ACCESSORIES

RIM SSW

NorthStar™ brand

RIM SSW Signal Switcher

Key Features

- Eliminates Need for Two PLCs or Input Devices
- Accepts A, B, and Z Inputs from Two Separate Encoders
- May Switch Two Encoders of Different Resolutions for Coarse and Fine Position Control
- Can Select Spare Encoder that Acts as Backup of First
- Input Voltage Range from 4 to 26 VDC
- Can Be Used With Any Incremental Encoder

SPECIFICATIONS

STANDARD OPERATING CHARACTERISTICS

Input Signal: 2 or 3 channel quadrature signal, square wave (open collector, differential, or single ended line driver)

ELECTRICAL

Input Signal Voltage: 4 - 26 VDC
Input Signal Current: 2.2 mA minimum, 3.5 mA typical
Input Signal Impedance: Optically isolated, 1 k Ohm at 4V, 6.8 k Ohms at 24V typical. Current limited.
Operating Frequency Range: 0 - 100 kHz
Output Signal: Differential driven square wave, signal level approximately equivalent to input supply voltage.
Error Output Signal: Sinking normally open, closes on error. 5V, 20 mA maximum load
Supply Voltage: 5 - 26 VDC
Current Consumption: Less than 150 mA at 100 kHz and 26 VDC typical with no output driver load
Output Current: 150 mA (maximum)
Power Up Time: Less than 10 ms
Encoder Switching Time: Less than 8 µs
Connector Wire Gauge: 26 -16 AWG
Electrical Protection: Reverse polarity protected
Output Protection: Under voltage, short circuit, and thermally protected
Fail Safe Feature: Fail safe mode connects device's ENCODER 1 INPUT directly to device's OUTPUT terminals

MECHANICAL

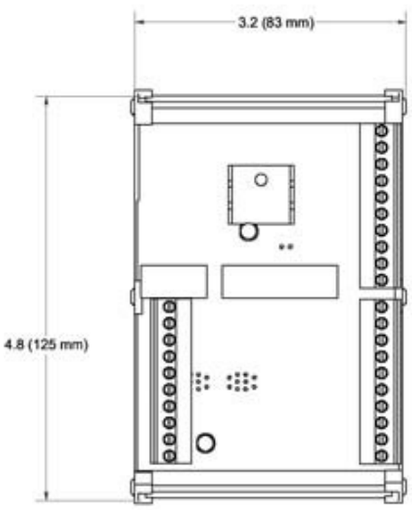
Enclosure Material: PVC
Side Element Material: Polyamide PA non-reinforced
Mounting Options: DIN 35 or 32

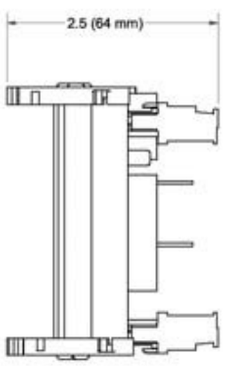
ENVIRONMENTAL

Operating Temperature: 0°C to 50°C
Storage Temperature: -20°C to 70°C
Operational Humidity: 98% non-condensing

*Specifications subject to change without notice

DIMENSIONS inches [mm]





ORDERING INFORMATION

Part Number: RIMSSW

Notes

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