



SPV & SPC ENCODER INTERFACE MODULES



SPV 5 to 28V HTL compatible

This interface provides output levels equivalent to the supply voltage to the unit within the range 5-28Vdc.

SPC 5 to 28V Open Collector

This interface requires an external pull-up resistor. The pull-up voltage can be different to the supply voltage.

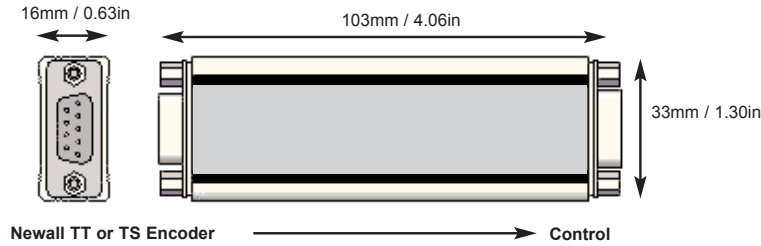
SPECIFICATIONS

| | | |
|------------------------------|--|--|
| Model | SPV (Part No. 600-83490) SPC (Part No. 600-83500) | Vout = Vin (Line driver ET7272) Open Collector (Line driver ET7273) |
| Power requirements | Voltage | 5V to 30V ± 5% |
| | Current with encoder | 200mA max |
| Output signals | Differential quadrature signals | A, B, A-, B- |
| | Phase angle A to B | 90° |
| | Frequency range | 0-2MHz, equivalent to 2ms ⁻¹ with 1µm resolution |
| Reference mark Signal | Differential Reference RM, RM- | As per Encoder |
| | Periodic or Single Point | |
| Enclosure | Material | Aluminium extrusion |
| | Sealing | IP54 |
| Temperature | Operation | 0 to 70°C |
| | Storage | -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 | 5-28V |
| 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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