

Series VX

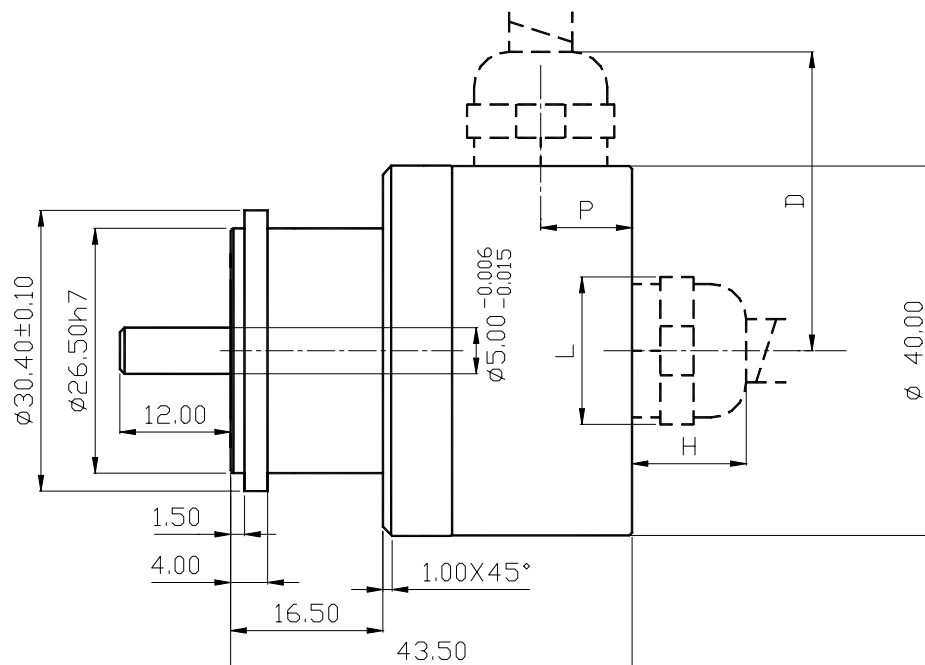
Very compact incremental shaft encoder,
light weight



Mechanics Data

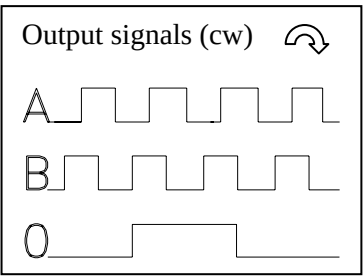
Body and cover:	Chromium-Plated Brass
Shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx.130gr.
Protection:	IP65
Rpm:	6000 Max
Torque:	3Ncm
Inertia:	5gcm ²
Shaft loading:	Axial 30N - Radial 30N (max. value)

Dimensions in mm



Series VX

Electronics Data



Power supply: from 5 to 24V depends on the electronics circuit
Current cons. 40/80mA depends on the electronics circuit
Permissible load: 20mA
Frequency: 160KHz
Zero pulses: Depending of freq. of channels A and B (max 50KHz)
Protections: Against short circuit, reversal polarity
Operating Temp.: -20/+60°C

Ordering code

Series

V	X
---	---

 -

*	*	*	*	*
---	---	---	---	---

 /

Pulses (Max 1024)

See page 4

Shaft
5 = Ø 5mm

Outputs

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+ $\overline{AB}$	PP	8..24V
1	B	=	AB0+ $\overline{AB0}$	PP	8..24V
6	0	=	AB+ $\overline{AB}$	LD	5V
8	0	=	AB0+ $\overline{AB0}$	LD	5V

Connections

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

8	Z	=	AB0+ $\overline{AB0}$	LD	5V	(0 gated to 180°)
8	W	=	AB0+ $\overline{AB0}$	LD	5V	(0 gated a 90°)

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	