

Absolute Rotary Encoder Type Series 1051

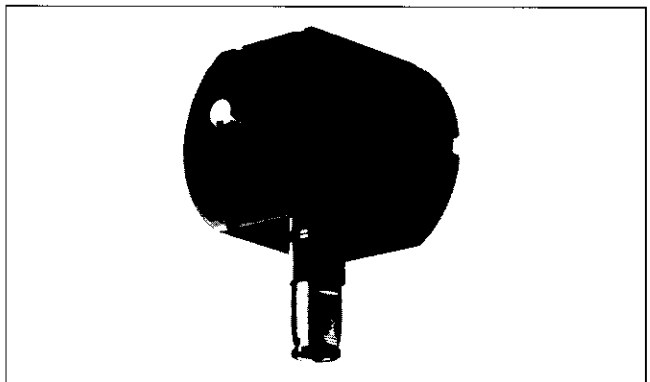
12.91.3



You may count on

- Heavy die-cast housing
- Plastic scales with high resistance to shock
- Max. 10-bit resolution
- Gray, binary and BCD code available
- Programmable counting direction
- Parallel outputs
- Zero point display by LED

Specifications:



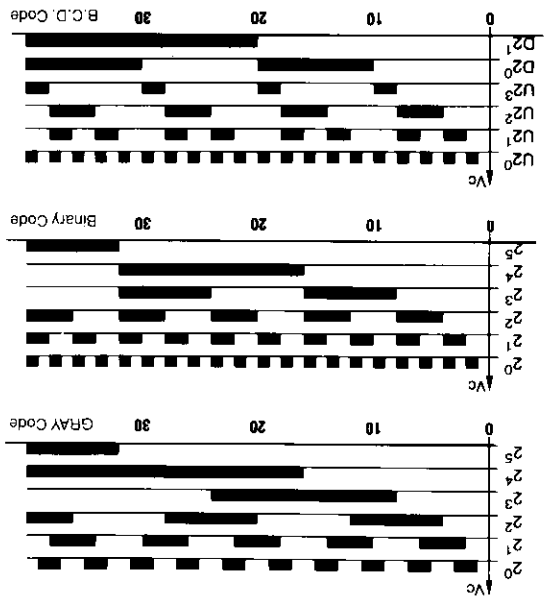
Mechanical characteristics:

Speed:	max. 6,000 RPM	
Rotor moment of inertia:	$8 \times 10^{-6} \text{ kgm}^2$	
Torque:	< 0,005 Nm	
Radial shaft load capacity:	10 N (at shaft end)	
Axial shaft load capacity:	10 N	
Weight:	appr. 1,2 kg	
Protective system to DIN 40,050:	IP 54	
Ambient temperature range:	-10 to +50 °C	
Shaft:	Stainless steel	
Graduations available at short notice:	Gray, binary or BCD	
	2, 4, 8, 16, 25, 32, 45, 50, 64, 90,	
	100, 128, 180, 200, 256, 360,	
	400, 512, 720, 800, 1024	
	Other graduations on request	

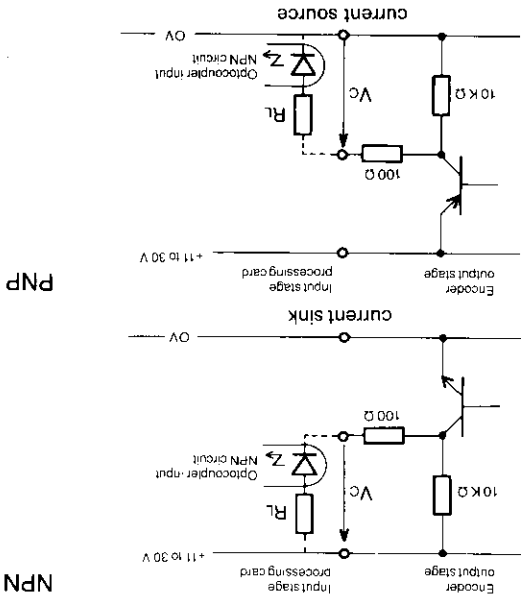
Electrical characteristics:

Output circuit:	NPN output	PNP output
Power (DC):	11 to 30 V	11 to 30 V
No load current consumption:	max. 100 mA	max. 100 mA
Permissible load / channel:	max. -50 mA	max. +50 mA
Pulse frequency:	max. 10 kHz (LSB)	max. 10 kHz (LSB)
Signal level high (RL = 10 K Ω):	UB	typ. UB - 2.8 V
Signal level low (RL = 10 K Ω):	typ. 1.4 V	0 V
Rise time t _r :	max. 1 μ s	max. 2 μ s
Fall time t _f :	max. 1 μ s	max. 10 μ s
Short-circuit resistant:	no	no

Output code:



Output circuit:



- Subject to changes without prior notice -

