

S-DIAS Digital Output Module TO 081



with 8 short-circuit proof digital outputs

The S-DIAS TO 081 digital output module has eight short-circuit protected outputs in a group (+24 V/0.5 A/short-circuit protected). The power supply for the group is monitored for under voltage.

Digital Output Specifications

Number	8
Short-circuit proof	yes
Maximum continuous current load allowed per channel	0.5 A
Maximum total current (entire module)	4 A (100% of on-time)
Maximum braking energy of outputs (inductive load)	maximum 1 Joule/channel
Residual current (off)	≤ 10 µA
Turn-on delay	< 200 µs
Turn-off delay	< 200 µs

Electrical Requirements

+24 V supply voltage	18-30 V DC
Current consumption of voltage supply +24 V1	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 40 mA maximum 45 mA

Voltage Monitor

+24 V supply voltage	supply voltage > 18 V (DC OK-LED lights green)
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Article Number and Miscellaneous

Article number	20-007-081
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