Notes

PacT Series offers world-class breakers and switches.

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# Safety Information

## Important Information

Read these instructions carefully, and look at the equipment to become familiar with the device before trying to install, operate, service, or maintain it. The following special messages may appear throughout this documentation or on the equipment to warn of potential hazards or to call attention to information that clarifies or simplifies a procedure.



The addition of this symbol to a “Danger” or “Warning” safety label indicates that an electrical hazard exists which will result in personal injury if the instructions are not followed.



This is the safety alert symbol. It is used to alert you to potential personal injury hazards. Obey all safety messages that follow this symbol to avoid possible injury or death.

<b>⚠ DANGER</b>
<b>DANGER</b> indicates a hazardous situation which, if not avoided, <b>will result in</b> death or serious injury.
<b>⚠ WARNING</b>
<b>WARNING</b> indicates a hazardous situation which, if not avoided, <b>could result in</b> death or serious injury.
<b>⚠ CAUTION</b>
<b>CAUTION</b> indicates a hazardous situation which, if not avoided, <b>could result in</b> minor or moderate injury.
<b>NOTICE</b>
<b>NOTICE</b> is used to address practices not related to physical injury.

## Please Note

Electrical equipment should be installed, operated, serviced, and maintained only by qualified personnel. No responsibility is assumed by Schneider Electric for any consequences arising out of the use of this material.

A qualified person is one who has skills and knowledge related to the construction and operation of electrical equipment and its installation, and has received safety training to recognize and avoid the hazards involved.

# About the Book

## PacT Series Master Range

Future-proof your installation with Schneider Electric's low-voltage and medium-voltage PacT Series. Built on legendary Schneider Electric innovation, the PacT Series comprises world-class circuit breakers, switches, residual current devices and fuses, for all standard and specific applications. Experience robust performance with PacT Series within the EcoStruxure-ready switchgear, from 16 to 6300 A in low-voltage and up to 40.5 kV in medium-voltage.

## Document Scope

This document provides you with the firmware version history of NSX MicroLogic™ 5/6 trip unit. Use this document to determine whether an update to the latest version of the NSX MicroLogic 5/6 firmware is interesting or relevant for your application.

## Validity Note

This document applies to the new generation of MicroLogic 5/6 trip units in ComPacT™ NSX and PowerPacT™ H-, J-, and L-frame circuit breakers.

**NOTE:** The information related to the new generation of MicroLogic 5/6 trip units in this document applies also to MicroLogic 5/6 trip units for Compact NSX and PowerPact H-, J-, and L-frame circuit breakers. The exceptions are mentioned wherever applicable.

## Related Documents for IEC Devices

The following table lists documents for IEC devices compatible with MicroLogic 5/6 trip units with firmware version greater than or equal to 001.005.001.

Title of documentation	Publication date	Reference number
<i>ComPacT NSX - MicroLogic 5/6/7 Electronic Trip Units - User Guide</i>	01/2021	DOCA0188EN
<i>ComPact NSX - MicroLogic 5/6/7 Electronic Trip Units - User Guide</i>	01/2021	DOCA0141EN

You can download these technical publications and other technical information from our website at [www.se.com/ww/en/download](http://www.se.com/ww/en/download).

## Related Documents for UL/ANSI Devices

The following table lists documents for UL devices compatible with MicroLogic 5/6 trip units with firmware version greater than or equal to 001.005.001.

Title of documentation	Publication date	Reference number
<i>MicroLogic 5 and 6 Electronic Trip Units for PowerPact H-, J-, and L-Frame Circuit Breakers - User Guide</i>	03/2020	48940-312-01 (EN, ES, FR)

You can download these technical publications and other technical information from our website at [www.se.com/ww/en/download](http://www.se.com/ww/en/download).

# Introduction

## NSX MicroLogic 5/6 Trip Unit

ComPacT NSX and PowerPact H-, J-, and L-frame circuit breakers with MicroLogic 5/6 trip units provide protection and metering functions, alarms, and operating assistance.

## NSX MicroLogic 5/6 Firmware Release History

Each hardware version of an NSX MicroLogic 5/6 trip unit is available with one or more firmware versions (see table below). You can update an NSX MicroLogic 5/6 trip unit to the latest firmware version compatible with its hardware.

Date	NSX MicroLogic 5/6 hardware version	NSX MicroLogic 5/6 firmware version	Availability
January 2022	HW 001.000.000	FW 001.006.001	Release for manufacturing
July 2021	HW 001.000.000	FW 001.005.002	Obsolete
April 2021	HW 001.000.000	FW 001.005.001	Obsolete
June 2018	HW 001.000.000	FW 001.003.000	Obsolete
December 2016	HW 001.000.000	FW 001.002.002	Obsolete
December 2015	HW 15*	FW 1.1.0	Obsolete
December 2014	HW 15	FW 1.0.3	Obsolete
July 2008	HW 15	FW 1.0.2	Obsolete

**NOTE:** The firmware of NSX MicroLogic 5/6 trip units with hardware version 15 or 15\* cannot be updated.

The hardware and firmware versions of NSX MicroLogic 5/6 trip units are different from the hardware and firmware versions of NSX MicroLogic 7 trip units. For more information about NSX MicroLogic 7 firmware versions, see [DOCA0154EN ComPacT NSX - MicroLogic 7 Trip Unit - Firmware Release Notes](#).

## Firmware Update Policy

If the latest features of a firmware update are not required, it is not mandatory to update the firmware of a device.

Use this document to determine whether an update to the latest version of the NSX MicroLogic 5/6 firmware is interesting or relevant for your application.

For more information about the firmware update policy and the firmware compatibility between devices, refer to [DOCA0155EN MicroLogic Trip Units and Control Units - Firmware History](#).

## Firmware Update with EcoStruxure Power Commission Software

Use the latest version of EcoStruxure™ Power Commission software:

- To check the firmware compatibility of the devices in the Intelligent Modular Unit (IMU).
- To update the devices with the latest firmware version available.

After updating the firmware of one device, use EcoStruxure Power Commission software to check the firmware compatibility between IMU devices.

The Firmware Update table helps you to diagnose and identify all discrepancy issues between IMU devices. This table also provides the recommended actions for each discrepancy issue.

Click [here](#) to download the latest version of EcoStruxure Power Commission software.

For more information about the use of EcoStruxure Power Commission software, refer to *EcoStruxure Power Commission Online Help* available in the software.



# Firmware Versions

## Firmware Version 001.006.001

### Bugs Fixed

- Cybersecurity improvement.
- In certain cases, MicroLogic commercial reference was not retrieved through ULP system. Bug introduced in firmware version 001.005.001.

## Firmware Version 001.005.002

### Bugs Fixed

Unexpected delay to lit up the backlight when connecting the maintenance interface or an external 24 Vdc power supply.

## Firmware Version 001.005.001

### New Features

Addition of compatibility with the new generation of MicroLogic 5/6 trip units for ComPacT NSX and PowerPacT H-, J-, and L-frame circuit breakers.

### Bugs Fixed

Unexpected reset was performed if one of the following cases occurred:

- After unplugging external 24 Vdc power supply.
- When ULP bus was fully loaded.

## Firmware Version 001.003.000

### New Features

Addition of compatibility with EasyPact CVS circuit breakers.

### Bugs Fixed

In certain cases, on starting up under current through internal current transformers, the MicroLogic screen stuck in boot phase.

## Firmware Version 001.002.002

### New Features

New firmware version for new hardware V001.000.000 with new microprocessor.

## Firmware Version 1.1.0

### New Features

New firmware version for new hardware V15\*, with management of write protection on E2prom ASIC and microprocessor.

## Firmware Version 1.0.3

### New Features

- Addition of compatibility with the following Enerlin'X devices:
  - IO module
  - IFE interface and IFE server
  - FDM128 display
- Addition of preset of energy counter by communication.



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