

Pact Series

Service Interface for MasterPact NT/NW, ComPact NS, and PowerPact P-, R-Frame Circuit Breakers

Firmware Release Note

Pact Series offers world-class circuit breakers and switches

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Introduction to Service Interface

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.

Overview

The Service Interface is a portable instrument designed for field testing. The Service Interface with part number LV485500 is used for testing and configuration of MicroLogic™ trip units mounted in the following low voltage circuit breakers:

- ComPact™ NS 630b-1600 circuit breakers
- ComPact™ NS 1600b-3200 circuit breakers
- PowerPact™ P- and R- frame circuit breakers
- MasterPact™ NT/NW 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 availability of each firmware version for Service Interface.

Date	Firmware version	Availability
August 2021	001.000.003	Digital release in EcoStruxure Power Commission software
November 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 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 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.

The latest version of EcoStruxure Power Commission software is available at www.se.com.

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

Firmware Versions

Firmware Version 001.000.003

Bugs Fixed

- Algorithm corrections were done to support different Mitop coils.
- EPC register mapping were fixed for the circuit breakers manufactured prior to 2007.

Firmware Version 001.000.001

Bugs Fixed

Improved algorithms

Firmware Version 001.000.000

New Features

- Tested the following architecture:
 - Trip unit: Samples from various MicroLogic trip unit types produced in 2019 and 2020
 - Circuit breaker: MasterPact NT/NW
- Added the following function tests:
 - Automatic Trip Curve tests
 - Manual Trip Curve tests
 - Zone-Selective Interlocking (ZSI) test
 - Ground-fault inhibit function
 - Push to trip function

Related Documents

The following sections list the documents valid for IEC and UL devices that are compatible with the Service Interface with the latest firmware version.

Related Documents for IEC Devices

Title of documentation	Reference number
Service Interface for MasterPact NT/NW, ComPact NS, and PowerPact P-, R-Frame Circuit Breakers - User Guide	DOCA0170EN
MasterPact NT - Circuit Breakers and Switch-Disconnectors - User Guide	51201116AA (EN)
MasterPact NW - Circuit Breakers and Switch-Disconnectors - User Guide	04443720AA (EN)
MasterPact NT/NW - Circuit Breakers and Switch-Disconnectors - Maintenance Guide	LVPED508016EN
MasterPact NT/NW - Circuit Breakers and Switch-Disconnectors - Maintenance Procedures Level II and Level III	HRB16483 (EN, FR)
ComPact NS 630b-1600 - Circuit Breakers and Switch-Disconnectors - User Guide	51201640AA (EN)

Related Documents for UL Devices

Title of documentation	Reference number
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)

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