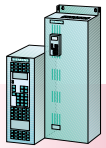
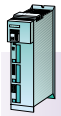


Compact and chassis units



Compact PLUS units

Operator control, visualization and communication with SIMATIC

The OP1S comfort operator control panel

The OP1S operator control panel is an optional input/output unit which can be used for parameterizing the drive units. Plain text displays greatly facilitate parameterization.

Designation		Order No.
OP1S control panel		**6SE7090–0XX84–2FK0**
AOP1S adapter for cabinet-door mounting incl. 5 m (16.4 ft) connecting cable		**6SX7010–0AA00**
Connecting cable PMU-OP1S	3 m (9.8 ft)	**6SX7010–0AB03**
Connecting cable PMU-OP1S	5 m (16.4 ft)	**6SX7010–0AB05**

OP1S user-friendly operator control panel

The OP1S operator control panel is an optional input/output device which can be used for parameterizing the units. Parameterization is menu-guided and is performed by selecting the parameter number and then entering the parameter value. Plain-text displays greatly facilitate parameterization.

Parameter and parameter value descriptions, as well as text displays in English, German, Spanish, French and Italian, are included in the standard version.

The OP1S has a non-volatile memory and is capable of permanently storing complete parameter sets. It can therefore be used for archiving parameter settings and for transferring parameter sets from one unit to another.
Its storage capacity is sufficient to store 5 CUMC board data sets. It is not possible to store data sets of the technology boards (e.g. T100, T300).

On the rear of the OP1S is a 9-pin SUB-D connector via which power is supplied and communication with the connected units takes place.

The OP1S operator control panel may be plugged directly onto the SUB-D socket of the PMU operator control and parameterizing unit and screwed into the front panel.

The OP1S operator panel can also be used as a remote-control device. The cable between the PMU and the OP1S must not exceed 200 m (656 ft). If longer than 5 m (16 ft), a standard 5 V power supply with a current capability of at least 400 mA must be included on the OP1S end, as shown in Fig. 6/97.

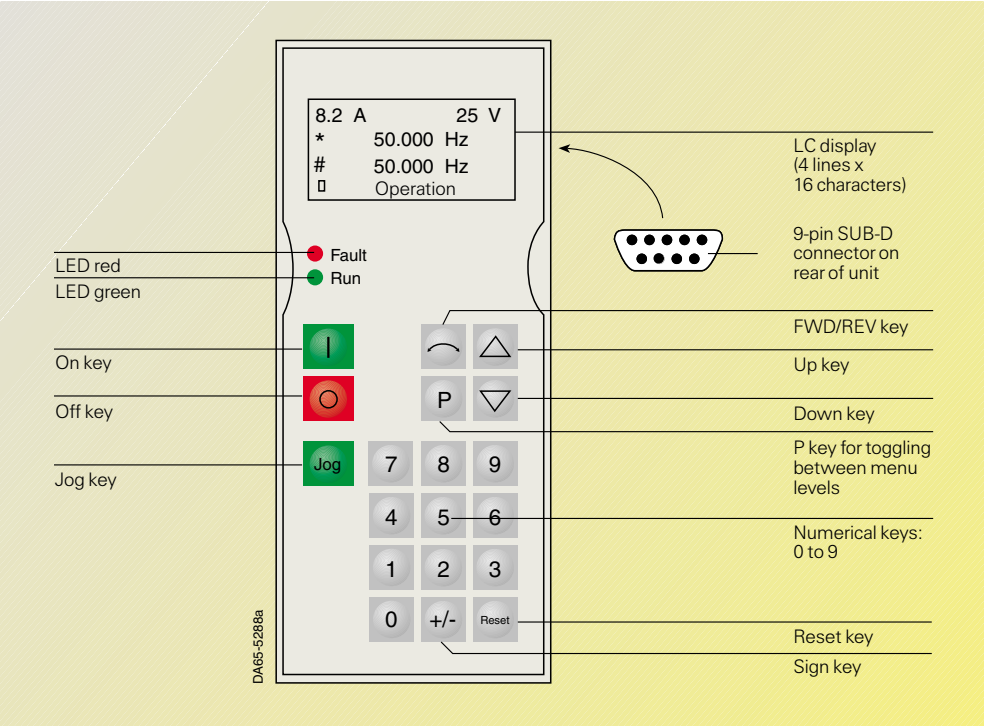


Fig. 6/96
View of the OP1S

OP1S connections via RS485	Pin	Designation	Description
	1	–	–
	2	–	–
	3	RS485 P	Data via RS485 interface
	4	–	–
	5	N5V	Ground
	6	P5V	5 V auxiliary voltage supply
	7	–	–
	8	PS485 N	Data via RS485 interface
	9	–	Reference potential

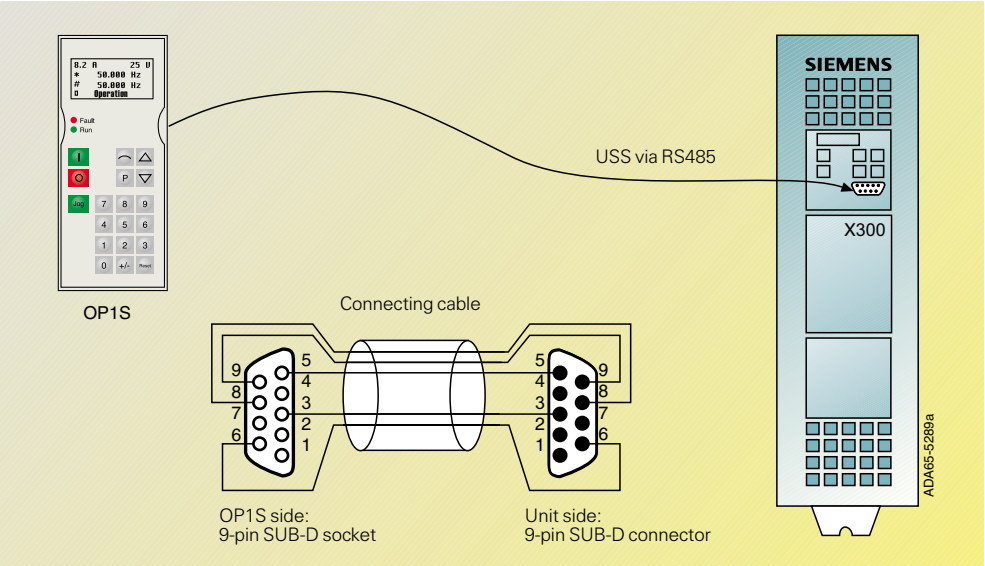


Fig. 6/97
OP1S in a point-to-point link

OP1S user-friendly operator control panel (continued)

The OP1S and the unit to be operated communicate with each other via the serial interface (RS485) using the USS protocol (see Fig. 6/97). During communication, the OP1S assumes the function of a master whereas the connected units function as slaves (see Fig. 6/99). The OP1S can be operated at transfer rates of 9.6 kbit/s and 19.2 kbit/s and is capable of communicating with up to 31 slaves (address 1 to 31). It can therefore be used in a point-to-point link (operator control of one unit) or with a bus configuration (operator control of several units).

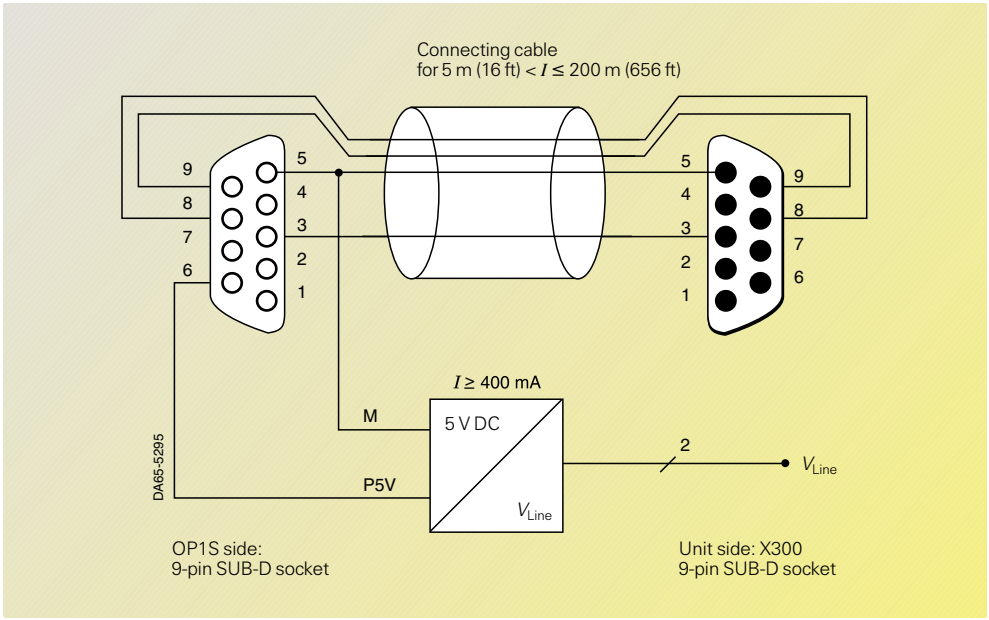


Fig. 6/98
OP1S in a point-to-point link with up to 200 m (656 ft) of cable

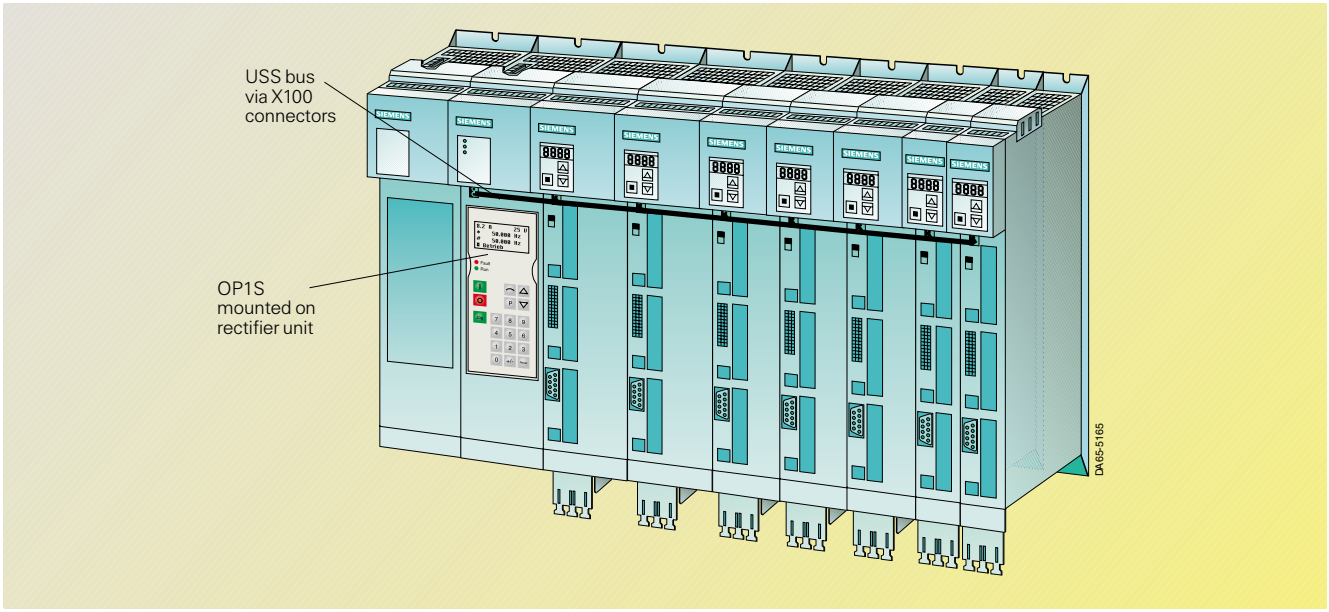


Fig. 6/99
OP1S, bus operation with Compact PLUS units