

# S-DIAS Digital Input Module EZ 101



with 10 digital inputs

The S-DIAS EZ 101 digital input module is equipped with 10 inputs and a +24 V signal for reading the signal states "0" and "1". To suppress noise in the signal lines, according input filters are provided.

The EZ 101 is used for the implementation of the Euromap interface.

The fed in supply voltage is protected with a self-resettable PTC-fuse (200 mA at 23 °C) available again at the power plug.

## Digital Input Specifications

Number	10	
Input voltage	typically +24 V	maximum +36 V
Signal level	low: < +5 V	high: > +15 V
Input current	6.9 mA at +24 V	
Input delay	typically 5 ms	

## Electrical Requirements

Supply voltage +24 V IN	+18-36 V DC	
+24 V IN current consumption	according to the current consumption of the external circuit of the +24 V output (maximum 200 mA with 23 °C)	
Supply voltage +24 V OUT	+18-36 V DC	
Current drain at +24 V OUT	maximum 200 mA	
Voltage supply from S-DIAS bus	+5 V	
Current consumption on the S-DIAS bus (+5 V supply)	typically 45 mA	maximum 50 mA

## Article Number and Miscellaneous

Artikel number	20-051-101	
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 ... +60 °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