



## SPT ENCODER INTERFACE MODULES



This power management interface module enables a 5V SHG-TT/TS or MHG-TT linear encoder to operate from a 5-28V supply. Output levels remain at TTL 5V quadrature levels.

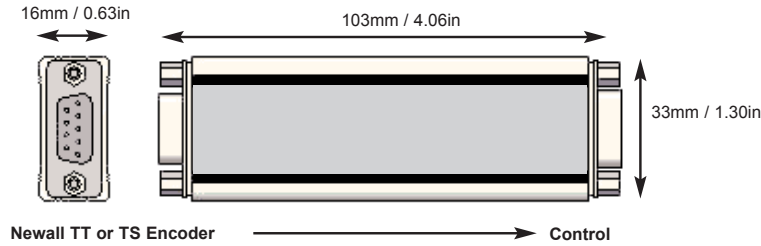
### SPECIFICATIONS

<b>Model</b>	<b>SPT (Part No. 600-83580)</b>	5-28Vin, 5V TTL out (Line driver 26C31)
<b>Power requirements</b>	<b>Voltage</b>	5V to 28V $\pm$ 5%
	<b>Output Power</b>	1.5W max (<150mA at 5V)
<b>Output signals</b>	<b>Differential quadrature signals</b>	A, B, A-, B-
	<b>Phase angle A to B</b>	90°
	<b>Frequency range</b>	0-2MHz, equivalent to 2ms <sup>-1</sup> with 1 $\mu$ m resolution
<b>Reference mark Signal</b>	<b>Differential Reference RM, RM-</b>	As per Encoder
	<b>Periodic or Single Point</b>	
<b>Enclosure</b>	<b>Material</b>	Aluminium extrusion
	<b>Sealing</b>	IP54
<b>Temperature</b>	<b>Operation</b>	0 to 55°C
	<b>Storage</b>	-20 to 85°C

### CONNECTIONS

9D Connector Pin No.	Module (female) RS422	Module (male) Vout = Vin or Open Collector
1	N/C	N/C
2	A	A
3	/A	/A
4	B	B
5	/B	/B
6	0V	0V
7	5V supply out 5	5-28V supply in
8	RM	RM
9	/RM	/RM
Shell	Gnd	Gnd

## DIMENSIONS



## INSTALLATION

The module is to be situated between the encoder and the control system and connected as per the above pin-out. Care must be taken to ensure the location of the module is such that it is not exposed to environmental conditions beyond its IP rating. Ensure that the connection locking is secure.



ANSI/ESD S8.1-2001

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