

S-DIAS Interface Module ISE 021



with 1 RS232 interface with handshake lines
or 2 RS232 interfaces without handshake lines
1 RS485 interface with switchable termination
and spread resistors

The S-DIAS ISE 021 interface module has an RS232 interface with the handshake signals RTS and CTS. Alternatively to the handshake signals, these signals can be configured as a second RS232 interface. The ISE 021 also has an RS485 interface with switchable 120 Ω termination and spread resistors (switchable via software).

The module requires no external +24 V supply.

Performance Data

	Interfaces	1x RS232 (2x RS232, switchable via software) 1x RS485		
	Adjustable data transfer rates	RS232	2400 Baud, 4800 Baud, 9600 Baud, 19200 Baud, 38400 Baud, 57600 Baud, 62500 Baud, 115200 Baud	
		RS485	2400 Baud, 4800 Baud, 9600 Baud, 19200 Baud, 38400 Baud, 57600 Baud, 62500 Baud, 115200 Baud, 230400 Baud, 460800 Baud, 921600 Baud	
	Over voltage protection	RS232	pin Rx/D	±30 V
			pin Tx/D	±15 V
		RS485	pin A/B	-9 V ... +14 V
	Spread resistor	RS485		1 kΩ => 5 V 1 kΩ => GND internally settable
	Terminating resistor			120 Ω internally settable
	Short-circuit proof	yes		
	Status LEDs	yes		
	Send buffer	240 Byte		
	Receive buffer	784 Byte		

Electrical Requirements

Voltage supply from S-DIAS bus	+5 V	
Current consumption on the S-DIAS bus (+5 V supply)	typically 60 mA	maximum 70 mA
Voltage supply from S-DIAS bus	+24 V	
Current consumption on the S-DIAS bus (+24 V supply)	typically 8 mA	maximum 15 mA

Article Number and Miscellaneous

Article number	20-101-021	
Dimensions	12.5 x 104.2 x 72 mm (W x H x D)	
Standard	UL 508 (E247993)	
Approvals	UL, cUL, CE	

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Environmental temperature	0 ... +55 °C	
Humidity	0-95 %, non-condensing	
Operating conditions	pollution degree 2 altitude up to 2000 m	
EMC resistance	in accordance with EN 61000-6-2 (industrial area)	
EMC noise generation	in accordance with EN 61000-6-4 (industrial area)	
Vibration resistance	EN 60068-2-6	3.5 mm from 5-8.4 Hz 1 g from 8.4-150 Hz
Shock resistance	EN 60068-2-27	15 g
Protection type	EN 60529	IP20