

MANUFACTURER DOCUMENT PACKAGE

Manufacturer's Manual

Reference package for procurement and maintenance review

SIEMENS

6SL3255-0VA00-4BA1

SINAMICS V20 EXTERNAL BASIC OPERATOR PANEL

Used with the applicable SINAMICS V20 configuration.

REFERENCE PACKAGE

OFFICIAL DOCUMENT

Selected official manufacturer pages follow this cover.

Source: Siemens manufacturer documentation for 6SL3255-0VA00-4BA1

B.1.2 External BOP and BOP Interface Module

External BOP

Article number: 6SL3255-0VA00-4BA1

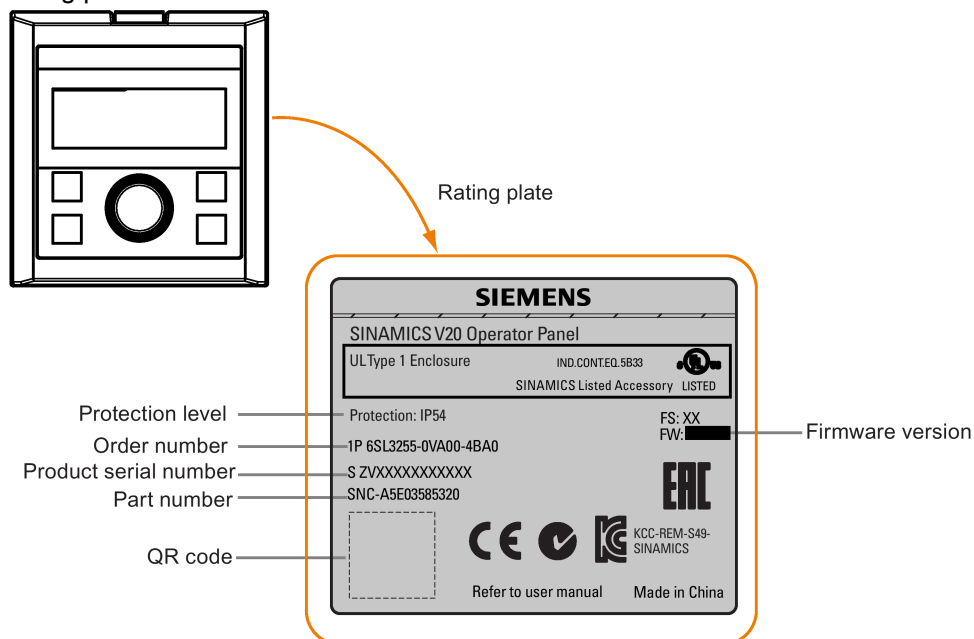
The external BOP is used for remote control of the inverter operation. When mounted on a suitable cabinet door, the external BOP can achieve a UL/cUL Type 1 enclosure rating.

Components

- External BOP unit
- 4 x M3 screws

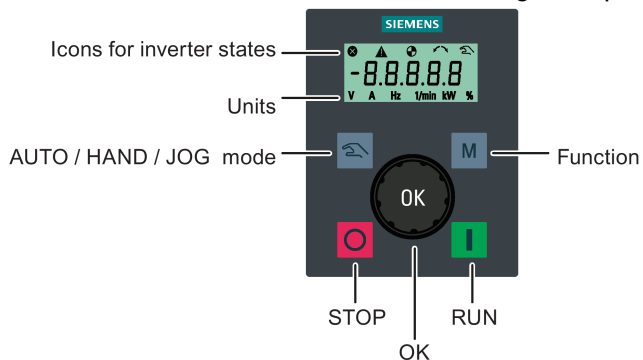
Rating plate

The rating plate for the external BOP is located on the back side of the BOP.



Panel layout

The SINAMICS V20 supports an external BOP for remote control of inverter operation. The external BOP connects to the inverter through an optional BOP Interface Module.



Button functions

Button	Description
	Stops the inverter Button functions the same as the  button on the built-in BOP.
	Starts the inverter Button functions the same as the  button on the built-in BOP.
	Multi-function button Button functions the same as the  button on the built-in BOP.
	Pressing the button: Button functions the same as the  button on the built-in BOP. Turning clockwise: Button functions the same as the  button on the built-in BOP. Fast turning functions the same as long press of the  button on the built-in BOP. Turning counter-clockwise: Button functions the same as the  button on the built-in BOP. Fast turning functions the same as long press of the  button on the built-in BOP.
	Button functions the same as the  +  buttons on the built-in BOP.

Inverter status icons

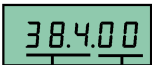
	These icons have the same meaning as the corresponding icons on the built-in BOP.
	
	
	
	
	Commissioning icon. The inverter is in commissioning mode (P0010 = 1).

Screen display

The display of the external BOP is identical to the built-in BOP, except that the external BOP has a commissioning icon  which is used to indicate that the inverter is in commissioning mode.

On inverter power-up, the inverter-connected external BOP first displays "BOP.20" (BOP for the SINAMICS V20) and then the firmware version of the BOP. After that it detects and displays the baudrate and the USS communication address of the inverter automatically.

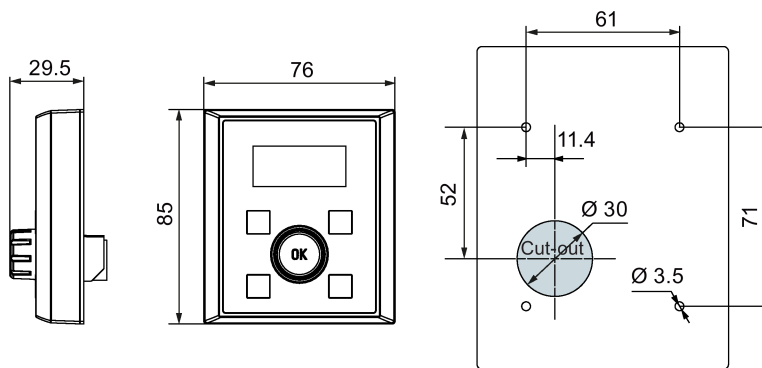
See the following table for settable baudrate and address values. To change the baudrate, set P2010[0]. To change the USS communication address, set P2011[0].

Baudrate (bps)	Communication address	Display example
9600	0 ... 31	 Baudrate: 38400 Address: 0
19200	0 ... 31	
38400	0 ... 31	
57600	0 ... 31	
76800	0 ... 31	
93750	0 ... 31	
115200	0 ... 31	

In case of any communication errors, the screen displays "noCon" which means that no communication connection has been detected. The inverter then automatically restarts baudrate and address detection. In this case, check that the cable is correctly connected.

Mounting dimensions of the external BOP

The outline dimensions, drill pattern and cut-out dimensions of the external BOP are shown below:



Unit: mm

Fixings:

4 x M3 screws (length: 8 mm to 12 mm)

Tightening torque: 0.8 Nm $\pm$ 10%