SVV / SVM SINE COSINE CONVERTER

The SVV/SVM Sine-Cosine converters takes the quadrature, differential, output signals from a suitably matched DSG-EV/EM or DMG-EV/EM encoder and converts these signals to analogue Sine and Cosine levels.
The SVV module provides 1V p-p and the SVM module provides 11uA p-p standards.

SPECIFICATIONS

Electrical

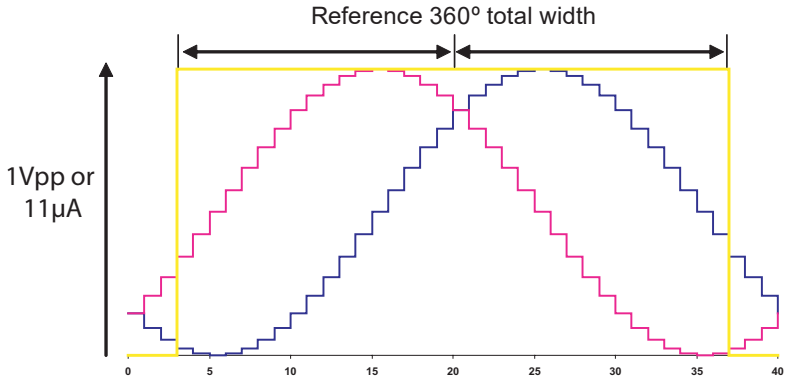
Supply from Controller	5V ±-5%
Encoder Input	9 pin D type conenctor (Newall pin-out specification)
Output to Controller	Differential analogue signals
Module output Connector	9 way D type connector
Typical current consumption (No encoder)	110mA (VCC = 5.0V)
Typical current consumption: (With SpherosynTM/MicrosynTM Digital)	190mA
Maximum input quadrature rates	12MHz
SVV converter part number	600-83640
SVM converter part number	600-83650

CONNECTIONS

Pin 1	Do not connect
Pin 2	Channel A
Pin 3	Channel /A
Pin 4	Channel B
Pin 5	Channel /B
Pin 6	OV
Pin 7	5V
Pin 8	Channel RM
Pin 9	Channel /RM

The connector shell should be tied to the encoder screen.

ANALOGUE OUTPUT SIGNALS



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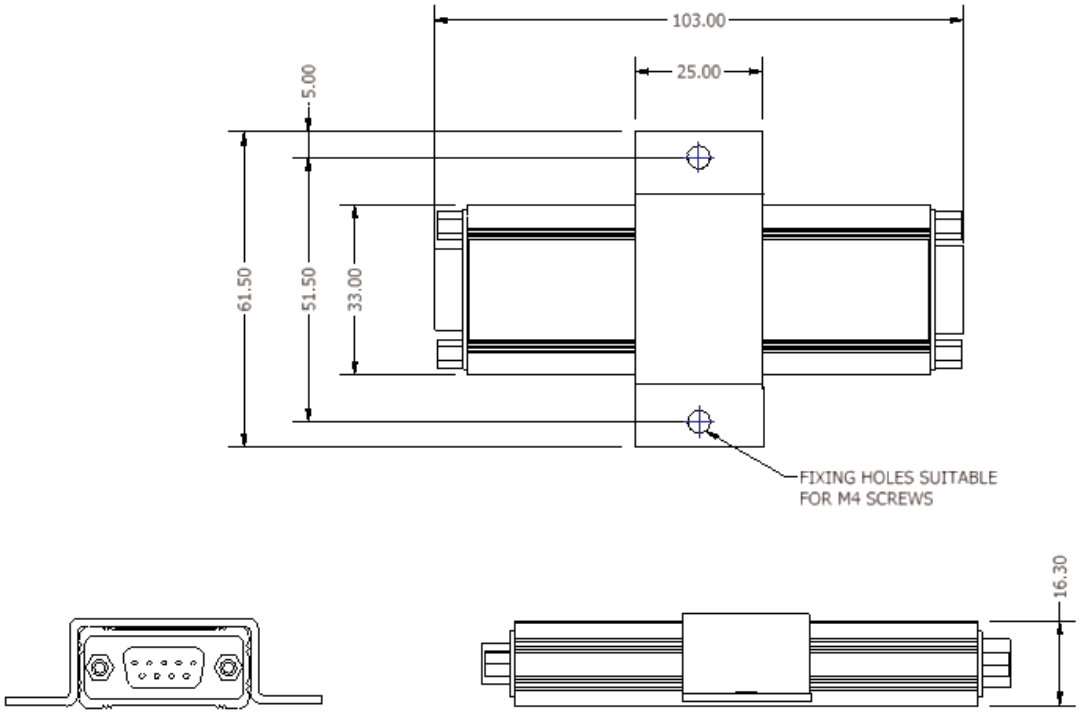
DIMENSIONS

Ensure the unit is located clear of any coolants or sources of contamination. The unit should be firmly mounted using the mounting points and screws provided.



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Mailing Address: Sensata Technologies, Inc., 529 Pleasant Street, Attleboro, MA 02703, USA

CONTACT US

Americas
Newall Electronics Inc.
1803 OBrien Rd
Columbus, OH 43228
Tel: +1 614 771 0213
sales@newall.com
newall.com

Rest of World:
Newall Measurement Systems, Ltd.
Business Park, Unit 1 Wharf Way
Glen Parva, Leicester LE2 9UT
United Kingdom
Tel: +44 (0) 116 264 2730
sales@newall.co.uk
newall.co.uk

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