



Scancon 2SUN

CE

Introduction

This encoder is especially designed for use on outdoor solar cells, solar parabols and other solar energy systems.

To avoid corrosion nearby the ocean or other harsh environments the encoder housing and the encoder cap are made of ocean grade aluminium anodized with maximum possible surface treatment of 22 microns.

The shaft is of stainless, and the cable gland of nikkel plated brass.

MECHANICAL S	PECIFICATIONS				
Material	Housing - ocean grade aluminum anodized to 22 microns Shaft - Coarse Stainless Bearings - Lifetime lubricated ball bearings				
Shaft Loads	axial maximum = 20N radial maximum = 20N				
Max. rev.	9,000 rev./min.				
IP-rating	Standard IP 67				
Starting Torque	< 0,005 Nm at 25° C				
Mass Moment of Inertia	0,8 g/cm ²				
Shock	maximum 100G / 11 ms				
Bump	10G - 16 ms (1000 X 3 axis)				
Vibration	(10-2000Hz)/ 10G				

ELECTRICAL SPECIFICATIONS					
Output Waveform	Incremental (A, A-, B, B-, Z, Z-)				
Output Signals	Standard Inverted Differential Line driver OL 7272 RS-422A compatible @ 5 Volt				
Current No Load	35 mA				
Maximum Load per Output	20 mA*				
Supply Voltage	minimum 4.5 V to maximum 30 V (Reverse polarity protection)				
$V_{\mbox{\tiny out}}$ low	maximum 500 mV @ I = 10 mA				
V_{out} high	minimum (Vin -0.6) @ I = -10 mA minimum (Vin -1.3) @ I = -25 mA				









Warranty

Scancon A/S warrants against manufacturing defects for a period of 24 months from the date of manufacture.Product dimensions, weights and all product illustrations are approximate and may be modified without prior notice.

This warranty does not cover problems or consequences due to common usage (wear and tear) for which the product was designed. Nor does it cover product failures caused by improper installation or use, overloading, incorrect maintenance, or operation outside the product's specifications.

Detailed warranty information can be found in Scancon's Terms & Conditions



ORDERING CODES

Ordering Codes System Incremental Shaft Encoder — 2SUN									
(Ordering Codes: 2SUN	xxxx _	- x -	_ xxxx _	- XX	_ xx -	_ X		
Pulses pr. rev:	No. of pulses 4 60 256 10 75 300 11 90 360 12 100 400 15 125 500 25 150 600 30 180 1000 36 200 1250 50 250 2048	XXXX 2500 3000 3600 5000 7500							
Output signal:	Normal, Standard, A, B, Z (3 channels)		Ν						
	Differential: A, B, Z and A-inv, B-inv, Z-inv (6 channels)		D						
	Line driver OL 7272 for extra long cable, up to 100 meters (Differential)		М						
	Line driver chip 26C31 (V out low <0,4 V) (RS-422A compatible @ 5\ Only 5 Volt (Differential)	/)	L						
Shaft dimensions:	Ø6×9 mm (Flat and Shaft)			06×9					
IP-rating:	IP 67				67				
Round Cable Length of cable:	Standard 1 meter No. of meters					01 XX			
Round Cable take out:	Side Back						S B		