

G120P supplemental system components

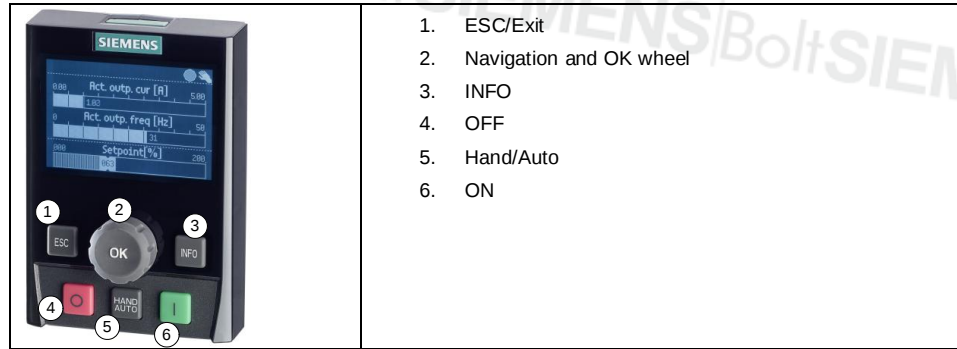
IOP-2, BOP-2, Blanking cover

- Operator panel IOP-2 (Intelligent Operator Panel) with application-specific commissioning wizards, clear text display and USB interface
- Operator panel BOP-2 (Basic Operator Panel), menu driven and 2-line display
- Blanking cover, degree of protection IP55/UL Type 12
- Drive Operating temperature 0 ... 50 °C, with blanking cover 0 ... 60 °C

Use

Operator panels for comfortable on-site commissioning, control as well as diagnostics, and simple cloning of complete VSD data sets. As an option, a blanking cover (IP55) can be used in lieu of the operator panel to cover the interface.

- Intelligent Operator Panel IOP-2, degree of protection IP54/UL Type 12
Menu-driven with clear text display, help function and application wizards for commissioning, diagnostics, and operation of standard drives.
- Basic Operator Panel BOP-2, degree of protection IP55/UL Type 12
Menu-driven tool with 2-line display for fast and comfortable commissioning of the VSD. Simultaneous display of parameter and parameter value. Commission a drive without a print out of the parameter list.



1. ESC/Exit
 2. Navigation and OK wheel
 3. INFO
 4. OFF
 5. Hand/Auto
 6. ON
- ESC button (1) to return to menu status or the previous display
 - Selection of menu items using the navigation and OK wheel (2)
 - Explanatory help texts via the INFO button (3)
 - ON/Off buttons (6) and (4) to switch on and off and start the inverter
 - Button (5) for the changeover from Auto to manual operation
 - On the rear:
 - Type plate
 - 1 USB connection
 - 1 RS232 plug
 - 4 door-mounting screw recesses
 - Detailed information on operation is available in the user's guide SINAMICS IOP-2 (A5E00110011A2 AA)

IOP-2 functions

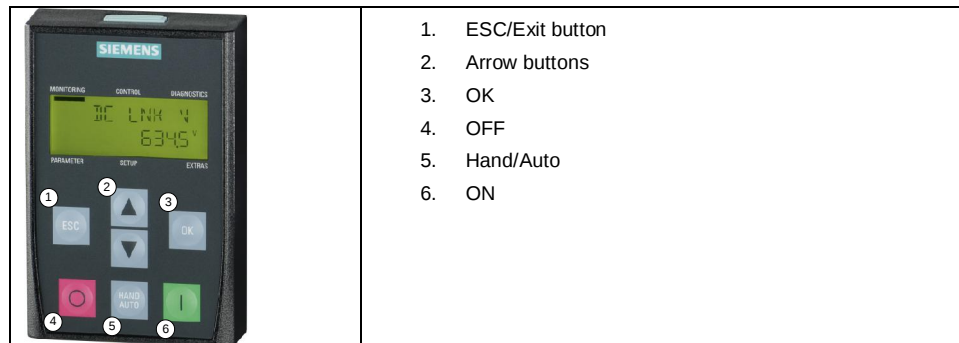
- Very user-friendly and powerful operator panel for SINAMICS G120P standard drives.
- Easy commissioning, for beginners as well as drive experts thanks to clear text displays, menus, and interactive application wizards
- Fast commissioning wizard for general commissioning
- Drive commissioning without printed parameter lists by displaying the parameters in clear text, explanatory help texts, and parameter filters
- Support of repeat commissioning by loading a parameter list to other drives of the same type (up to 16 parameter sets can be saved)
- Includes wizards for simple configuration of important applications including pumps, fans, and compressors
- Diagnostics of errors and warning messages displayed in clear text
- Graphical or numeric visualization of up to two process values
- Updates and extensions via the integrated USB interface:
 - Drag & Drop to add new drive types, user languages and wizards
 - Powered via USB interface during updates
- Pre-installed language packages in German, English, French, Italian, and Spanish
- Language packages, updates, and extensions are available at no charge under <http://support.automation.siemens.com/WW/view/en/30563514/130000>

New in IOP-2

- Fully compatible with the new CU230P-2 firmware V4.6
- More internal memory for extra flexibility (language and firmware updates)
- Reduced loading times of wizards and when searching parameters
- Enhanced commissioning wizard
 - Direct selection of motor temperature sensors during commissioning
 - Better efficiency by entering the motor cos phi
 - Tunable motor current for even better control and motor protection

- Full compatibility with the new HVAC macros for quick application commissioning

Overview BOP-2



- ESC button (1) to return to menu status or the previous display
- Navigate menus and set values via the arrow buttons (2)
- OK button (3) to select and confirm values
- ON/Off buttons (6) and (4) to switch on and off and start the inverter
- Button (5) for the changeover from Auto to manual operation
- On the rear:
 - Type plate
 - 1 RS232 plug
 - Door-mounting screw recesses
- Detailed information on operation is available in the user's guide SINAMICS BOP-2 (A5E02778927A AA)

BOP-2 functions

- Simple commissioning of standard drives with menu-driven 2-line display.
- Drive commissioning without printed parameter lists by displaying the parameters in clear text, explanatory help texts, and parameter filters
- Direct, menu-driven and easy diagnostics
- Numeric visualization of up to two process values for simple monitoring
- Support of repeat commissioning by loading a parameter list to other devices of the same type.

Benefits at a glance

	IOP-2	BOP-2
		
Operator panel	• Large, clear text display • Menu-driven and application wizards	• 7-segment display • Menu driven
Possible applications	• Mounted directly on the SINAMICS G120P • Degree of protection IP54/UL Type12 • 5 available languages	• Mounted directly on the SINAMICS G120P • Degree of protection IP55/UL Type12
Commissioning	• Repeat commissioning using the cloning function • User-defined parameter list, that only displays the parameters you want to use • Simple commissioning of standard applications using application-specific wizards; no knowledge of parameter structure required • Commissioning without documentation is possible for simple applications	• Repeat commissioning using the cloning function
Operation and GUI	• Direct manual drive operation • Simple changeover between Auto and manual modes • Rotary selection and press for enter interface ensure intuitive navigation • Graphical display with trend functions to depict status values, such as pressure, flow, in bar diagrams • Status display with freely selectable units for physical values	• Direct manual drive operation • Simple changeover between Auto and manual modes • 2-line display to display up to 2 process values with text
Minimize service times	• Diagnostics using clear text display, without documentation and available on site • Simple update of languages, wizards, and firmware via USB • Language packages, updates, and extensions are available at no charge under http://support.automation.siemens.com/WW/view/en/30563514/130000	• Menu-driven diagnostics with 7-segment display

Ordering

Description	Order no. / MLFB	Type (ASN)
SINAMICS G120P IP20 / IP54, Intelligent Operator Panel (IOP-2)	6SL3255-6AA00-4JA1	G120P-IOP-2
SINAMICS G120P IP20 / IP55, Basic Operator Panel (BOP-2)	6SL3255-6AA00-4CA0	G120P-BOP-2

Accessories

Description	Order no. / MLFB	Type (ASN)
SINAMICS G120P Door kit (IP54) / BOP-2 (IP55), KIT UL TYP12 for Intelligent Operator Panel IOP-2 and Basic Operator Panel BOP-2 consisting of: Seals, mounting materials, and connection cable (5M)	6SL3256-6AP00-0JA0	G120P-Door-Kit

Product documentation

Operating Instructions IOP-2 Detailed information on operating the SINAMICS IOP-2
Document no.: A5E00110011A2 AB

Getting Started Guide IOP-2 Product insert for a quick introduction
Document no.: A5E02449215B2

Operating Instructions BOP-2 Detailed information on operating the SINAMICS BOP-2
Document no.: A5E02778927A AB

Getting Started Guide BOP-2 Product insert for a quick introduction
Document no.: A5E02826349A

SIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/Bolt

SIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/Bolt

SIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/BoltSIEMENS/Bolt