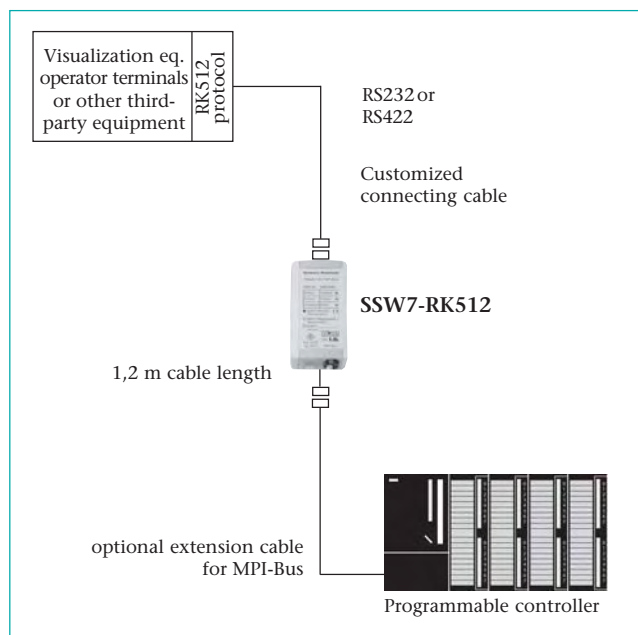## SSW7-RK512, SSW7-HMI, MPI-Adapter with RK512/HMI Protocol

SSW7-RK512

SSW7-HMI

SSW7-RK512

With the SSW7-RK512 you can connect any operator terminals, visualization equipment, or other third-party equipment to the S7 if they support the RK512 protocol without adapting the software.

The SSW7-RK512 transmits data blocks, flags, inputs and outputs.

The MPI settings of the SSW7-RK512 can be changed with a parameterization program or with special RK512 frames in order to connect several SSW7-RK512s or several PLCs to an MPI bus.
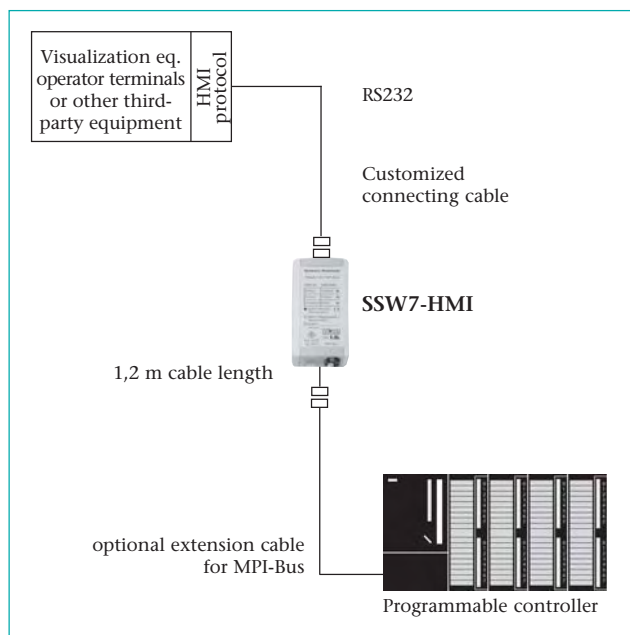
The RS232 interface of the SSW7-RK512 has automatic baudrate detection for adapting itself to the connected device (between 9.6 and 115 Kbaud). The MPI interface operates with 187.5 Kbit/s.

The voltage supply for the SSW7-RK512 is taken from the CPU via the MPI bus. With an optional 24 V connection it can be operated anywhere else in the system.

We supply the SSW7-RK512 with an additional programming interface on the connector including switchable terminating resistor.

Accessory-Note

DIN rail clips, extension cables (see page 50) as well as multiplexers (see page 38ff) are available for the SSW7-RK512 and the SSW7-HMI.

SSW7-HMI

The SSW7-HMI is intended for use with operator terminals, visualization equipment, or other third-party equipment that supports the Siemens HMI protocol.

The baudrate of the adapter is set by the protocol (between 9.6 and 115 Kbaud).

The voltage supply for the SSW7-HMI is taken from the CPU via the MPI bus. With an optional 24 V connection it can be operated anywhere else in the system.

We supply the SSW7-HMI with an additional programming interface on the connector including switchable terminating resistor.

Ordering Data	
	Order-No.
MPI-Adapter **SSW7-RK512** **SSW7-RK512** with RS422 interface	700-751-5VK21 700-752-5VK21
DIN rail adapter short Power Plug (optional)	700-751-HSH01 700-751-SNT01

Ordering Data	
	Order-No.
MPI-Adapter **SSW7-HMI**	700-751-9VK11
DIN rail adapter short Power Plug (optional)	700-751-HSH01 700-751-SNT01

SSW7-RK512, SSW7-HMI, MPI-Adapter with RK512/HMI Protocol

Technical Data			
	SSW7-HMI	**SSW7-RK512**	**SSW7-RK512 with RS422**
Dimensions (LxWxH mm)	105 x 54 x 30	105 x 54 x 30	105 x 54 x 30
Weight	approx. 180g	approx. 180g	approx. 180g
Supply voltage (from AG or current supply)	+24 V ±25 %	+24 V ±25 %	+24 V ±25 %
Current consumption	approx. 70 mA	approx. 70 mA	approx. 70 mA
MPI interface Type	RS485	RS485	RS485
Transmission rate	19.2 or 187.5 Kbit/s	187.5 Kbit/s	187.5 Kbit/s
Cable connector	SUB-D, 9-way with PG interface and terminating resistor	SUB-D, 9-way with PG interface and terminating resistor	SUB-D, 9-way with PG interface and terminating resistor
Communication interface Type	RS232	RS232	RS422
Transmission type	serial asynchronous	serial asynchronous	serial asynchronous
Transmission rate	4.8...115 Kbaud	9.6...115 Kbaud	9.6...115 Kbaud
Parity	odd	even	even
Data format	8 bit	8 bit	8 bit
Protocols	HMI	RK512 with 3964/R	RK512 with 3964/R
Connection	connector, SUB-D, 9-way	connector, SUB-D, 9-way	connector SUB-D, 9-way
Degree of protection	IP 20	IP 20	IP 20