

S-DIAS Digital Input Module DI 202



with 16 digital inputs
4 digital inputs with counter function

The S-DIAS DI 202 digital input module is equipped with 20 inputs and a +24 V signal for reading the signal states "0" and "1". To suppress noise in the signal lines, input filters are provided. In addition, digital inputs 1-4 have a counter function.

Digital Input Specifications

Number	20	
Input voltage	typically +24 V	maximum +30 V
Signal level	low: < +5 V	high: > +15 V
Input current	3.7 mA at +24 V	
Input delay	input 1-4: 10 µs input 5-20: 0.5 ms	
Input frequency, inputs 1-4	25 kHz in normal counter mode or in incremental counter mode with 4-edge analysis	
Counter frequency input 1-4	25 kHz in normal counter mode 100 kHz in incremental counter mode with 4-edge analysis	

Electrical Requirements

Voltage supply from S-DIAS bus	+5 V	
Current consumption on the S-DIAS bus (+5 V supply)	typically 40 mA	maximum 45 mA

Article Number and Miscellaneous

Artikel number	20-006-202	
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