

Application

Input module for connection to TROVIS 6610 CPU Module



The input module records the binary input signals of connected sensors. Digital signals to be processed by the CPU module are transmitted over the bus.

The input module has 20 binary inputs.

- Binary inputs optionally as normally closed or normally open contacts, status indicated by LEDs
- Use with internal or external power supply
 - Internal power supply: 18 to 33 V DC
 - External power supply: max. 24 V DC (+15 %)

Interfaces:

- I/O bus (RS-485)

Further properties

- Power supply and I/O bus galvanically isolated from the module
- Inputs can be connected directly to the module's terminals
- Status LEDs indicate module operation or fault

Further details on the installation and start-up of SAMSON's TROVIS 6600 Automation System can be found in the System Integration Guidelines ► AB 6600 EN.



Fig. 1: Input Module TROVIS 6625

Technical data

Power supply	Power supply	24 V AC (20.4 to 27.7 V AC)
	Frequency range	48 to 62 Hz
	Power consumption	8 VA
	Connection	2-pin screw clamp terminal (green) Max. 2.5 mm ² wire cross-section
Temperature range	Operating temperature	0 to 55 °C
	Storage and transportation	-20 to 70 °C
	Humidity rating	Normal, no dew formation
Electromagnetic compatibility	Noise emission	According to EN 61000-6-3
	Noise immunity	According to EN 61000-6-2
Device safety	Class of protection	II according to EN 61140: 2003
	Overvoltage category	II according to EN 60664-1
	Degree of contamination	2 according to EN 60664-1
	Degree of protection	IP 20 according to IEC 60529
Installation	Dimensions including terminals	Width x height x depth: 110 x 130 x 60 (in mm)
	Weight	Approx. 0.5 kg
	Mounting	On rails (all DIN and EN types)
	I/O connections	Screw clamp terminals Max. 2.5 mm ² wire cross-section
20 binary inputs	When used as internally powered binary inputs	
Note: There is no galvanic isolation between inputs!	Power supply to binary inputs	Internally powered/18 to 33 V DC
	LED on the module	LED on when $R_S < 50 \Omega$ LED off when $R_S > 10 \text{ k}\Omega$
	When used as externally powered binary inputs	
	Power supply to binary inputs	Max. 24 V DC (+15 %)
	Input resistance	Approx. 8 k Ω
	LED on the module	LED on when $> 20 \text{ V DC}$ LED off when $< 8 \text{ V DC}$
Indicators	LED status indication	Binary input Module operation and malfunction Communication (Rx/Tx)
Interfaces	Specification	RS-485 · Twp-wire, polarity insensitive
	Galvanic isolation	Yes
	Transmission rate (kBit/s)	9.6, 19.2, 38.4, 57.6, 115.2 (automatic adaptation to Baud rate in CPU module)
	Protocol	SAMSON
	Connection	3-pin screw clamp terminal (green) Max. 2.5 mm ² wire cross-section

Specifications subject to change without notice

