



Interface type SV211

SinCos signal splitter with 4 SinCos outputs

Product Features:

- Encoder inputs SIN+, SIN-, COS+, COS-, REF+, REF- with 1 Vpp format
- Four Sine-Cosine outputs with the same signal format
- Suitable for input frequencies up to 500 kHz
- 5 V auxiliary output for encoder supply
- 17 to 30 VDC power supply (potential separated)

Technical Specifications:		
Power supply:	Input voltage: Protection: Ripple: Consumption: Connections:	17 ... 30 VDC, galvanically isolated reverse polarity protection ≤ 10 % at 24 VDC approx. 70 mA (unloaded) screw terminal, 1.5 mm ² / AWG 16
Encoder supply:	Output voltage: Output current: Connections:	5.2 VDC (or according to external input voltage) max. 150 mA screw terminal, 1.5 mm ² / AWG 16
SinCos inputs:	Amplitude: Offset: Channels: Frequency: Terminating resistors: Connections:	min. 0.8 Vpp ... max.1.2 Vpp approx. 2 ... 3 V SIN+, SIN-, COS+, COS-, REF+, REF- max. 500 kHz 120 Ohm (already integrated in the unit) SUB-D connector (male), 9-pin
SinCos outputs:	Number of outputs: Amplitude: Offset: Channels: Terminating resistors: Connections:	4 min. 0.8 Vpp ... max.1.2 Vpp approx. 2.5 V SIN+, SIN-, COS+, COS-, REF+, REF- 120 Ohm (must be equipped with the target device) SUB-D connector (female), 9-pin
Housing:	Material: Mounting: Dimensions (w x h x d): Protection class: Weight:	plastic 35 mm top hat rail (according to EN 60715) 22.5 x 102 x 102 mm / 0.886 x 4.016 x 4.016 inch IP20 approx. 100 g
Ambient temperature:	Operation: Storage:	0 °C ... +45 °C / +32 ... +113 °F (not condensing) -25 °C ... +70 °C / -13 ... +158 °F (not condensing)
Failure rate:	MTBF in years:	94.2 a (long-term usage at 60 °C / 140 °F)
Conformity and standards:	EMC 2014/30/EU: RoHS (II) 2011/65/EU RoHS (III) 2015/863:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 61326-1 EN IEC 63000