

	Without line driver	EN22A	EN22AL	EN22B	EN22BL
<b>Electrical Data</b>	Line driver				
1 Lines per revolution		4096	4096	4096	4096
2 Number of channels		3	3	3	3
3 Max. speed	rpm	20000	20000	20000	20000
4 Supply voltage	V	5	5	5	5
5 Output signal		TTL	TTL	TTL	TTL
6 Index pulse width	°e	90	90	90	90
7 Phase shift, Channel A to B	°e	90	90	90	90
8 Inertia of code disc	gcm <sup>2</sup>	0.7	0.7	0.7	0.7
9 Operating temperature range	°C	-40..+125	-40..+125	-40..+125	-40..+125

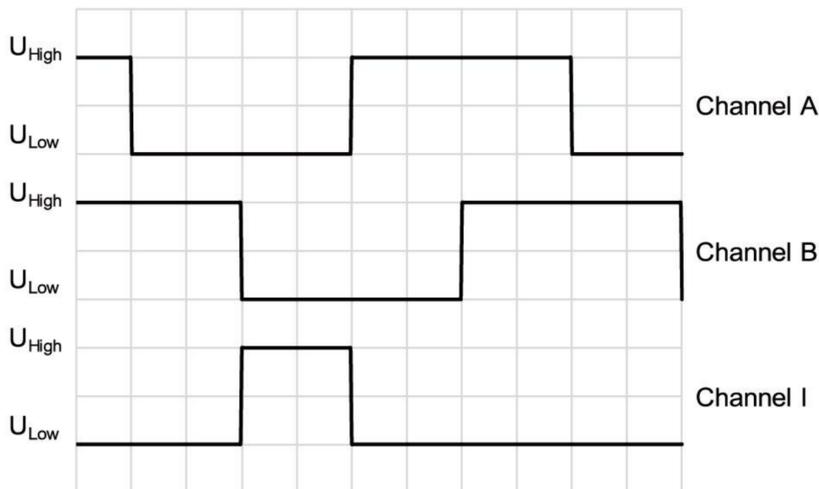
**Features & Configuration**

- Magnetic rotary encoder chip
- Output interface: ABI
- Configuration programmable : Zero position, ABI line per revolution
- ABI binary pulse count: 4096, 2048, 1024, 512, 256ppr
- Optional line driver : Provide four channel differential line driver with complementary outputs for EN22AL and EN22BL

**Output Signals**

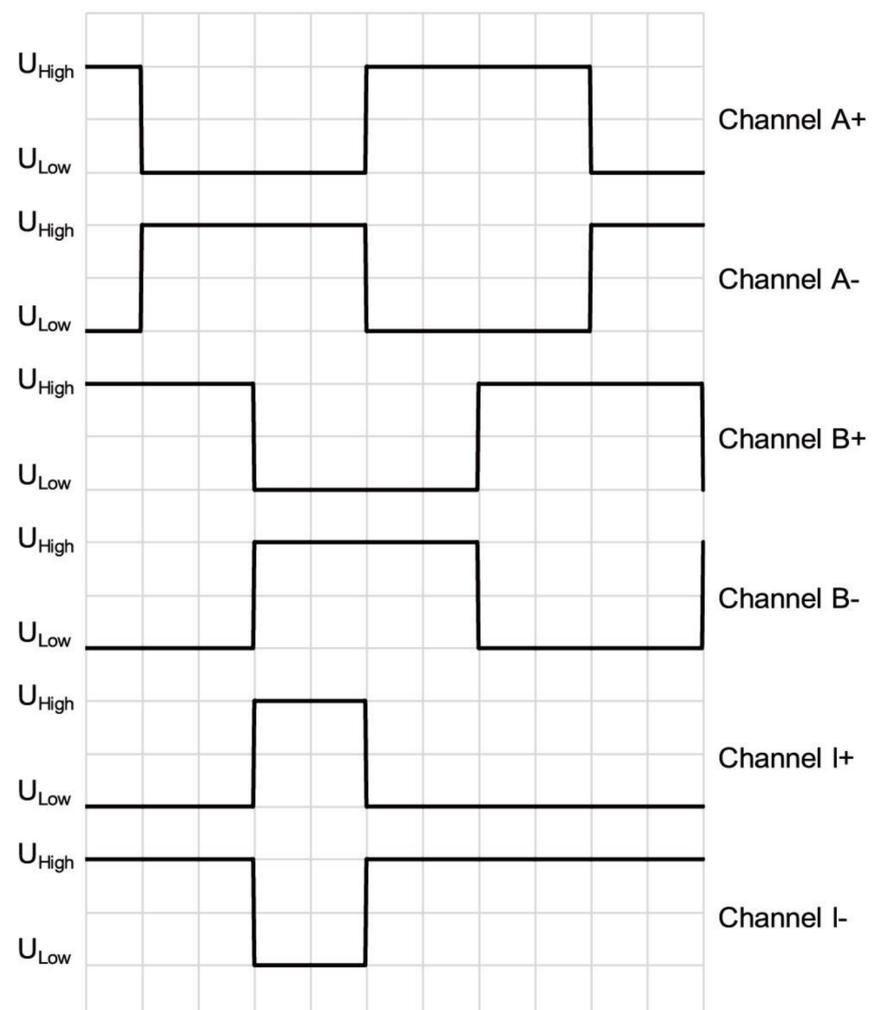
**EN22A/EN22B**

with counter-clockwise rotation as from the shaft end



**EN22AL/EN22BL**

with counter-clockwise rotation as from the shaft end



**Connection**

Conection	EN22A/EN22B	PVC
Pin 1	A+	AWG28 yellow
Pin 2	NC	AWG28 grey
Pin 3	B+	AWG28 green
Pin 4	NC	AWG28 orange
Pin 5	I+	AWG28 blue
Pin 6	NC	AWG28 white
Pin 7	Vcc	AWG28 red
Pin 8	GND	AWG28 black

Conection	EN22AL/EN22BL	PVC
Pin 1	A+	AWG28 yellow
Pin 2	A-	AWG28 grey
Pin 3	B+	AWG28 green
Pin 4	B-	AWG28 orange
Pin 5	I+	AWG28 blue
Pin 6	I-	AWG28 white
Pin 7	Vcc	AWG28 red
Pin 8	GND	AWG28 black