S-DIAS Pulse Width Module
PW 022

with 2 PWM outputs

The S-DIAS PW 022 pulse width module has two +24 V switching PWM outputs with an adjustable frequency for controlling inductive loads (magnetic valve, proportional valve, ...). The 2 PWM outputs are powered through a supply connection.
The supply voltage is monitored for under voltage.

PWM Output Specifications

Number	2
Configuration	+24 V-switching
Short-circuit proof	yes
Maximum output current/channel	1.5 A to 45 °C 1 A to 55 °C
PWM frequency	adjustable as period in 0.5 µs increments between 30.5 Hz and 20 kHz
PWM pulse width	adjustable via software in 0.5 µs increments

Electrical Requirements

PWM output supply voltage	+18-30 V DC	
Current consumption of PWM output supply	corresponds to the load on PWM outputs	
Voltage supply from S-DIAS bus	+5 V	
Current consumption on the S-DIAS bus (+5 V power supply)	typically 50 mA	maximum 65 mA

Voltage Monitor

PWM supply voltage	supply voltage > 18 V (corresponding DC OK LED lights)

Article Number and Miscellaneous

Article number	20-030-022
Hardware version	12,5 x 104,2 x 72 mm (B x H x T)
Standard	UL 508 (E247993)
Approvals	CE, $_{c}$UL$_{us}$

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	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