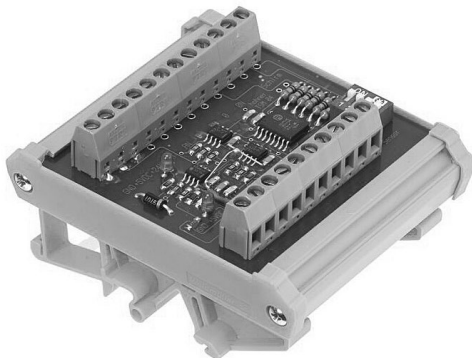


Rail module TSM 04 adapter RS422/485 to 24V push-pull



This interface module is used to convert RS 422/485 incremental encoder signals to 24V push-pull - output - signals.

After the conversion, the signals can then, for example, be transmitted for further processing to a subsequent control with 24V - counting input.

Since the module also serves as a terminal strip for the rotary encoder and the assembly can be carried out on support rails TS 32 or TS 35, an efficient wiring is ensured.

Incremental encoder with max. 6 outputs can be connected to the module.

The presence of the supply voltage is indicated via LEDs.

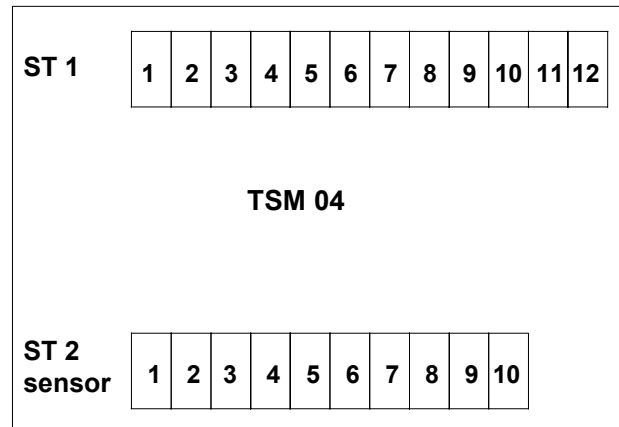
The terminating resistors of the inputs are switchable via DIP switches.

Technical data

dimensions:	L=72mm x B=84mm x H=50mm
protection type:	IP 10
combination locking foot for supporting rail systems:	TS 32 and TS 35
connection technology:	screw terminal
max. connection cross-section:	
solid-core (rigid)	2.5 mm ²
fine-wired (flexible)	1.5 mm ²
fine-wired with core end sleeve	1.5 mm ²
supply voltage:	input 5V DC ± 5% / input 24V DC
input (5V):	RS 422/485
max. output load: (24V DC/push-pull output)	30 mA / channel short-circuit-proof

Technical changes reserved

Rail module TSM 04



Terminal assignment ST 1:

ST 1	Function
Pin	
1	input GND of 5V / 24V DC bridged with pin 1/ST 2 (encoder supply)
2	input + 5V DC bridged with pin 2/ST 2 (encoder supply)
3	input + 24V DC supply voltage for output driver
4	output encoder signals 24V/channel A
5	output encoder signals 24V/channel AN
6	output encoder signals 24V/channel B
7	output encoder signals 24V/channel BN
8	output encoder signals 24V/channel 0
9	output encoder signals 24V/channel 0N
10	nc.
11	output shield bridged with ST 2 shield
12	output shield bridged with ST 2 shield

Terminal assignment ST 2 / sensor connection:

ST 2	Function
Pin	
1	output GND of 5V / 24V DC bridged with pin 1/ST 1 (encoder supply)
2	output + 5V DC bridged with pin 2/ST 1 (encoder supply)
3	input channel A
4	input channel AN
5	input channel B
6	input channel BN
7	input channel 0
8	input channel 0N
9	output shield bridged with ST 1 shield
10	output shield bridged with ST 1 shield