

MANUFACTURER DOCUMENT PACKAGE

# Manufacturer's Manual

Reference package for procurement and maintenance review

PRODUCT BRAND

**Siemens**

PRODUCT MODEL

**6SL3255-0AA00-4CA1**

SINAMICS G120 Basic Operator Panel 2 for drive commissioning, parameter entry, monitoring and diagnostics.

OFFICIAL SOURCE

**Basic Operator Panel 2 (BOP-2) Operating Instructions**

A5E37143404B AA

[Open current Siemens source](#)

## Overview

### Introduction

The Basic Operator Panel 2 (BOP-2) has been designed to enhance the interface and communications capabilities of SINAMICS Inverters.

The BOP-2 connects to the Inverter through an RS232 interface. The BOP-2 automatically recognize all variants of the following Control Units from the SINAMICS range:

- SINAMICS G120 CU230P-2
- SINAMICS G120 CU240B-2
- SINAMICS G120 CU240E-2
- SINAMICS G120 CU250S-2
- SINAMICS G120C

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#### **Note**

##### **BOP-2 functional support**

The BOP-2 supports all of the previously listed Control Units with firmware version 4.3 Service Pack 2 (SP2) or later.

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## Fitting the BOP-2 to the Control Unit

### Note

#### BOP-2 power supply

The BOP-2 has no internal power supply and derives its power directly from the Control Unit through the RS232 interface. Any cloned data stored on the BOP-2 is saved to its non-volatile memory which does not require power to retain the data.

To fit the BOP-2 to the Control Unit the following procedure should be performed:

1. Place the bottom edge of the BOP-2 casing into the lower recess of the Control Unit housing.
2. Push the BOP-2 towards the Control Unit until the release-catch clicks into place on the Control unit housing.



Image 5-1 Fitting the BOP-2 to the Control Unit

To remove the BOP-2 from the Control Unit, press down on the release-catch and pull the BOP-2 off the Control Unit.

## Technical data

# 12

### BOP-2 specifications

Table 12- 1 BOP-2 specifications

| Feature                                   | Description                                                                |
|-------------------------------------------|----------------------------------------------------------------------------|
| Protection                                | Depending upon the Control Unit IP rating to a max. of IP55                |
| Dimensions (H x W x D)                    | 106.86 mm x 70 mm x 19.6 mm                                                |
| Net weight                                | 0.10 Kg (0.22 lbs)                                                         |
| Gross weight                              | 0.17 Kg (0.37 lbs)                                                         |
| Operating ambient temperature             | 0 - 50 °C (32 - 122 °F) under nominal conditions of the attached inverter. |
| Transport and storage ambient temperature | -40 - +70 °C (-40 - 158 °F)                                                |
| Humidity                                  | Maximum absolute humidity 25 g/m <sup>3</sup>                              |