



## Absolute singleturn encoder

- ▶ 12-bit
- ▶ Binary or Gray-code possible with Excess-code
- ▶ Change of counting direction via input signal
- ▶ Parallel output
- ▶ 11...30 Vdc or 5 Vdc



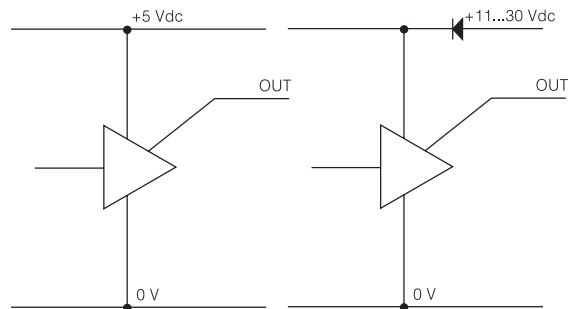
## ELECTRICAL SPECIFICATION

Supply voltage +EV	11-30V	5V ±10%
	Polarity protected	---
Current consumption at no load	100mA @ 24V Max 140mA	200mA Max 240mA
Resolution	12 Bit, 4096 or 3600	
Accuracy	± ½ LSB	
Outputs, Parallel	HTL	TTL, RS-423
Code	Gray, Binary, Excess Short circuit protected	
Load max	± 20mA	
U <sub>high</sub> (at 10mA load)	> +EV - 3,0V	> 3,0V
U <sub>low</sub> (at 10mA load)	< 0,4V	< 0,4V
Frequency range	0...100kHz	
Inputs	DIRECTION	
+EV = 11-30V		
U <sub>high</sub>	> +EV x 0,6	
U <sub>low</sub>	< +EV x 0,25	
+EV = 5V		
U <sub>high</sub>	> 2V	
U <sub>low</sub>	< 0,8V	
Active	High (CCW)	
Not connected	Low (CW)	
Delay	150µs	

## ACCESSORIES

Mating connector	Part. No. 00201010 (19 pin PT)
Mounting bracket	See datasheets for accessories
Mounting kit	
Bearing box	
Couplings	

## OUTPUT CIRCUIT

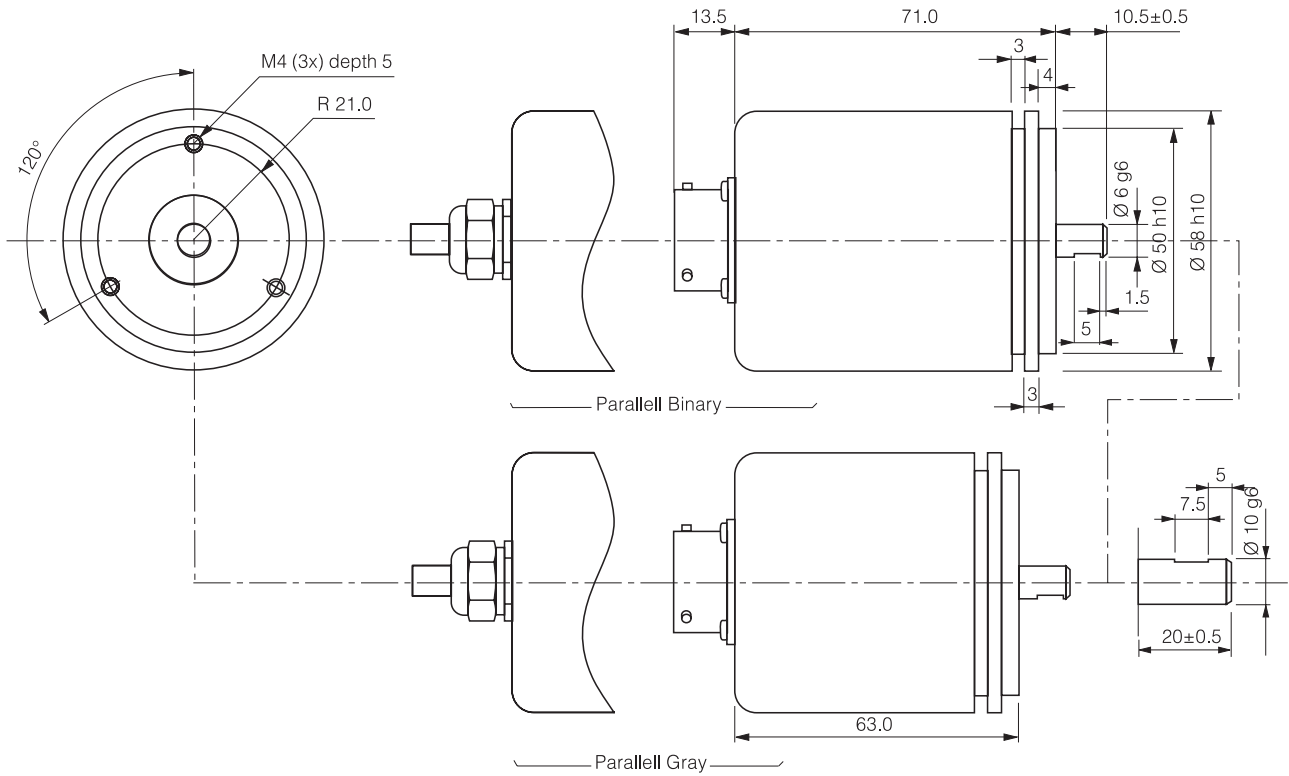


## CONNECTION

Function	19 pin PT	Colour
Bit 12	A	White
Bit 11	B	Brown
Bit 10	C	Green
Bit 9	D	Yellow
Bit 8	G	Grey
Bit 7	H	Pink
0 Volt	F	Blue
+ E Volt	E	Red
Bit 6	J	Black
Bit 5	K	Violet
Bit 4	L	Grey/Pink
Bit 3	M	Blue/Red
Bit 2	N	White/Green
Bit 1	P	Brown/Green
DIRECTION	V	White/Yellow
Case		Screen

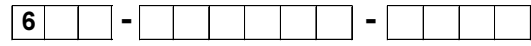


# 672 PARALLEL



MECHANICAL SPECIFICATION	
Shaft, Stainless steel	Ø 6mm, 10mm
Moment of inertia	1,9 x 10 <sup>-6</sup> kgm <sup>2</sup>
Load max	
Radial	20N
Axial	10N
Speed max	
Mechanical	12000 rpm
Electrical	1500 rpm
Code disc	Unbreakable acrylic glass
Temperature	
Operating	-25°C ... +60°C
Storage	-25°C ... +70°C
Housing	Aluminum, anodized
Weight	Approx. 300g
Protection class	IP 65 according to IEC 529
Vibration	<100m/s <sup>2</sup> (50...2000 Hz)
Shock	<1000m/s <sup>2</sup> (11ms)
Cable	16x0,25mm <sup>2</sup> PVC

## ORDERING INFORMATION



**Type**  
72 = Syncro flange

**Option**  
00 = Gray output  
01 = Binary output

**Shaft**  
1 = Ø 6 mm with face  
6 = Ø 10 mm with face

**Connection**  
0 = Connector, axial  
1 = Cable, axial 1.5 m  
8 = Cable, axial xx m

**Supply voltage**  
1 = 5 Vdc  
5 = 11...30 Vdc

**Internal use**  
3 = 12 bit

**Resolution**  
3600 or 4096



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01-03-22 PS. Specifications can be changed without prior notice.