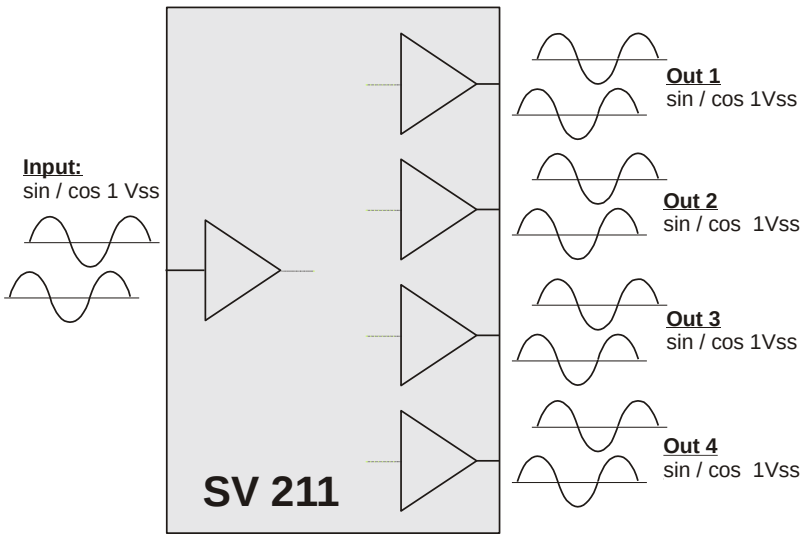
Data Sheet





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:	17 … 30 VDC, galvanically isolated
	Protection:	reverse polarity protection
	Ripple:	≤ 10 % at 24 VDC
	Consumption:	approx. 70 mA (unloaded)
	Connections:	screw terminal, 1.5 mm² / AWG 16
Encoder supply:	Output voltage:	5.2 VDC (or according to external input voltage)
	Output current:	max. 150 mA
	Connections:	screw terminal, 1.5 mm² / AWG 16
SinCos inputs:	Amplitude:	min. 0.8 Vpp … max.1.2 Vpp
	Offset:	approx. 2 … 3 V
	Channels:	SIN+, SIN-, COS+, COS-, REF+, REF-
	Frequency:	max. 500 kHz
	Terminating resistors:	120 Ohm (already integrated in the unit)
	Connections:	SUB-D connector (male), 9-pin
SinCos outputs:	Number of outputs:	4
	Amplitude:	min. 0.8 Vpp … max.1.2 Vpp
	Offset:	approx. 2.5 V
	Channels:	SIN+, SIN-, COS+, COS-, REF+, REF-
	Terminating resistors:	120 Ohm (must be equipped with the target device)
	Connections:	SUB-D connector (female), 9-pin
Housing:	Material:	plastic
	Mounting:	35 mm top hat rail (according to EN 60715)
	Dimensions (w x h x d):	22.5 x 102 x 102 mm / 0.886 x 4.016 x 4.016 inch
	Protection class:	IP20
	Weight:	approx. 100 g
Ambient temperature:	Operation:	0 °C … +45 °C / +32 … +113 °F (not condensing)
	Storage:	-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 2004/108/EC:	EN 61000-6-2, EN 61000-6-3, EN 61000-6-4
	Guideline 2011/65/EU:	RoHS-conform