

# PacT Series

## Service Interface for MasterPact NT/NW, ComPactT, PowerPactT, and EasyPact Circuit Breakers

### Firmware Release Notes

PacT Series offers world-class breakers and switches.

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# 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 Service Interface.

Use this document to determine whether an update to the latest version of the Service Interface is interesting or relevant for your application.

## Validity Note

This document applies to Service Interface used with MicroLogic™ trip units mounted in the following low voltage circuit breakers:

- MasterPact™ NT/NW circuit breakers
- EasyPact™ MVS circuit breakers
- ComPact™ NS circuit breakers
- PowerPact™ P- and R- frame circuit breakers
- ComPact™ NSX circuit breakers
- PowerPact™ H-, J-, and L-frame circuit breakers

### NOTE:

- The information related to the new generation of ComPact NSX and PowerPact H-, J-, and L-frame circuit breakers in this guide applies to the existing range ComPact NSX and PowerPact H-, J-, and L-frame circuit breakers also. The exceptions are mentioned wherever applicable.
- The information related to the new generation of ComPact NS and PowerPact P- and R-frame circuit breakers in this guide applies to the existing range ComPact NS and PowerPact P- and R-frame circuit breakers also. The exceptions are mentioned wherever applicable.

## Related Documents for IEC Devices

The following table lists documents for IEC devices compatible with the Service Interface with the latest firmware version.

Title of documentation	Reference number
<i>Service Interface - User Guide</i>	DOCA0170EN
<i>MasterPact NT - Circuit Breakers and Switch-Disconnectors from 630 to 1600 A - User Guide</i>	51201116AA (EN)
<i>MasterPact NW - Circuit Breakers and Switch-Disconnectors from 800 to 6300 A - User Guide</i>	04443720AA (EN)
<i>MasterPact NT/NW - Circuit Breakers and Switch-Disconnectors - Maintenance Guide</i>	LVPED508016EN
<i>MasterPact NT/NW - Basic and Standard End-User Maintenance Procedures</i>	HRB16483EN
<i>ComPact NS - MicroLogic Trip Units - User Guide</i>	DOCA0217EN

<b>Title of documentation</b>	<b>Reference number</b>
<i>ComPacT NS - MicroLogic A/E Trip Units - User Guide</i>	DOCA0218EN
<i>ComPacT NS - MicroLogic P Trip Units - User Guide</i>	DOCA0219EN
<i>ComPacT NS - Circuit Breakers and Switch-Disconnectors - User Guide</i>	DOCA0221EN
<i>ComPacT NSX - Circuit Breakers and Switch-Disconnectors - User Guide</i>	DOCA0187EN
<i>ComPacT NSX - MicroLogic 5/6/7 Electronic Trip Units - User Guide</i>	DOCA0188EN
<i>EasyPact MVS - User Manual</i>	MVS21734

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 Devices

The following table lists documents for UL devices compatible with the Service Interface with the latest firmware version.

<b>Title of documentation</b>	<b>Reference number</b>
<i>Service Interface - User Guide</i>	DOCA0170EN
MasterPact NT Low-Voltage Power/Insulated Case Circuit Breaker - Instruction Bulletin	0613IB1209 (EN, ES, FR)
MasterPact NW Low-Voltage Power/Insulated Case Circuit Breaker - Instruction Bulletin	0613IB1204 (EN, ES, FR)
PowerPacT R-Frame and NS1600b–NS3200 Circuit Breakers - Instruction Bulletin	48049-243-04 (EN, ES, FR)
PowerPacT P-Frame and NS630b–NS1600 Circuit Breakers - Instruction Bulletin	48049-148-05 (EN, ES, FR)
PowerPacT P-Frame Drawout Circuit Breakers - Instruction Bulletin	48049-336-02 (EN, ES, FR)
<i>PowerPacT H-, J-, and L-Frame Circuit Breakers with MicroLogic Trip Units - User Guide</i>	48940-313-01 (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).

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# Introduction to Service Interface

## Overview

The Service Interface with part number LV485500 is a portable instrument designed for field testing.

The Service Interface is used:

- for configuration of Enerlin'X devices.
- for testing and configuration of MicroLogic™ trip units mounted in the following low voltage circuit breakers:
  - MasterPact™ NT/NW circuit breakers
  - EasyPact™ MVS circuit breakers
  - ComPacT™ NS circuit breakers
  - PowerPacT™ P- and R- frame circuit breakers
  - ComPacT™ NSX circuit breakers
  - PowerPacT™ H-, J-, and L-frame circuit breakers

### NOTE:

- The information related to the new generation of ComPacT NSX and PowerPacT H-, J-, and L-frame circuit breakers in this guide applies to the existing range ComPacT NSX and PowerPacT H-, J-, and L-frame circuit breakers also. The exceptions are mentioned wherever applicable.
- The information related to the new generation of ComPacT NS and PowerPacT P- and R-frame circuit breakers in this guide applies to the existing range ComPacT NS and PowerPacT P- and R-frame circuit breakers also. The exceptions are mentioned wherever applicable.
- These new ranges are based on the same technical and dimensional architecture as that of the exiting range of circuit breakers.

EcoStruxure™ Power Commission (EPC) is a global software with test functions features for testing the circuit breakers and communication accessories through the Service Interface.

## Firmware Release History

The following table indicates the release history of Service Interface firmware.

Date	Firmware version	Availability
November 2023	001.001.040	Digital release in EcoStruxure Power Commission software
July 2023	001.001.037	Obsolete
May 2023	001.001.035	Obsolete
April 2023	001.001.032	Obsolete
December 2022	001.001.030	Obsolete
November 2022	001.001.025	Obsolete
April 2022	001.001.019	Release for manufacturing
January 2022	001.001.015	Obsolete
December 2021	001.001.012	Obsolete
October 2021	001.001.008	Obsolete
August 2021	001.000.003	Obsolete

Date	Firmware version	Availability
October 2020	001.000.001	Obsolete
August 2020	001.000.000	Obsolete

## Firmware Update Policy

Firmware update is recommended to benefit from the latest features and potential bug fixes. Do not update the firmware to the latest version, if the latest features are not required for your application and no bug fixes are provided.

Use this release note to determine whether an update to the latest version of the firmware is 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).
- 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 the user 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*.



## Firmware Versions

### Firmware Version 001.001.040

#### New Features

Alarm simulation for ComPacT NSX and PowerPacT H-, J-, and L-Frame circuit breakers.

#### Bugs Fixed

Rectification of a bug in the Earth leakage current (IVigi) trip detection.

### Firmware Version 001.001.037

- Addition of new registers.
- Motor variants for ComPacT NSX circuit breakers trip time correction.

### Firmware Version 001.001.035

#### New Features

Addition of devices compatible with Service Interface:

- MicroLogic trip units for ComPacT NSX circuit breakers
- MicroLogic trip units for PowerPacT H-, J-, and L- frame circuit breakers

### Firmware Version 001.001.032

#### New Features

Performance enhancement.

### Firmware Version 001.001.030

Integration of new registers.

### Firmware Version 001.001.027

#### Bugs Fixed

- Enhancement in protection settings on MicroLogic 4.2 trip unit in ComPacT NSX and PowerPacT H-, J-, and L- frame circuit breakers.

- Improvement of identification of the cable to be connected to the Service Interface.

## Firmware Version 001.001.025

### New Features

- The Service Interface can be used for updating firmware and testing the MicroLogic 5 A/E, MicroLogic 6 A/E, and MicroLogic 7 E trip units mounted in the following low voltage circuit breakers:
  - ComPacT NSX circuit breakers
  - PowerPacT H-, J-, and L- frame circuit breakers
- The Service Interface can be used for testing the MicroLogic trip units mounted in the following low voltage circuit breakers:
  - ComPacT NSX circuit breakers
  - PowerPact H-, J-, and L-frame circuit breakers

The following tests can be performed through the Service Interface:

- Zone-Selective Interlocking (ZSI) test
- Preparation for primary injection tests
- The Service Interface can be used for updating firmware and configuring Enerlin'X devices.

### Bugs Fixed

- Refinement in communication during injection tests being performed.
- Rectification in trip time calculation.

## Firmware Version 001.001.019

### New Features

The Service Interface can be used for testing and configuring the MicroLogic 5 A/E, MicroLogic 6 A/E, and MicroLogic 7 E trip units mounted in the following low voltage circuit breakers:

- ComPacT NSX circuit breakers
- PowerPact H-, J-, and L-frame circuit breakers

Automatic trip curve test with pre-configured test points can be performed through the Service Interface.

## Firmware Version 001.001.015

### New Features

- The Service Interface can be used for testing and configuring the MicroLogic 5.2 B and 5.3 B trip units mounted in the following low voltage circuit breakers:
  - ComPacT NSX circuit breakers
  - PowerPact H-, J-, and L-frame circuit breakersThe following tests can be performed through the Service Interface:
  - Automatic trip curve test with pre-configured test points
  - Automatic trip curve test with custom test points
- The Service Interface can be used for configuring the MicroLogic 5 A/E, 6 A/E, and 7 E trip units mounted in the following low voltage circuit breakers:
  - ComPacT NSX circuit breakers
  - PowerPact H-, J-, and L-frame circuit breakers

## Firmware Version 001.001.012

### Bugs Fixed

Automatic trip curve test did not trip MasterPact NW4000b–6300 circuit breakers. Bug introduced in firmware version 001.001.008.

## Firmware Version 001.001.008

### Bugs Fixed

During automatic trip curve test on MicroLogic trip unit:

- Trip did not occur on the circuit breaker due to injection time out.
- Trip occurred but the trip time was not displayed properly.

## Firmware Version 001.000.003

### Bugs Fixed

- Algorithm was not able to support different Mitop coils.
- EcoStruxure Power Commission register mapping was incorrect for the circuit breakers manufactured prior to 2007.

## Firmware Version 001.000.001

### Bugs Fixed

Algorithm corrections were done to improve the test functions.

## Firmware Version 001.000.000

### New Features

The Service Interface can be used for testing the following MicroLogic trip units:

- non-communicating MicroLogic trip units
- communicating MicroLogic A, E, P, and H trip units

when they are mounted in the following low voltage circuit breakers:

- MasterPact NT/NW circuit breakers
- EasyPact MVS circuit breakers
- ComPacT NS circuit breakers
- PowerPacT P- and R- frame circuit breakers

The following tests can be performed using the Service Interface:

- Automatic trip curve tests
  - with preconfigured test points
  - with custom test points
- Zone-Selective Interlocking (ZSI) test
- Device check up (Force trip test)
- Preparation for primary injection tests:
  - Reset thermal memory
  - Inhibit ground-fault protection



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