

S-DIAS Digital Output Module

EZ 102



with 10 digital outputs

The S-DIAS EZ 102 digital output module has 10 short-circuit proof, galvanically isolated, digital outputs in 2 groups (+24 V/100 mA). The power supply for each group is monitored for under voltage.

The EZ 102 is used for the implementation of the Euromap interface.

Digital Output Specifications

Number	10
Short-circuit proof	yes
Maximum continuous current load allowed per channel	0,1 A
Maximum total current (entire module)	1 A
Maximum braking energy of outputs (inductive load)	maximum 0,1 Joule/channel
Residual current (off)	≤ 12 µA
Turn-on delay	< 200 µs
Turn-off delay	< 200 µs
Galvanic separation	yes (isolation voltage 300 V)

Electrical Requirements		
+24 V supply voltage/1-2	+18-36 V DC	
Current consumption of voltage supply +24 V/1-2	corresponds to the load on the digital outputs	
Voltage supply from S-DIAS bus	+5 V	
Current consumption on the S-DIAS bus (+5 V supply)	typically 45 mA	maximum 50 mA

Voltage Monitor	
+ 24 V/1-2 supply voltage	supply voltage > 18 V (DC OK-LED lights green)

Article Number and Miscellaneous	
Article number	20-051-102
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