

Incremental Encoder RCI 58 GHM5

GENERAL CHARACTERISTICS

- Designed for industrial environment
- Standard international flanges
- 58 mm housing diameter
- Indestructible encoder disc
- Surface Mounted Devices electronic circuit, short circuits protected



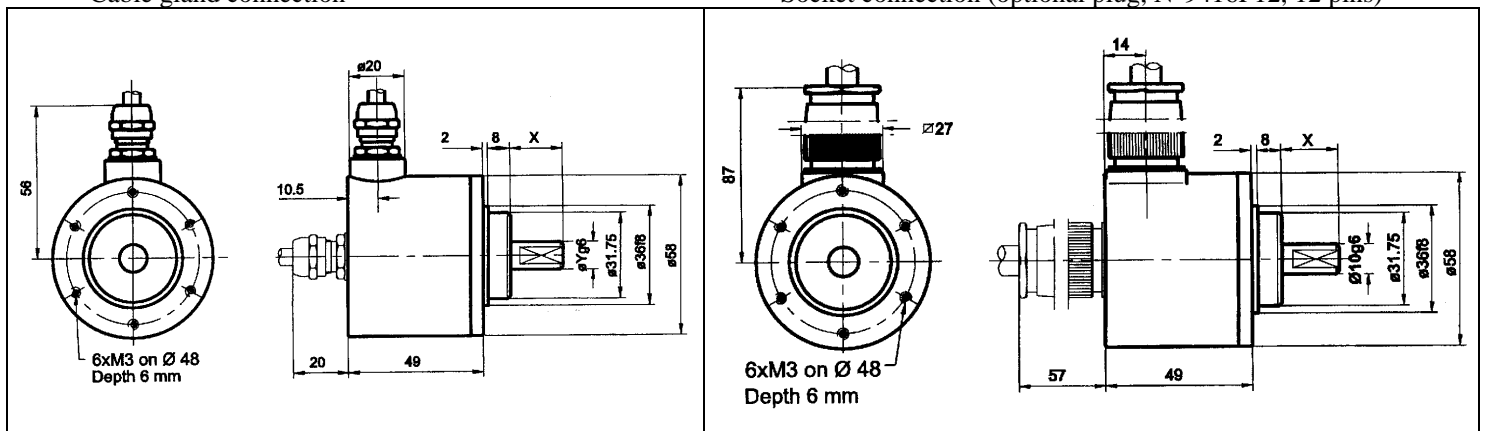
MECANICAL CHARACTERISTICS

Max. shaft speed	6000 rpm
Bearings	6900 ZZ C2
Stainless steel shaft diameter	Ø : 6 – 8 – 10 mm (g6)
Weight	310 g
Mass moment of inertia	12 gcm ²
Shaft loads	Axial 100 N Radial 100 N
Isolation voltage	2000 Veff
Shock resistance max.	30 g (4 ms)
Vibration resistance	10 g / (10 - 500 Hz)
Protection degree	IP 65 cable outlet

DIMENSIONS

Cable gland connection

Socket connection (optional plug, N°9416F12, 12 pins)



Shaft diameter Y (mm)	Corresponding length X (mm)
6	10
8 - 10	19

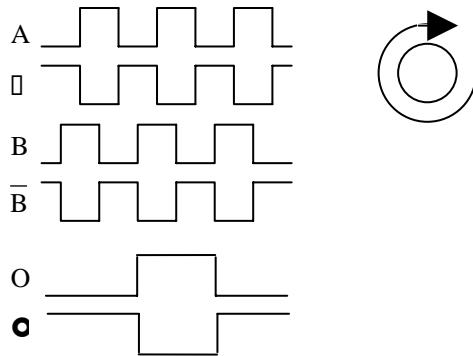
For more details on optional flanges available please refer to our accessories sheet

ELECTRICAL CHARACTERISTICS

Output circuits /	Driver RS422 /	Driver push-pull /
Output voltage range	5V	11-30V
Input voltage range	4,5 – 5,5V	11-30V
Max. ripple	200 mV	500 mV
Max. output current	20 mA	20 mA
Max. current consumption (no load)	100 mA	
Max. pulse frequency (f_{max})	100 kHz (200 – 300 kHz on request)	
Max. operating rev./min.	$n = (f_{max} * 60) / ppr$	
Quadrature phasing	90° +/- 25%	
Symmetry	180° +/- 10%	
Pulses per revolution	From 1 to 2500, up to 6000 on request	
Operating temperature	- 20°C .. + 75°C	
Storage temperature	- 30°C .. + 85°C	

OUTPUT SIGNALS

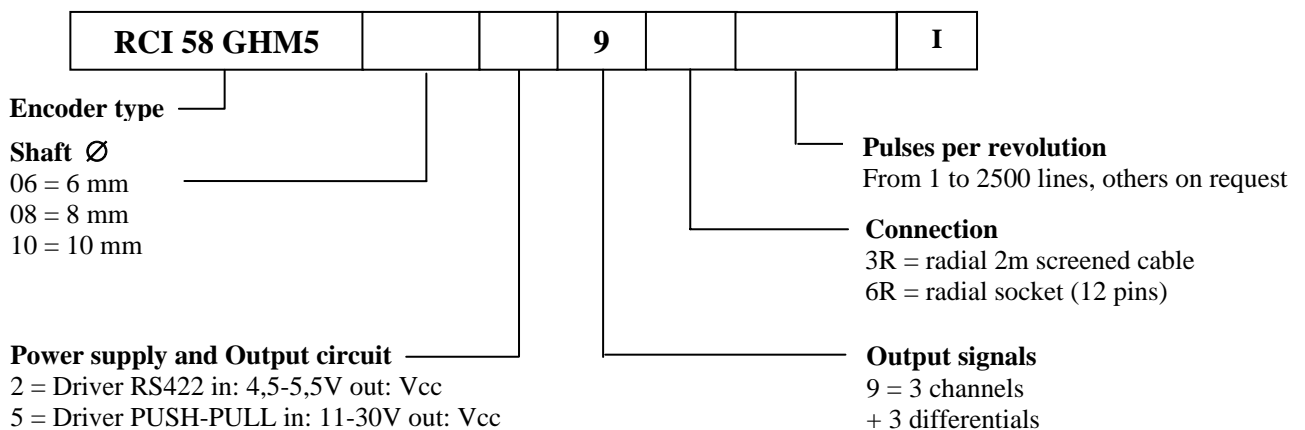
Clockwise, as seen from shaft side



CONNECTION

	Socket: pin number	Cable: wire colour
0V	1	White
+ Vcc	2	Brown
A	3	Green
B	4	Yellow
O	5	Grey
\bar{B}	6	Pink
\bar{B}	7	Blue
\bullet	8	Red

ORDERING CODE



Options

Plug (ref. 9416F12, 12 pins)
 Flanges

We reserve the right to modify the technical data in the interest of technical progress