

# Series PL

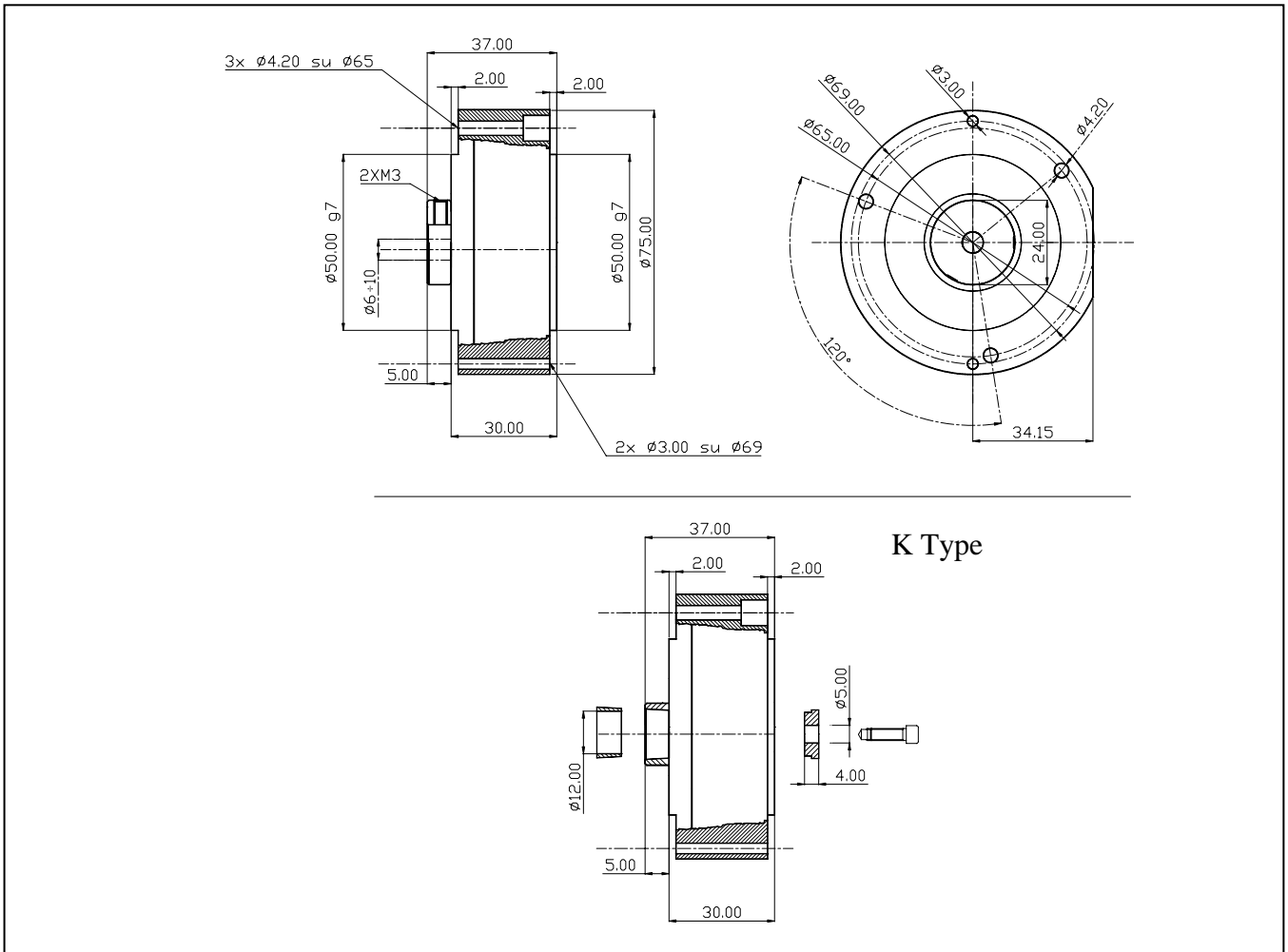
Incremental hollow shaft encoder,  
high settlement;  
self-aligning system panted

## Mechanics Data

Cover:	Aluminium
Body:	Aluminium
Solid shaft:	Stainless steel
Bearings:	2, ballraces
Weight:	Approx.250gr.
Protection:	IP65
Rpm:	6000 Max
Torque:	3Ncm
Inertia:	40gcm <sup>2</sup>
Shaft loading:	Axial 30N - Radial 30N
Recovery max value:	Angular 1,5° -0,5mm axial and radial

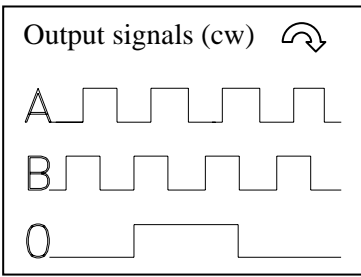


Dimensions in mm.



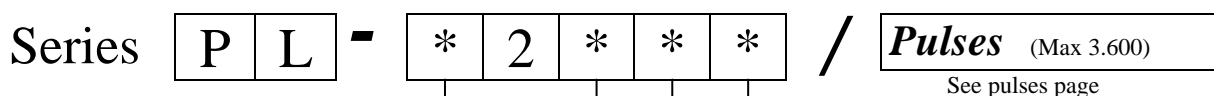
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## Electronics Data



Power supply: from 5 to 24V depends on the electronics circuit  
 Current consumption: 40/80mA depends on the electronics circuit  
 Permissible load: 20/40mA depends on the electronics circuit  
 Frequency: to 300KHz depends on the electronics circuit  
 Protections: Against short circuit, reversal polarity  
 Operating Temp.: -10/+60°C (extension on request)

### Ordering code



#### Shaft

- 6 = Ø6mm
- 7 = Ø7mm
- 8 = Ø8mm
- 0 = Ø10mm
- On request:
- 2 = Ø12mm
- 4 = Ø14mm
- K = Ø 12 Conical

#### Outputs

- 2 = AB PP11/28V
- 3 = AB0 PP11/28V
- N = AB+ $\overline{AB}$  PP11/28V
- P = AB0+ $\overline{AB0}$  PP11/28V
- B = AB OC11/28V
- C = AB0 OC11/28V
- G = AB NPN 11/28V
- H = AB0 NPN 11/28V
- 5 = AB+ $\overline{AB}$  LD5V
- 6 = AB0+ $\overline{AB0}$  LD5V
- 8 = AB+ $\overline{AB}$  LD5/12V
- 9 = AB0+ $\overline{AB0}$  LD5/12V
- S = AB+ $\overline{AB}$  LD15/24V(out 12V - 20mA channel)
- T = AB0+ $\overline{AB0}$  LD15/24V(out 12V - 20mA channel)
- K = AB0+ $\overline{AB0}$  LD15/24 (out 5V - 20mA channel)

#### Connections

- 1 = 9415 Radial
- 3 = Cable Radial
- 2 = 9414 Radial

#### Options

- 0 = None
- Z = Synchronised zero pulse to 180° only for Line Driver
- W = Synchronised zero pulse to 90° only for Line Driver
- H = Connector 9415 With pins compatible with other Hohner models
- Y = Power supply 5/12V for output NPN/OC/PP

### Connections

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