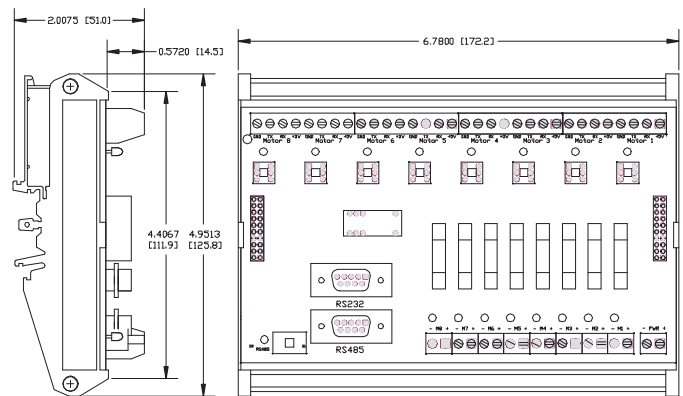
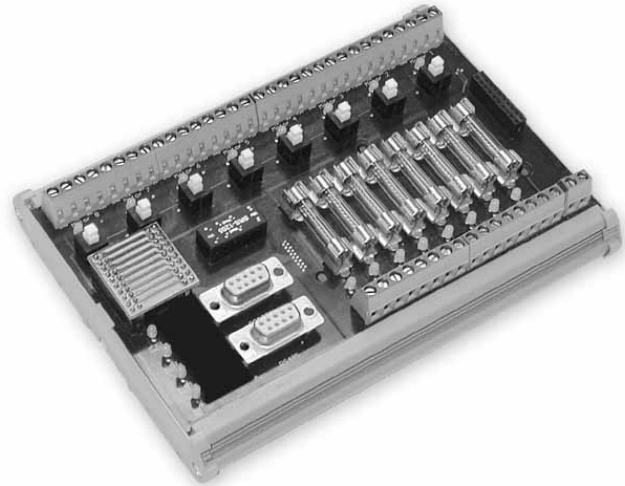


The DIN-RS232 is a DIN Rail Mount breakout for the OEM and Legend Series RS232 communications. It allows a single Master to communicate with up to eight Animatics SmartMotors over RS232 without the loss of bandwidth typical of daisy chain propagation. Since this operation is nearly identical to the operation of an RS485 bus, the DIN-RS232 can also accommodate an RS485 master.

The DIN-RS232 master communications circuitry can take its power from any industry standard 24V power supply. The eight communications links to each of the Animatics SmartMotor™ breakouts are electrically isolated from the master, and are individually powered by its associated SmartMotor. This isolation can be critical to reliable systems where there may be ground bounce in the power runs between the motors.

The DIN-RS232 is able to transmit simultaneously to eight SmartMotors because all of the links are in parallel. This means that the eight transmit and receive lines are functionally tied together. For this reason, the user must treat the eight SmartMotors on this unit as if they were on a parallel communications bus, like RS485. While the user can transmit to all SmartMotors on the bus simultaneously, care must be taken to assure that no two SmartMotors reply at the same time. The DIN-RS232 also has a fused power bus to allow the convenient connection of SmartMotors to a central power input.



* All sizes are given in inches, sizes in brackets are in mm

Features

Benefits

Eight RS-232e communications port	Isolated interface to eight SmartMotors without daisy chain propagation delay penalty.
Power bus	Fused interconnection to up to eight SmartMotors.
Expansion bus	Allows interface to other DIN rail adapters for expanded capability.
Selectable Master	Choose RS232 or RS485 to be the communications Master

Electrical

Power bus line voltage:	19V to 48VDC
Isolated communications bus power:	4.5V to 5.5V, 35 mA

Mechanical

Dimensions:	see above figure
Weight:	15 oz (425 g)