

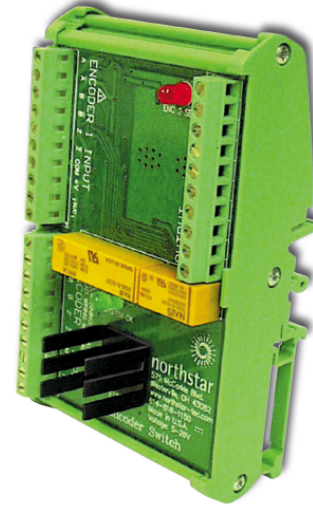
RIM SSW

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



SPECIFICATIONS

STANDARD OPERATING CHARACTERISTICS

Input Signal: 2 or 3 channel quadrature signal, sine or 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 μ s

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

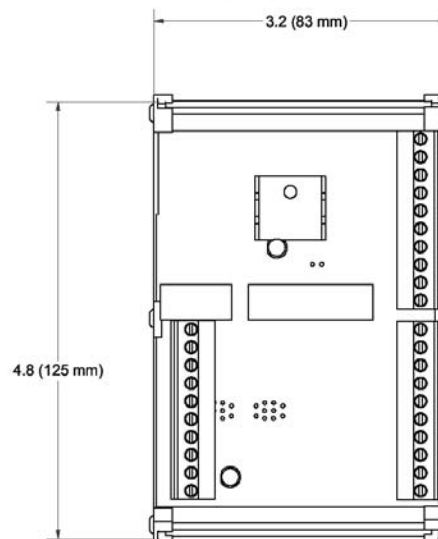
MECHANICAL

Enclosure Material: PVC

Side Element Material: Polyamide PA non-reinforced

Mounting Options: DIN 35 or 32

DIMENSIONS inches [mm]



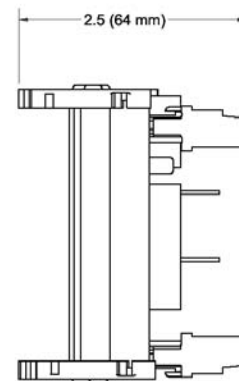
ENVIRONMENTAL

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



ORDERING INFORMATION

Part Number: RIMSSW



Worldwide Brands: *NorthStar™ • Acuro™ • Dynapar™ • Hengstler™ • Harowe™*
Headquarters: 1675 Delany Road • Gurnee, IL 60031-1282 • USA • Phone: 1.847.662.2666 • Fax: 1.847.662.6633

Satellite Locations:

- **North America:** North Carolina, South Carolina, Connecticut, Massachusetts, New York, Canada, British Virgin Islands
- **West Indies:** St. Kitts • **Europe:** United Kingdom, Italy, France, Germany, Spain, Slovakia
- **South America:** Brazil • **Asia:** China, Japan, Korea, Singapore

Customer Service:

Tel.: +1.800.873.8731
Fax: +1.847.662.4150
custserv@dynapar.com