



Scancon SCH68B CE

Introduction

Heavy Duty. Hollow Through shaft encoder.Back mounting. Strong compact electronics. Based on 2 precision ball bearings, for harsh industrial environments.

MECHANICAL	SPECIFICATIONS				
Weight	400 g (exclude cable)				
Material	Housing - Aluminum Shaft - CuZn39Pb3 (Brass) Bearings - Gcr15				
H Shaft Loads	axial maximum = 100 N radial maximum = 100 N				
Max. rev.	IP65~3000 rpm / IP67~1500 rpm				
IP-rating	Standard IP65. Option IP66 or IP67				
Starting Torque	< 0,05 Nm IP 65 / < 0,1 Nm IP 67				
Mass Moment of Inertia	50 gcm ²				
Shock	maximum 100G / 11 ms				
Bump	10G - 16 ms (1000 X 3 axis)				
Vibration	(10-2000Hz)/ 10G				

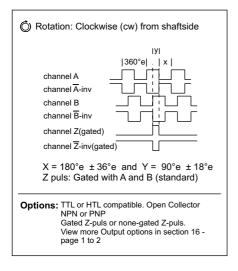
ELECTRICAL	SPECIFICATIONS				
Output Waveform	Incremental (A, B, Z and inverted)				
Output Signals	Normal (Standard), Inverted, Differential (RS-422A compatible @ 5V)				
Current No Load	Max.45 mA				
Maximum Load per Output	30 mA (Short circuit protected)*				
Supply Voltage	Min. 4,5V to Max. 30V* Reverse polarity protection				
V _{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				
Operating Temp.	- 40°C to +85°C				
Storage Temp.	- 40°C to +85°C				

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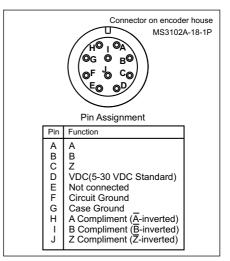
Incremental Heavy Duty Encoder



OUTPUT WAVEFORM



CONNECTOR CONNECTIONS



CABLE CONNECTIONS

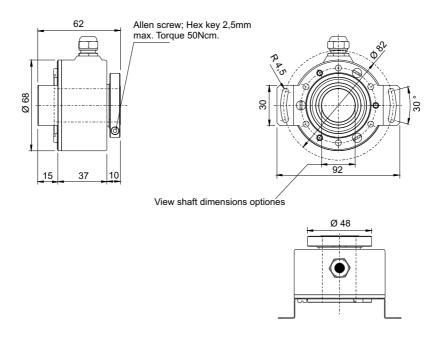
Color code	Standard		
Pink	Ch. A		
Grey*	Ch. A Gnd		
Green	Ch. B		
Yellow*	Ch. B Gnd		
White	Ch. Z		
Brown*	Ch. Z Gnd		
Red	Vcc		
Blue*	Gnd		

Color code	Differential		
Pink	Ch. A		
Grey	Ch. A inv		
Green	Ch. B		
Yellow	Ch. B inv		
White	Ch. Z		
Brown	Ch. Z inv		
Red	Vcc		
Blue	Gnd		

^{*}Blue, grey, yellow and brown are internal connected



MECHANICAL DIMENSIONS

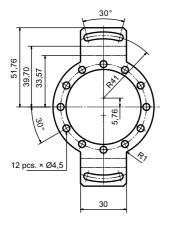


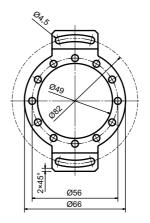
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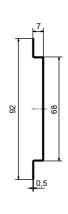
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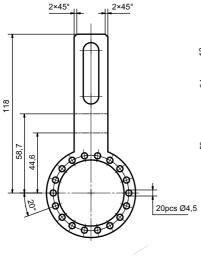


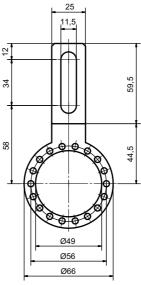
MOUNTING SPRING















ORDERING CODES

Ordering Codes System Incremental Heavy Duty Encoder — SCH68B

Ordering Codes: SCH68B XXXX - X - XX - XX - XX - X

Pulses pr. rev:	No. of pulses	XXXX							
	400 2048 3072 1024 2500 3600 Other pulses are under o								
Output signal:	Normal (TP-Standard) 3 channel = A, B, Z		N						
	TP-Differential, 6 channel A, B, Z and A-inv, B-inv, Z-inv		D						
	Line driver OL 7272 for extra long cable, up to 100 meters (Differential)		М						
	Line driver chip 260 (V out low < 0,4 V) (RS-422A compatib Only 5 Volt (Differen	ole @ 5V)	L						
Hollow Through Shaft dimensions: Tolerance G7. Other dimensions are under construction	1 inch (Ø25,4 mm) Ø 20 Ø 25			1X 20 25					
IP-rating:	IP 65 IP 66 IP 67				65 66 67				
Cable Length:	Standard 1 meter No. of meters					01 XX			
Cable take out:	Side (Radial)						S		
Anti rotation Spring coupling:	View Section xx page	ge x to x							
Connector: (Coninvers on standard black	Coninvers Connect View Section 14 pa								
Connector: (MIL-connector)	MIL- connector View CONNECTOR	R CONNECT	TIONS						
More accessories Anti rotation spring and adaptors: View section 12 page 1 to 8									

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Incremental Heavy Duty Encoder



WARRANTY

Scancon A/S warrants against manufacturing defects for a period of 12 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