

Series 25

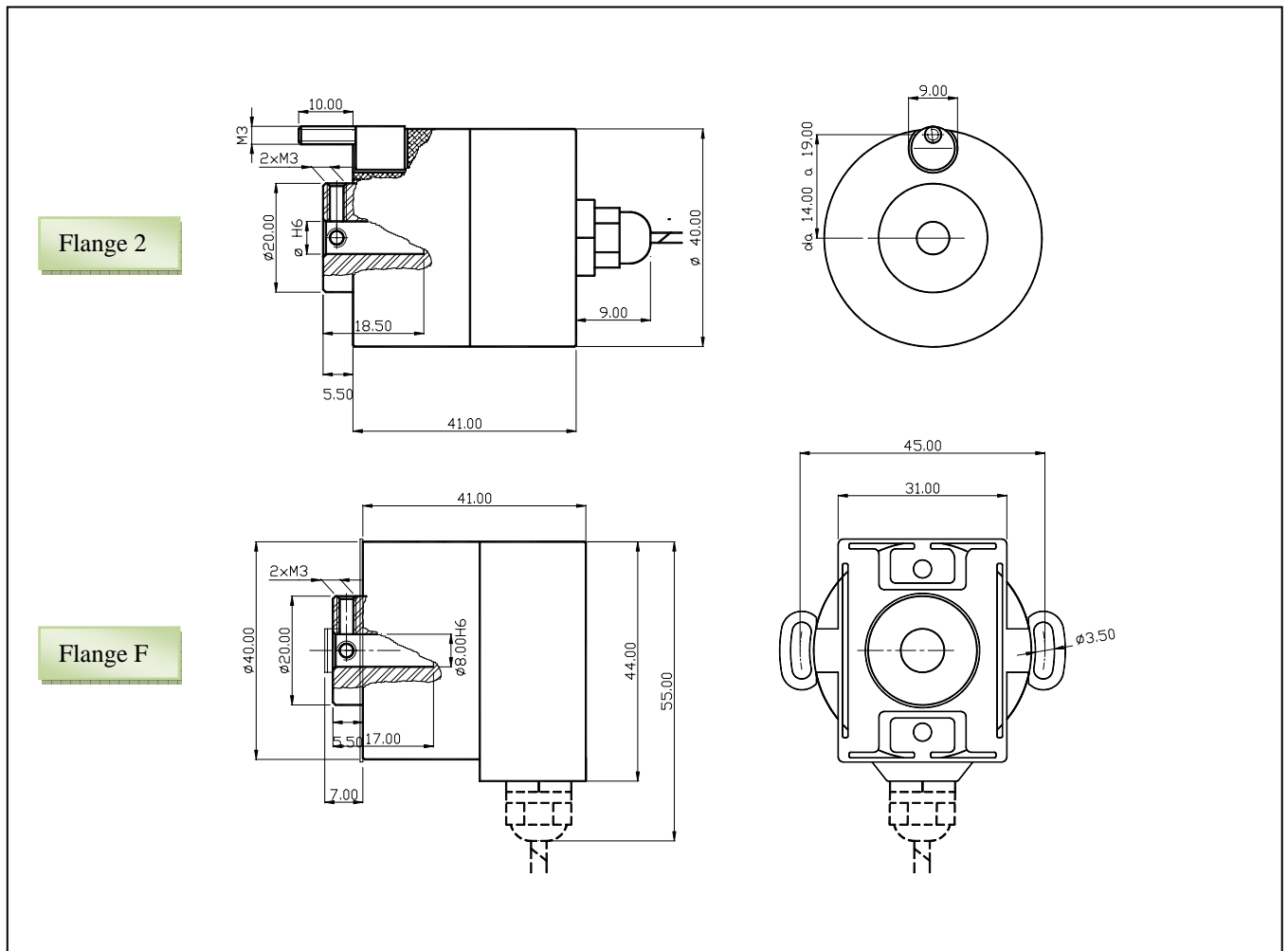
Very compact incremental semi-hollow shaft encoder



Mechanics Data

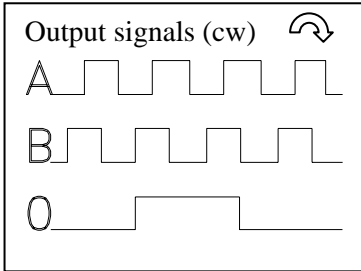
Cover:	ABS
Body:	Aluminium
Semi-hollow shaft:	Stainless still
Bearings:	2, ballraces
Weight:	Approx.130gr.
Protection:	IP55
Rpm:	6000 Max
Torque:	3Ncm
Inertia:	10gcm ²
Shaft loading:	Axial 30N - Radial 30N (max. value)

Dimensions in mm.



Series 25

Electronics Data



Power supply: from 5 to 24V depends on the electronics circuit
 Current consumption 40/80mA depends on the electronics circuit
 Permissible load: 20mA
 Frequency: 100KHz
 Protections: Against short circuit, reversal polarity
 Operating Temp.: -10/+60°C

Ordering code

Series **2 5** - *** * * * *** . ****** / **Pulses** (Max 3600)

Flange

2 = See previous page
 F = page

Special Option

On request

Output

Shaft

9 = Ø 5mm
 5 = Ø 6mm
 8 = Ø 7mm
 2 = Ø 8mm
 On request
 0 = Ø 10mm

Clamping-ring version

A = Ø 6mm
 B = Ø 8mm

7 0	= AB	NPN	5..24V
0 0	= AB0	NPN	5..24V
7 A	= AB	Open C.	5..24V
0 A	= AB0	Open C.	5..24V
2 B	= AB+ \overline{AB}	Push P	8..24V
1 B	= AB0+AB0	Push P	8..24V
6 0	= AB+ \overline{AB}	Line D	5V
8 0	= AB0+AB0	Line D	5V
8 Z	= AB0+ $\overline{AB0}$	Line D	5V (0 Synchr.180°)
8 W	= AB0+ $\overline{AB0}$	Line D	5V (0 Synchr.90°)
K W	= AB0+AB0	Line D	In 11/24V/ Out 5V (0 Synchr.90°) MAX 1024 Pulses
E 0	= AB+ \overline{AB}	LD/PP	5..28V
F 0	= AB0+ $\overline{AB0}$	LD/PP	5..28V
F Z	= AB0+ $\overline{AB0}$	LD/PP	5..28V (0 Synchr.180°)
F W	= AB0+ $\overline{AB0}$	LD/PP	5..28V (0 Synchr. 90°)

Connections

0 = Cable 5P Axial
 2 = Cable 8P Axial
 1 = 9415 9P Axial
 7 = 9415 9P Radial
 3 = 9414 5P Axial
 R = Cable 5P Radial
 8 = Cable 8P Radial

Version E0,F0, FZ e FW: outputs level TTL compatible · Low level output <0.5V · High level output > +VCC-1,9V

Connections

	0 Volt	+ Volt	A	B	\overline{A}	\overline{B}	0	$\overline{0}$
Cable 5 Way	White	Brown	Green	Yellow			Gray	
Cable 8 Way	Black	Blue	Brown	Beige	Green	Yellow	Pink	Violet
Connector 9415	Pin1	Pin2	Pin3	Pin4	Pin5	Pin6	Pin7	Pin8
Connector 9414	Pin1	Pin2	Pin3	Pin4			Pin5	