

S-DIAS PROFINET I/O Slave IPN 021-1



with 1 Profinet I/O IN
1 Profinet I/O OUT

The S-DIAS Profinet I/O slave module IPN 021-1 slave module is an interface module between the S-DIAS control system and PROFINET bus.

Brandlabeling of this module is possible.

Performance Data

Bus Controller	Profinet I/O (acc. Profinet I/O Specification V2.4)	
Configuration	2x shielded Tyco Mini I/O port	
Cable length	maximum of 100 m between two stations (segment length)	
Minimum cyclic time	1 ms	
Maximum input data per cycle	1440	
Maximum output data per cycle	1440	
Data transfer rate	100 Mbits/s Full duplex auto negotiation auto crossover	
Diagnosis	module status	per status LED and SW status
	bus function	per status LED and SW status
Supported conformity classes	Class A Class B	
Media redundancy support	yes, the module can be used as a client in a Profinet MRP ring, but there must be at least one other client with redundancy manager (RM, MRM) functionality in the ring	
Status LEDs	yes	

Electrical Requirements

Voltage supply from S-DIAS bus	+24 V	
Current consumption on the S-DIAS bus (+24 V power supply)	typically	maximum
	125 mA at +18 V	140 mA at +18 V
	95 mA at +24 V	110 mA at +24 V
	75 mA at +30 V	95 mA at +30 V

Article Number and Miscellaneous

Article number	20-103-021-1
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	EN 61000-6-2 (industrial area)	
EMC noise generation	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