

S-DIAS Power Supply Module

PS 101



with 1 CAN
1 USB Host

The S-DIAS PS 101 power supply module is a supply unit for a CPU component and the S-DIAS IO modules. The module also has a CAN and USB host interface, which only function when used with a CPU module such as the CP 111. Additionally, the module is equipped with an exchangeable lithium battery to power a real-time clock and zero-voltage proof RAM in the CPU module.

Performance Data

Interfaces	1x USB host 2.0 (high speed 480 Mbit/s) 1x CAN
Status display	no
Status LEDs	yes

Electrical Requirements

Module Supply (Input)

Supply voltage	+18-30 V DC, typically +24 V DC UL: Class 2 or LVLC
Current consumption of voltage supply (+24 V)	maximum 2.75 A

S-DIAS Bus Supply (Output)

Voltage supply on the S-DIAS bus	+5 V
Current consumption on the S-DIAS bus (+5 V supply)	maximum 1.6 A
Voltage supply on the S-DIAS bus	+24 V
Current consumption on the S-DIAS bus (+24 V supply)	maximum 1.6 A

Article Number and Miscellaneous

Article number	20-003-101
Dimensions	12,5 x 104,2 x 72 mm (W x H x D)
Standard	UL 508 (E247993)
Approbations	UL, cUL, CE

Environmental Conditions

Storage temperature	-20 ... +85 °C	
Operating temperature	0 ... +55 °C	
Humidity	0-95 %, non-condensing	
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 Hz-8.4 Hz 1 g from 8.4 Hz-150 Hz
Shock resistance	EN 60068-2-27	15 g
Protection type	EN 60529	IP20