

# RIM SS2

**NorthStar™ brand**

## RIM SS2 Signal Splitter

### Key Features

- Eliminates the Expense and Maintenance of Two Separate Encoders
- Optically Isolated Outputs can be Sent to a Motor Drive and a Display at the Same Time
- Compatible with Virtually Every Incremental Digital Encoder
- Combats Long Distance and Electrical Interference Problems



## 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 Impedance:** Optically isolated, 1 kOhm at 4V, 6.8 kOhms at 24V typical. Current limited.

**Frequency Range:** 0 - 120 kHz

**Output Signal:** Two independent, isolated line driver output sets (A/A, B/B)

**Supply Voltage:** 5 - 26 VDC

**Output Current:** 150 mA (maximum per channel)

**Wire Gauge Accepted:** 26 - 16 AWG

**Output Protection:** ESD to MIL-STD-883 and short circuit protected

### MECHANICAL

**Enclosure Material:** PVC

**Mounting:** DIN Rail EN 50022, (35mm x 7.5mm)

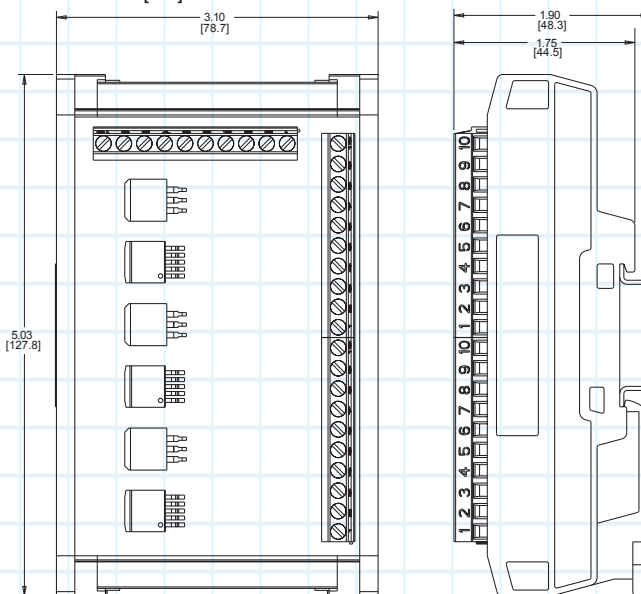
### ENVIRONMENTAL

**Operating Temperature:** 0°C to 50°C

**Storage Temperature:** -20°C to 70°C

**Operational Humidity:** 98% non-condensing

### DIMENSIONS



### ORDERING INFORMATION

**Part Number: RIM SS2**



Headquarters: 1675 Delany Road • Gurnee, IL 60031-1282 • USA

### Customer Service:

Tel.: +1.800.873.8731

Fax: +1.847.662.4150

custserv@dynapar.com

### Technical Support

Tel.: +1.800.234.8731

Fax: +1.847.662.4150

dynapar.techsupport@dynapar.com

### European Sales Representative

Hengstler GmbH  
Uhländstrasse 49, 78554 Aldingen  
Germany  
www.hengstler.com