MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3255-0AA00-4JC1

INTELLIGENT DRIVE OPERATOR PANEL

Used with the applicable SINAMICS IOP configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens 6SL3255-0AA00-4JC1 technical data and applicable product instructions

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Overview

Intelligent Operator Panel IOP



Intelligent Operator Panel IOP

The Intelligent Operator Panel IOP is a very user-friendly and powerful operator panel for the SINAMICS G120, SINAMICS G120C, SINAMICS G120P, SINAMICS G110D, SINAMICS G120D, SINAMICS G110M and SINAMICS S110 standard drives.

The IOP supports both entry-level personnel and drive experts. Thanks to the large plain text display, the menu-based operation and the application wizards, it is easy to commission standard drives. A drive can be essentially commissioned without having to use a printed parameter list – as the parameters are displayed in plain text, and explanatory help texts and the parameter filtering function are provided.

Application wizards interactively guide you when commissioning important applications such as conveyor technology, pumps, fans and compressors. There is a basic commissioning wizard for general commissioning.

Up to 2 process values can be displayed graphically or numerically on the status screen/status display. Process values can also be displayed in technological units.

The IOP supports standard commissioning of identical drives. For this purpose, a parameter list can be copied from an inverter into the IOP and downloaded into other drive units of the same type as required.

The IOP is available in 2 versions with the following languages [1]:

- German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish
- Chinese (simplified), English, German

The IOP can be installed in control cabinet doors using the optionally available door mounting kit.

The operating temperature of the IOP is 0 °C ... 50 °C (32 °F ... 122 °F).

IOP Handheld



IOP Handheld

A handheld version [2] of the IOP can be ordered for mobile use. In addition to the IOP, this includes a housing with rechargeable batteries, charging unit and RS232 connecting cable. The charging unit is supplied with connector adapters for Europe, the US and UK. When the batteries are fully charged, the operating time is up to 8 hours.

To connect the IOP handheld to SINAMICS G110D, SINAMICS G120D or SINAMICS G110M, the RS232 connecting cable with optical interface is required in addition.

Updating the IOP

The IOP can be updated and expanded using the integrated USB interface.

Data to support future drive systems can be transferred from the PC to the IOP. Further, the USB interface allows user languages and wizards that will become available in the future to be subsequently downloaded and the firmware to be updated for the IOP [1].

The IOP is supplied with power via the USB interface during an update.

[1] Further information is available at https://support.industry.siemens.com/cs/document/67273266

[2] The IOP with Article No. 6SL3255 0AA00 4JA1 is included in the scope of supply of the IOP Handheld.

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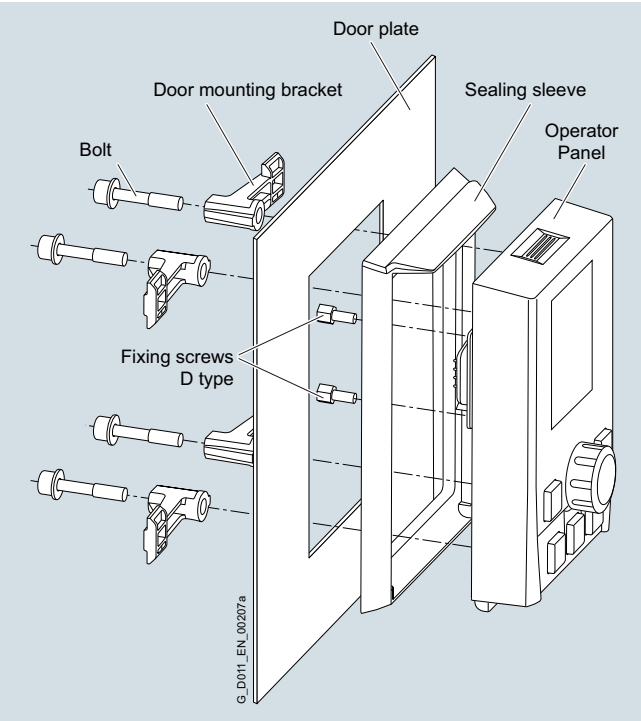
4

Benefits

- Simple commissioning of standard applications using wizards, it is not necessary to know the parameter structure
- Diagnostics using plain text display; can be used locally on-site without documentation
- Direct manual operation of the drive – you can toggle between automatic and manual modes
- Status display with freely selectable units; display of real physical values
- Intuitive, navigation using a wheel – just like in everyday applications
- Graphic display e.g. for status values such as pressure or flowrate in bar charts
- Quickly and simply mounted in the door – mechanically and electrically
- Simple local commissioning on-site using the handheld version
- Commissioning without documentation using the integrated help function
- Standard commissioning using the clone function (parameter set data is saved for fast replacement)
- Upload and download of parameter sets (IOP system memory or SINAMICS SD card)
- Storing of up to 16 fixed or 200 freely namable parameter sets in IOP (IOP with firmware V1.5 SP1 and higher)
- User-defined parameter list with a reduced number of self-selected parameters (to generate your own commissioning screens)
- The IOP is available in 2 versions with the following languages [1]:
  - German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish.
  - Chinese (simplified), English, German
- Simple update of languages, wizards and firmware updates via USB [1]

Integration

Using the optionally available door mounting kit, an operator panel can be simply mounted in a control cabinet door with just a few manual operations. For door mounting with an IOP, degree of protection IP54/UL Type 12 is achieved, and with BOP-2, degree of protection IP55.



Door mounting kit with plugged-on IOP

Selection and ordering data

Description	Article No.
Intelligent Operator Panel IOP	
• German, English, French, Italian, Spanish, Portuguese, Dutch, Swedish, Russian, Czech, Polish, Turkish, Finnish	**6SL3255-0AA00-4JA1**
• Chinese (simplified), English, German	**6SL3255-0AA00-4JC1**
IOP Handheld For use with SINAMICS G120, SINAMICS G120C, SINAMICS G120P, SINAMICS G110D, SINAMICS G120D, SINAMICS G110M and SINAMICS S110 Included in the scope of delivery: • IOP (6SL3255-0AA00-4JA1) • Handheld housing • Rechargeable batteries (4 × AA) • Charging unit (international) • RS232 connecting cable (3 m/9.84 ft long), used in combination with SINAMICS G120, SINAMICS G120C, SINAMICS G120P and SINAMICS S110 [2] • USB cable (1 m/3.28 ft long)	**6SL3255-0AA00-4HA0**
Accessories	
Door mounting kit For mounting an operator panel in control cabinet doors with sheet steel thicknesses of 1 ... 3 mm (0.04 ... 0.12 in) IP54 degree of protection for IOP IP55 degree of protection for BOP-2 Included in the scope of delivery: • Seal • Mounting material • Connecting cable (5 m/16.4 ft long, also supplies voltage to the IOP directly via the SINAMICS G120C compact inverter)	**6SL3256-0AP00-0JA0**

[1] Further information is available at https://support.industry.siemens.com/cs/document/67273266

[2] For use in combination with SINAMICS G110D, SINAMICS G120D and SINAMICS G110M, the RS232 connecting cable with optical interface is required (Article No.: 3RK1922-2BP00). The cable must be ordered separately.