

DATA SHEET



T 6625 EN

TROVIS 6625 Input Module

TROVIS 6600 Automation System



Application

Input module for connection to TROVIS 6611-2 Control and Automation Unit

- Optional components for TROVIS 6600 Automation System

Special features

The input module has 20 binary inputs.

- Binary inputs either as NC or NO contacts, including LED status indication
- 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)
- Supply voltage and I/O bus galvanically isolated from the module
- Inputs can be connected directly to the module's terminals
- Status LEDs for module operation and error indication

Design and principle of operation

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.

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

Installation

To mount the module, first hook the module on the top (1) of the rail and press down (2).

To detach it from the rail, use a screwdriver to lever the latching downwards located underneath the module. The module is detached in this way from the rail.

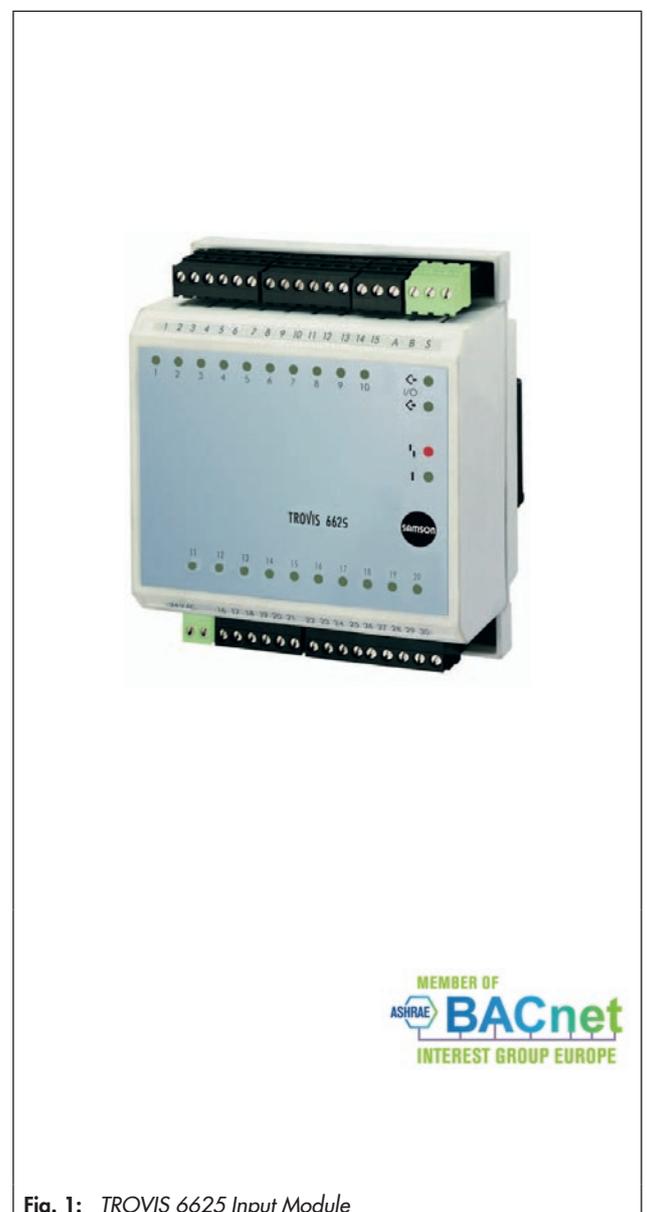


Fig. 1: TROVIS 6625 Input Module



Electrical connection

The electrical connections of the input module are designed as screw terminals. The wire cross-section must not be greater than 2.5 mm².

Terminal assignment of TROVIS 6625 Input Module (see Fig. 2)		
Terminal	Channel	Connections of the input module
1	1	BE01
2		GND
3	2	BE02
4	3	BE03
5		GND
6	4	BE04
7	5	BE05
8		GND
9	6	BE06
10	7	BE07
11		GND
12	8	BE08
13	9	BE09
14		GND
15	10	BE10
A		RX/TX A
B		RX/TX B
S		Shielding
24 V AC	24 V AC, 6 VA	Voltage supply
16	11	BE11
17		GND
18	12	BE12
19	13	BE13
20		GND
21	14	BE14
22	15	BE15
23		GND
24	16	BE16
25	17	BE17
26		GND
27	18	BE18
28	19	BE19
29		GND
30	20	BE20

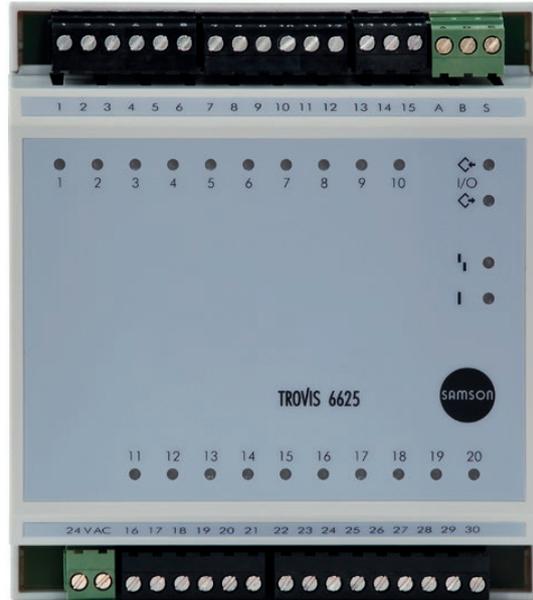


Fig. 2: Electrical connection of the TROVIS 6625 Input Module

Technical data

Supply voltage	24 V AC (20.4 to 27.7 V AC)	
Power line frequency	48 to 62 Hz	
Power consumption	8 VA	
Connection	Two-pin screw clamp terminal (green), wire cross-section $\leq 2.5 \text{ mm}^2$	
Permissible temperature ranges	Transportation and storage	0 to 55 °C
	Operation	-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 EN 60529
20 binary inputs ¹⁾	When used as internally powered binary 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
Indicators	LED status indication	Binary input
		Module operation and malfunction
		Communication (Rx/Tx)
Interfaces	Specification	RS-485 · Two-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	Three-pin screw clamp terminal (green), wire cross-section $\leq 2.5 \text{ mm}^2$
Weight	Approx. 0.5 kg	

¹⁾

i Note

The inputs are not galvanically isolated from each other.

Dimensions

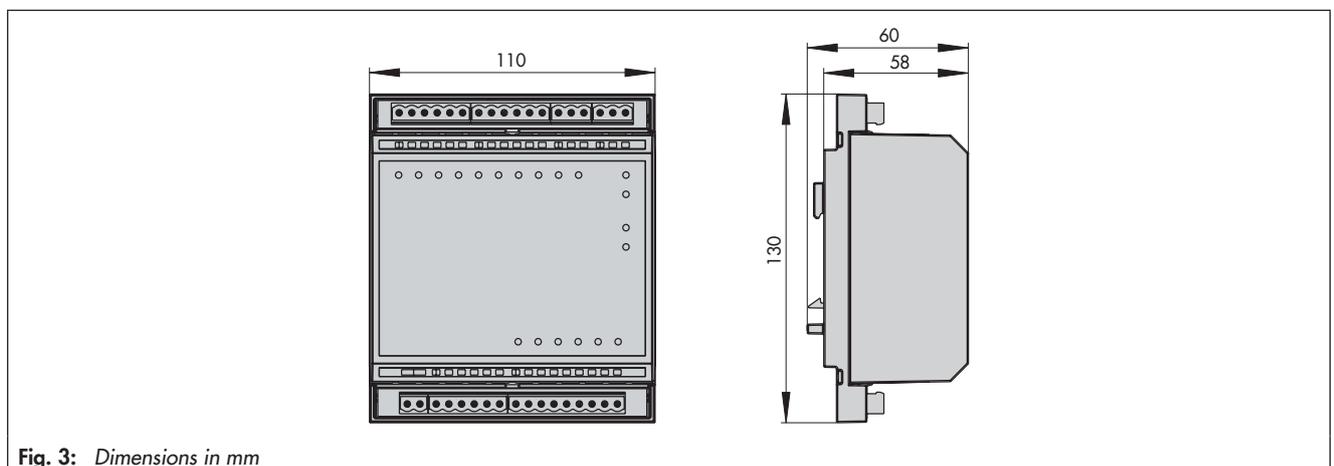


Fig. 3: Dimensions in mm

Disposal



SAMSON is a producer registered at the following European institution ► <https://www.ewrn.org/national-registers/national-registers>.
WEEE reg. no.:
DE 62194439/FR 025665

- Observe local, national and international refuse regulations.
- Do not dispose of components, lubricants and hazardous substances together with your other household waste.

i Note

We can provide you with a recycling passport according to PAS 1049 on request. Simply e-mail us at aftersaleservice@samsongroup.com giving details of your company address.

💡 Tip

On request, we can appoint a service provider to dismantle and recycle the product as part of a distributor take-back scheme.

Ordering text

TROVIS 6625 Input Module

Associated documentation

- Data Sheet **► T 6611-2**
TROVIS 6611-2 Control and Automation Unit
- System Integration Guidelines **► AB 6600**
(Application Notes)