

Rail module TSM 05 signal conversion from 24V A, B, 0, to 24V A, B, 0/AN, BN, 0N



This interface module generates from the 24V signals A, B, 0 of an incremental encoder the 24V push-pull signals A, B, 0/AN, BN, 0N.

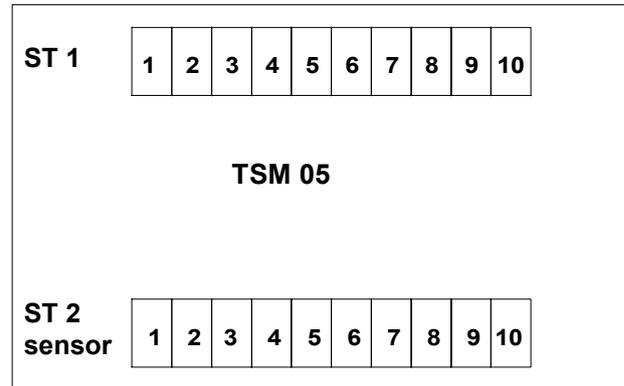
Since the module also serves as a terminal strip for the rotary encoder and the assembly can be carried out on support rails TS 32 or TS 35, an efficient wiring is ensured.

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:	24V DC	
inputs:	24V	
outputs:	24V push-pull output stage / short-circuit-proof	I _{max.} = 30mA / channel

Technical changes reserved

Rail module TSM 05



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	output encoder signals 24V/channel A
4	output encoder signals 24V/channel AN
5	output encoder signals 24V/channel B
6	output encoder signals 24V/channel BN
7	output encoder signals 24V/channel 0
8	output encoder signals 24V/channel 0N
9	output shield bridged with ST 2 shield
10	output shield bridged with ST 2 shield

Terminal assignment ST 2 / sensor connection:

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