



2MC-EX-H





Introduction

Hollow Shaft Encoder , Micro
High IP-Rating IP 64 Standard (option: IP 67)
Power supply 5V ± 10%
Strong compact electronics
Based on 2 precision ballbearings for industrial environments

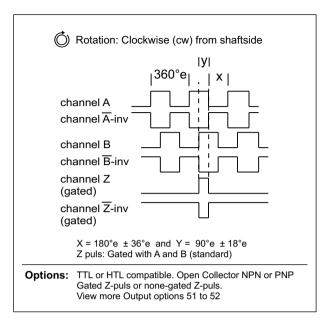
MECHANICAL SPECIFICATIONS				
Weight, excl. Cable	About 80g			
Materials	Housing - Brass / Aluminum Shaft - Brass Bearings - Lifetime lubricated ball-bearings			
HShaft dimensions	Ø2, Ø3, 1/8" (Ø3,175)			
HShaft Loads	axial maximum = 10 N radial maximum = 10 N			
Max speed	12,000 rev./min.			
IP-rating	IP 64, IP 67			
Start Torque	< 0,001 Nm at 25° C			
Mass Moment of Inertia	0,2 gcm ²			
Shock	maximum 100G / 11 ms			
Bump	10G - 16 ms (1000 × 3 axis)			
Vibration	(10-2000Hz)/ 10G			

ELECTRICAL SPECIFICATIONS					
Output Waveform	Incremental (A, B)				
Output Signals	Differential (RS-422A compatible)				
Current No Load	35 mA				
Max. Load pr. Output	20 mA				
Supply Voltage	5V ± 10%				
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.	- 20°C to +70°C (at 5000ppr -20°C to + 50°C only)				
Storage Temp.	- 20°C to +85°C				

Ex-Proof Incremental Shaft Encoder



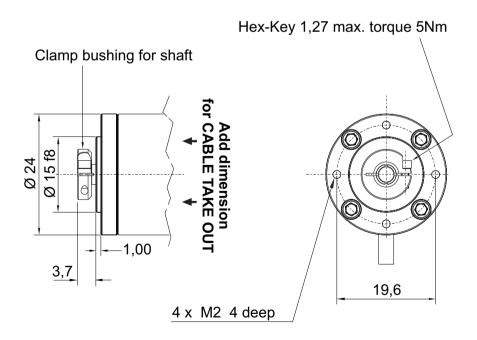
OUTPUT WAVEFORM



CONNECTIONS

8 leads cable Color code **Differential** Pink Ch A Ch A inv Grey Green Ch B Yellow Ch B inv Ch Z White Brown Ch Z inv Red Vcc Blue 0-Volt

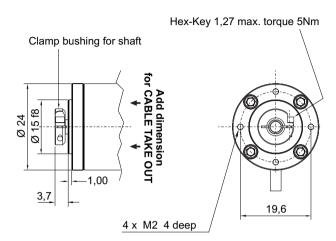
MECHANICAL DIMENSIONS



FACE MOUNT

Option

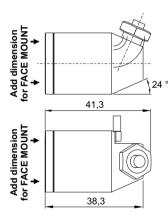
Face mount: A Hollow Shaft: Ø2 x 15 mm deep Ø3 x 15 mm deep 1/8" x 15 mm deep

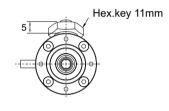


CABLE TAKE OUT

Cable Take out 24°: V

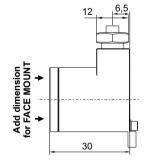


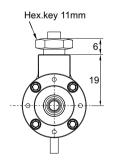




Cable Take out Side: S

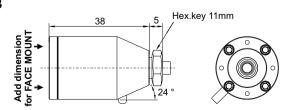






Cable Take out Back: B







ORDERING CODES

Ordering Codes System Ex-Proof Incremental Shaft Encoder — 2MC-EX-H

Ordering	Codes: 2MC-EX-H XX	xxx —	xxx	— xxxxx -	– XX –	- XX -	– X -	– X
Pulses pr. rev:	100 300 500 2000 36 125 360 1024 2500 Special: 1520 PPR / 19 Z-puls							
Output signal:	5000ppr -20°C to + 5 Standard Differential Inverted Normal OC NPN	50°C only	00N 00D 00I NON					
Shaft dimensions:	Ø2 × 15 mm Ø3 × 15 mm Ø1/8"(Ø3,175) × 15 mm			02 03 1/8				
IP-rating:	IP 64 Standard IP 67				64 67			
Cable Length:	Standard 1 meter No. of meters					01 XX		
Cable take out:	Side Back 24° deg.						S B V	
Face Mount:	Face A							A

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