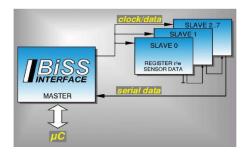


| CHO5 BISS ABSOLUTE SINGLE TURN ENCODERS

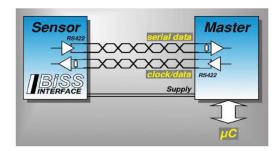


Features

- Robustness and excellent resistance to shocks / vibrations
- High protection level IP65
- High resolutions, up to 16 bits (Gray or binary)
- Universal power supply from 5 to 30 Vdc
- High performances in temperature -20°C to 90°C (option -40°C to 100°C)
- Standard DIRECTION entry, RESET option
- Digital or sine incremental outputs option
- Bi-directional
- Synchronous-serial communication
- Short cycle times
- Up to 8 slaves with one master
- Multicycle data transmission



The BiSS Interface master—slave concept supports up to 8 data sources in one or more devices.



BiSS Interface wiring with unidirectional lines (one sensor with several slave levels, for example).





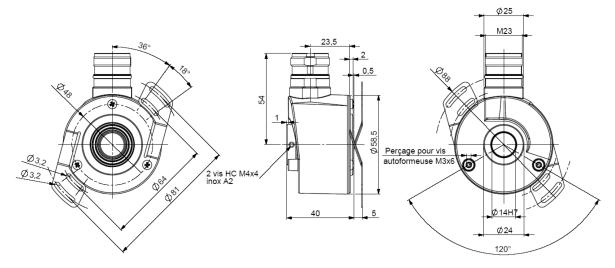
Material	Cover: Zinc Alloy Body: Aluminum Shaft: Stainless Steel				
Bearings	6803 series				
Maximal Loads	Axial: 20 N Radial: 50 N				
Shaft Inertia	$\leq 2.2.10^{-6} \text{ kg.m}^2$				
Torque	≤ 6.10 ⁻³ N.m				
Permissable Max. Speed	9,000 min ⁻¹				
Continuous Max. Speed	6,000 min ⁻¹				
Shaft Seal	Viton				
Shocks (EN60068-2-27)	≤ 500 m.s ⁻² (during 6 ms)				
Vibrations (EN60068-2-6)	≤ 100 m.s ⁻² (10 2,000 Hz)				
ЕМС	EN 61000-6-4, EN 61000-6-2				
Isolation	1,000 Veff				
Weight (Connector)	0,270 kg				
Operating Temperature	- 20 90°C (encoder T°)				
Storage Temperature	- 40 + 100°C				
Protection (EN 60529)	IP 65				
Torque (Ring Pressure Screw)	0,7 0,9 N.m				
Theoretical mechanical lifetime 10 ⁹ turns (F _{axial} / F _{radial})					
10 N / 25 N	230				
25 N / 50 N	29				

Electrical Data

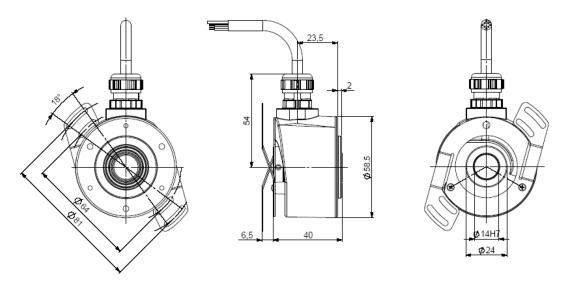
Power Supply Vcc	5 to 30Vdc (polarity protected)				
Consumption Without Load	Max 100mA				
Introduction	<1 s				
Inputs	DIRECTION and RESET option				
Outputs	Level high \geq 2,5V (for l=20mA) Load high \leq -20mA BiSS: RS-422 Level low \leq 0,5Vdc (for l=20mA) Load low \leq 20mA				



CHO5_14 connection C6R (radial M23), with DAC 9445/015 mounted on the body



CHO5_14 connection C5R (radial cable), with DAC 9445/015 mounted on the cover



BISS STANDARD CONNECTION

Туре	Vcc	0V	Clk+	Data+	Data-	Clk-	Direction
C 6	1	2	3	4	6	7	9
C 5	BN - Brown	WH - White	GN - Green	GY - Grey	PK - Pink	YE - Yellow	RD - Red
C8	8	1	3	2	10	11	5

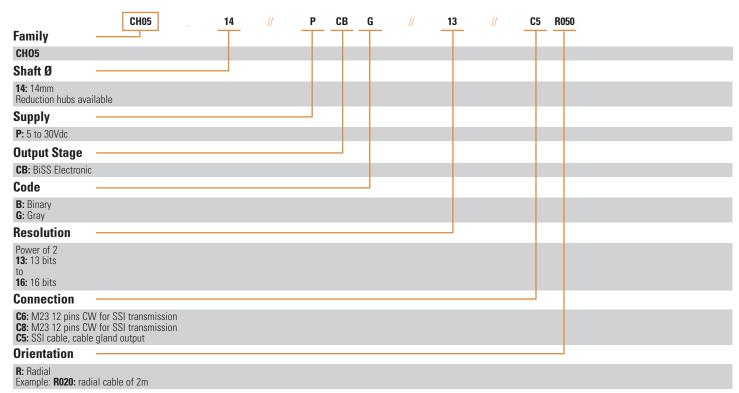
Direction

- of the code coherence
- of the LED internal regulated current loop
- of temperature range with 2 limits



Example: CHO5 14//PCBG//13//C5R050

Contact the factory for special versions, ex: special flanges, electronics, connections...



Monitoring function available in option:

- of the code coherence
- of the LED internal regulated current loop
- of temperature range with 2 limits

Input / output available in option:

- RESET input
- ERROR output for monitoring functions
- Sine & Cosine outputs without index, 2048ppr (option: 4096 ppr)
- A & B incremental outputs without index, 2048ppr (option : 4096 ppr)



AGENCY APPROVALS & CERTIFICATIONS



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