

Series 24

Very compact incremental shaft encoder, light weight

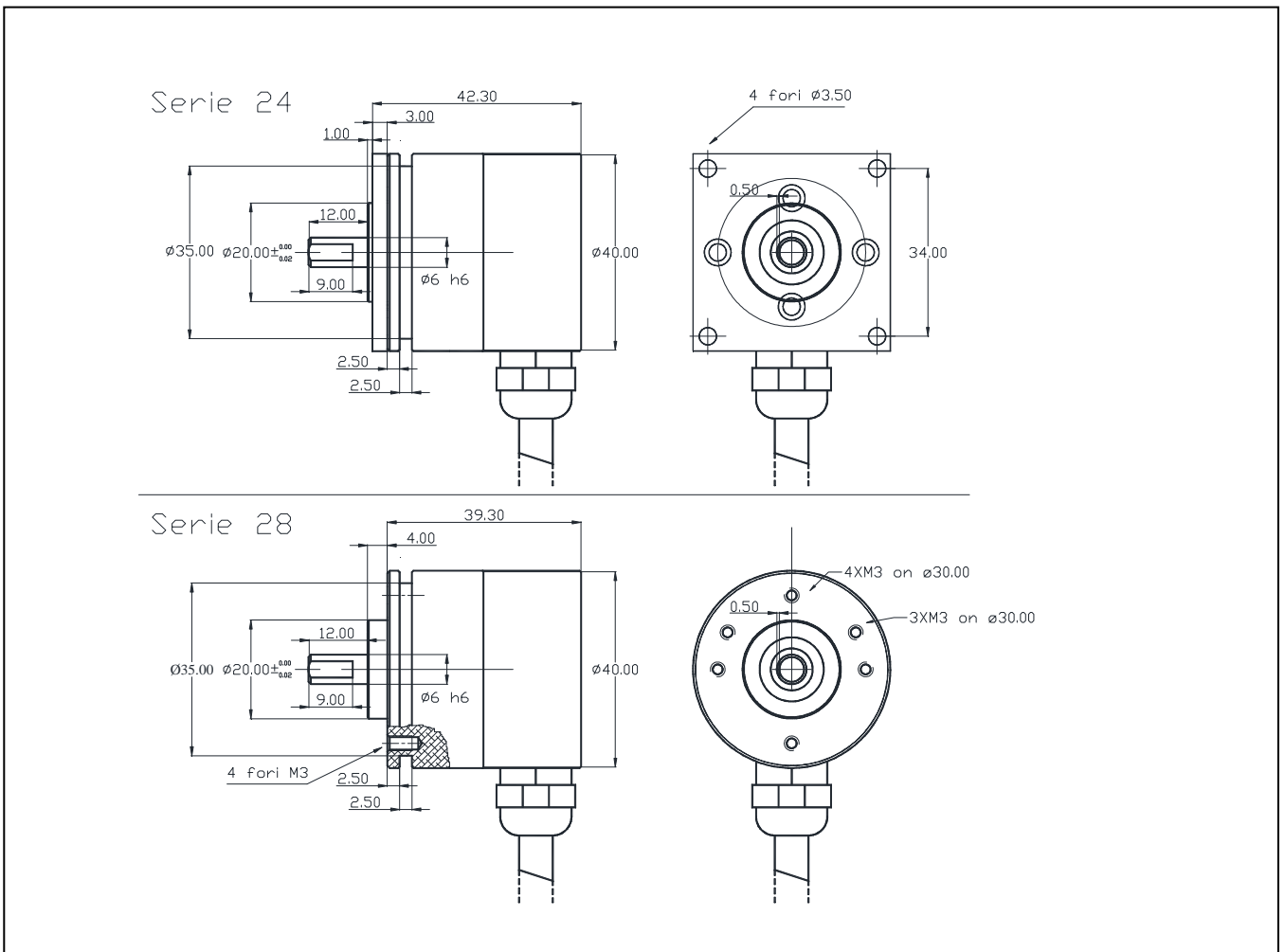
Series 28

Mechanics Data

Body and cover:	Abs nichel-plated
Shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx.130gr.
Protection:	IP65
Rpm:	6000 Max
Torque:	3Ncm
Inertia:	5cm ²
Shaft loading:	Axial 30N - Radial 30N (max. value)

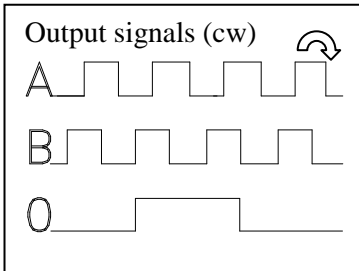


Dimensions in mm



Series 24
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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: 160KHz
 Zero pulses: Frequency channel A and B (max 50KHz)
 Protections: Against short circuit, reversal polarity
 Operating Temp.: -20/+60°C

Ordering code

Series	2	4	-	2	4	*	*	*	.	**	/	Pulse (Max 5000)
	2	8	-	2	8	*	*	*	.	**	/	Pulse (Max 5000)

Outputs

7 0	= AB	NPN	5..24V	Max 1024 pulses	
0 0	= AB0	NPN	5..24V		
7 A	= AB	Open C.	5..24V		
0 A	= AB0	Open C.	5..24V		
2 B	= AB+AB	PP	8..24V		
1 B	= AB0+ $\overline{AB0}$	PP	8..24V		
6 0	= AB+AB	LD	5V		
8 0	= AB0+ $\overline{AB0}$	LD	5V		
8 Z	= AB0+ $\overline{AB0}$	LD	5V (0 Sinchr. at 180°)		
8 W	= AB0+ $\overline{AB0}$	LD	5V (0 Sinchr at 90°)		
K W	= AB0+ $\overline{AB0}$	LD	In 11/24V/ Out 5V (0 Sinchr at 90°) MAX 1024 pulse		
E 0	= AB+AB	LD/PP	5..28V		
F 0	= AB0+ $\overline{AB0}$	LD/PP	5..28V		
F Z	= AB0+ $\overline{AB0}$	LD/PP	5..28V (0 Sinchr at 180°)		
F W	= AB0+ $\overline{AB0}$	LD/PP	5..28V (0 Sinchr at 90°)		

Connections

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

Variant

Field for special execution

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	