MDR B2

FLXMOD

DC motor driver module

Description

FLXMOD™ system DC motors driver module. This unit, designed for mounting on a standard DIN rail and housed in a compact plastic case, is able to drive two DC-brush motors; speed and position control are possible whenever the motors are equipped with single or twin Hall sensors. Proprietary FLXIO™ bus ensure reliable real-time communication with the CPU.
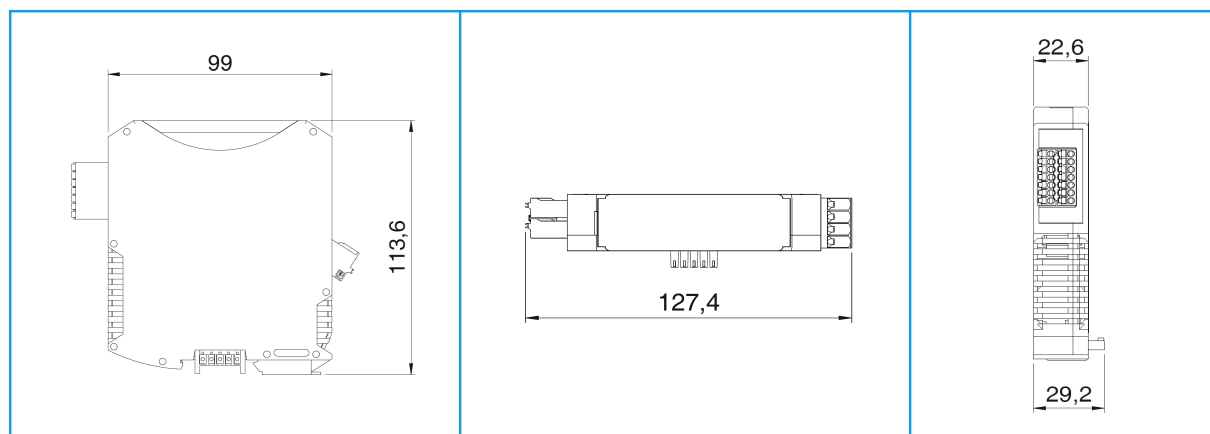
Technical data

Housing material	Polypropylene
Degree of protection	IP20
Motor outputs	2, for DC brush motors (24V$_{DC}$)
Outputs characteristics	MOSFET H-bridge, PWM controlled 4 A each @ 312Hz, 8 A max @ 45°C total
Overcurrent and overload protection	Programmable
Feedback inputs	For single or twin Hall sensor, open-collector type. The inputs are 24V tolerant
Feedback sensors power supply	5V ± 10%, 100mA max.
Interface	Proprietary FLXIO™
Bus address setting	By rotary switch
Electrical specifications	Power supplies: I/O supply: 24V$_{DC}$ / 8A max. Logic supply: 24V$_{DC}$ and 5V$_{DC}$ from backplane
Environmental specifications	Operating temperature: from +5°C to +45°C Storage temperature: from -25°C to +85°C Relative humidity: from 10% to 95% (non condensing
Certifications	CE, cULus

Dimensions

Data here mentioned are subject to changes without any notice.

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