

Acid Proof Stainless

CHARACTERISTICS

ENCODER TYPE	Shaft encoder
APPROVAL	II 2 G/D EEx d IIB T6
SMD - TECHNOLOGY	Strong compact electronics
HIGH IP-RATING	Std. IP 66
LOW CURRENT CONSUMPTION	To be connected directly to PLC'S and counters
SHORT CIRCUIT PROTECTION	Thermal shut down at 155°C
WIDE SUPPLY RANGE	Min. 4,5V to max. 30V
STRONG MEC. CONSTRUCTION	Based on 2 precision ball bearings, for harsh industrial environments

ELECTRICAL SPECIFICATIONS

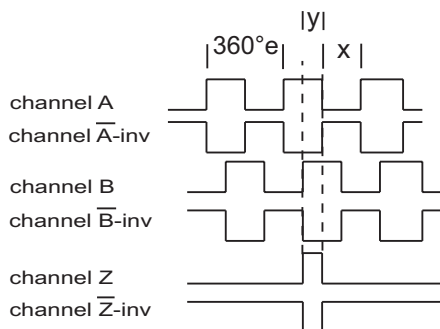
	At +25°C
Output waveform	Incremental (A, B)
Zero or index pulse	(Z) one pr./rev.
Output	Totempole
Supply-voltage (Vin)	Min. 4,5V to Max. 30V * Reverse polarity protection
Current (no load)	Max. 45 mA
Max. load pr. output	30 mA - (Short circuit protected)*
V Out low	Max. 500 mV @ I = 10mA
Operating temp.	- 40°C to + 75°C
Storage temp.	- 40°C to + 75°C
Max. pulse frequency	300 kHz*
V out high	Min. (Vin -0,6) @ I = -10mA Min. (Vin -1,3) @ I = -25mA
Cable data	8 leads (0,14 mm ²)pairtwisted/shielded
Output signals	Standard, Inverted, Differential (RS-422A compatible)
EMC certified acc. to	EN 50081-1 and EN 50082-2
EEEx certified acc. To	EN 50014 and EN 50018 and 94 / 9 / EC (ATEX)
	* = It is not recommended to combine max value for all 3 parameters

MECHANICAL SPECIFICATIONS

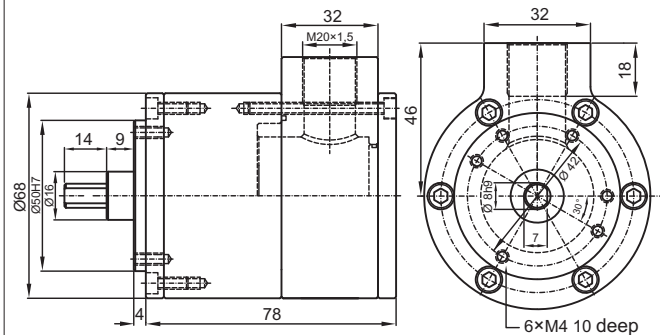
Weight	About 1,325 kg
Materials	Acid Proof Stainless steel
Shaft dimensions	Ø8 mm
Shaft loads	Axial max. 50 N Radial max. 50 N
Max. rev.	3000rev/min)
IP-rating	Standard IP 66
Start torque	IP 66 < 0,05 Nm at 25°C
Mass moment of inertia	35 gcm ²
Max. shock	100 G/11 ms
Bump	10 G - 16 ms (1000 x 3 Axis)
Vibration	(10 - 2000 Hz)/10 G

OUTPUT WAVEFORM

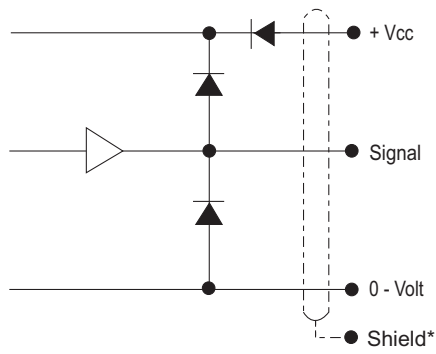
Rotation: Clockwise (cw) from shaftside
(inv = inverted channels)



MECHANICAL DIMENSIONS

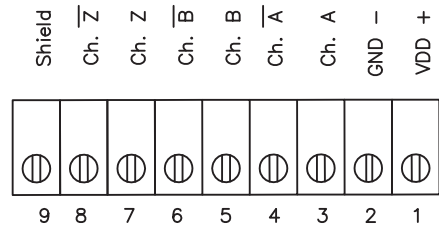


OUTPUT CIRCUIT



* Shield connected to housing

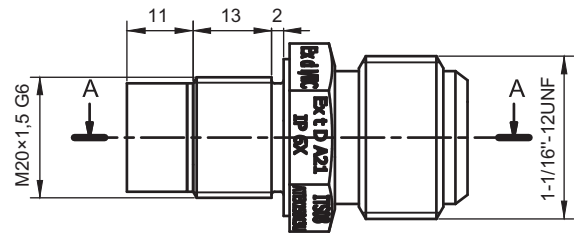
CONNECTIONS



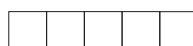
PULSES/REV.

1	16	50	125	400	1000	2500
2	20	60	150	455	1024	3000
5	25	64	180	500	1131	3600
6	30	75	200	600	1250	4000
8	32	80	250	635	1500	4096
10	36	90	300	720	2000	5000
15	40	100	360	800	2048	9000

Hydraulic Hose Option



2REXI-A



Pulses



Material



Output signal



Shaft



IP-rating