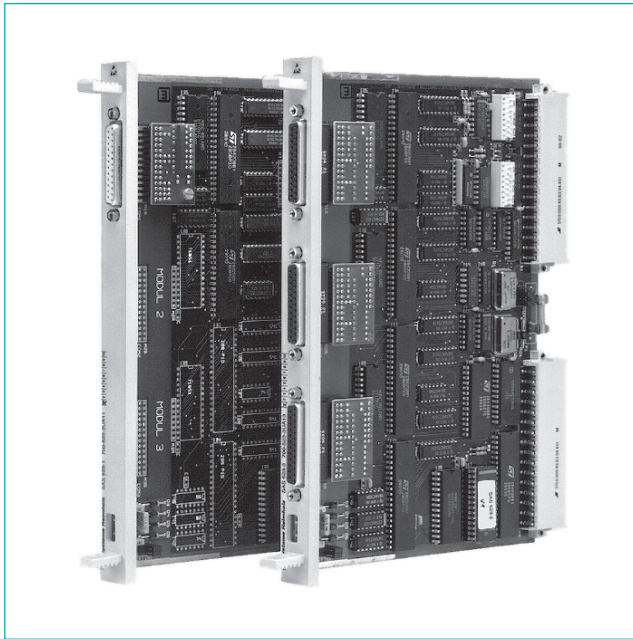


SAS 523/525 Serial Interface Modules



SAS 523 interface module

The SAS 523/525 communication processors from the Systeme Helmholtz GmbH are for linking programmable controllers with other items of equipment with a serial interface.

The SAS 525 not only has an open driver but also the 3964/3964R procedure with RK512 frame structure. You can connect, for example, printers, personal computers, barcode readers, weighing machines, terminals, keyboards, or other process peripherals that have a serial interface, and in the case of the SAS 525, all devices that use the RK512 computer link.

The SAS 523-1/525-1 has one, the SAS 523-2/525-2 two, the SAS 523-3/525-3 three serial interfaces.

The modules can be used in PLCs (without a fan tier) in the central controller or expansion unit, and in the IM slot. A CP slot is not required.

Programming

It is not necessary to program the modules. They are parameterized using DIL switches and data handling blocks for initializing the modules.

Interface

The interface is suitable for transmission of

- 20 mA current-loop signals (TTY)
- RS232
- RS422/485

It is configured by plugging in an interface submodule. The transmission rate can be set separately between 150 bit/s and 38400 bit/s for each channel.

Note : Please also order the appropriate interface submodule for each interface.

SAS 523/525 Serial Interface Modules

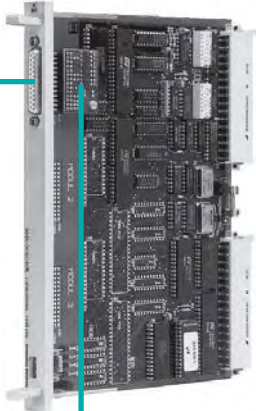
Protocols

SAS 523/525

- Open drivers
- Bus operation
- Break handshake
- SAS Highspeed

SAS 525

- RK512



Interface submodules

- TTY
- RS232
- RS485 non-isolated
- RS485 isolated

Ordering Data	
	Order-No.
Serial interface	
SAS 523-1	700-523-3UA11
SAS 523-2	700-523-3UA12
SAS 523-3	700-523-3UA13
Serial interface	
SAS 525-1	700-525-3UA11
SAS 525-2	700-525-3UA12
SAS 525-3	700-525-3UA13
Interface modules SAS 523/525	
TTY	700-523-1UA11
RS232	700-523-1UA21
RS485 non-isolated	700-523-1UA41
RS485 isolated	700-523-1UA51
Manual SAS 523/525 german/english	900-523-0AA11
Data handling blocks for SAS 523 3 1/2" disk DOS format PLC 115 ... PLC 155	802-523-1AA61
Data handling blocks SAS 525 3 1/2" disk DOS format PLC 115 ... PLC 155	802-525-1AA61

Technical Data	
Supply voltage	+ 5 V ± 5%
Current consumption	
- SAS 523-1/525-1	350 mA
- SAS 523-2/525-2	410 mA
- SAS 523-3/525-3	460 mA
- TTY submodule	10 mA
additionally, if active	40 mA / 24 V
- RS232 submodule	10 mA
- RS422/485 submodule	140 mA
Transmission mode	serial asynchronous
Transmission rate	150 to 38400 bit/s
Parity	even, odd, none
Data format	7 or 8 bits
handshake	RTS, CTS (RS232) break (TTY) bus (RS422/485)
Procedure for SAS 525	3964/3964R
Protocol for SAS 525	RK512
Connector	SUB-D, 25-way
Max. cable length	
TTY	1000 m
RS232	16 m
RS422/485	1200 m (twisted pair)