7XV57
RS232 – RS485 Converter

Fig. 14/32
RS232 – RS485 converter

- Minimum baud rate: 9600 baud
- Maximum baud rate: 115 kbaud
- No setting of baud rate necessary
- Compact plug casing
- Power supply via plug in PSU
- Maximum 31 relays at RS485 bus
- Complete set for connecting 1 relay to RS485 bus

Description

Up to 31 SIPROTEC 4 relays with an electrical, bus-capable RS485 interface to a PC for centralized control can be connected via the RS232 – RS485 converter.

The converter is housed in an expanded plug casing. The interfaces are connected to 25-pin female connectors. The auxiliary voltage is supplied via a plug-in power supply unit attached to the side. Auxiliary voltages of 110 or 230 V AC allow operation with all common AC networks.

A twisted and shielded cable with two cores is required for the RS485 bus. The protection relays are connected to the bus in series. Data transmission at a speed of 19.2 kbaud with a bus length of up to approximately 1000 m is possible.

The converter, plug-in power supply unit and the connecting cable to the first relay are included in the scope of supply.

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Technical data

Design

Plug chassis	Plastics
Dimensions	63 x 94 x 16 mm (W x H x D)
Degree of protection	IP 20

Power supply

Power supply	110 or 230 V AC
Via	Plug-in power supply unit

Electrical interfaces

Type	RS232 to RS485 (non-isolated)
Assignment	See Fig. 14/33

CE conformity, standards

This product is in conformity with the directive of the Council of the European Communities on the approximation of the laws of the Member States relating to the electromagnetic compatibility (EMC Council Directive 89/336/EEC).

Conformity is proved by tests performed by Siemens AG in accordance with the generic standards EN 50081-1 and EN 50082-2.

Selection and ordering data

Description	Order No.
7XV5700 RS232 – RS485 converter	*7XV5700-☐☐☐00*

Rated auxiliary voltage

Via plug-in auxiliary power supply unit (PSU) 230 V / 50 Hz AC	*0*
Via plug-in auxiliary PSU 110 V / 60 Hz AC	*1*

Connecting cable

With RS485 connecting cable for 7SJ60, 7RW60, 7SD60, 7SV60, 1 m long	*A*
With RS485 connecting cable for SIMEAS Q and SIPROTEC 4, 1 m long	*B*
With RS485 connecting cable for SIMEAS T, 1 m long	*C*
Without RS232 connecting cable	*A*
With RS232 connecting cable 7XV5100-2 for PC/notebook, 9 pin	*B*
With RS232 adaptor, 25-pin connector (male) to 9-pin connector (female) for PC / notebook	*C*

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