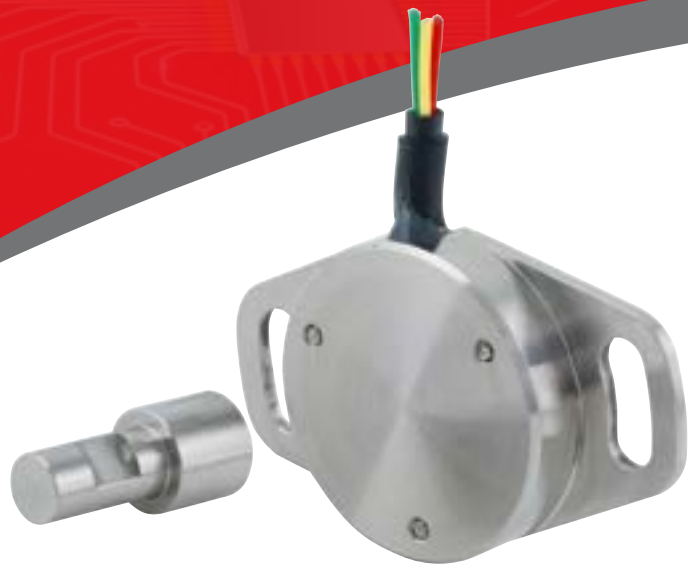


# Absolute Hall Effect Encoders

SSI Output



## EHE428

Size 28 mm  
Hall Effect

Cable outlet with 6 wires  
KZ 0504 AWG 26 L : 350 mm  
Protection sleeve  
DR25 L : 300 mm

### Electrical Specifications

Measurement range	5° to 360°
Supply voltage	+5 ± 0,25 Vdc
Maximum supply current	< 13 mA
Power-on settlement time	< 0,150 s
Resolution (factory programmed)	12 to 16 bits
Non-linearity	± 0,75°
Temperature coefficient	< 50 ppm/°C
Hysteresis (Factory programmed)	0,02° min
Sample rate	10 KHz
Input/output delay (Factory programmed)	0,6 ms < td < 1,8 ms
Insulation resistance	≥ 1000 MΩ - 500 Vdc
Dielectric withstanding voltage	750 Veff (50 Hz 1min)

### Mechanical Specifications

Mechanical angle	360°
Max rotating speed	6000 rpm
Weight	< 50 gr
Mounting	See drawing

For any further information, please contact our sales department :



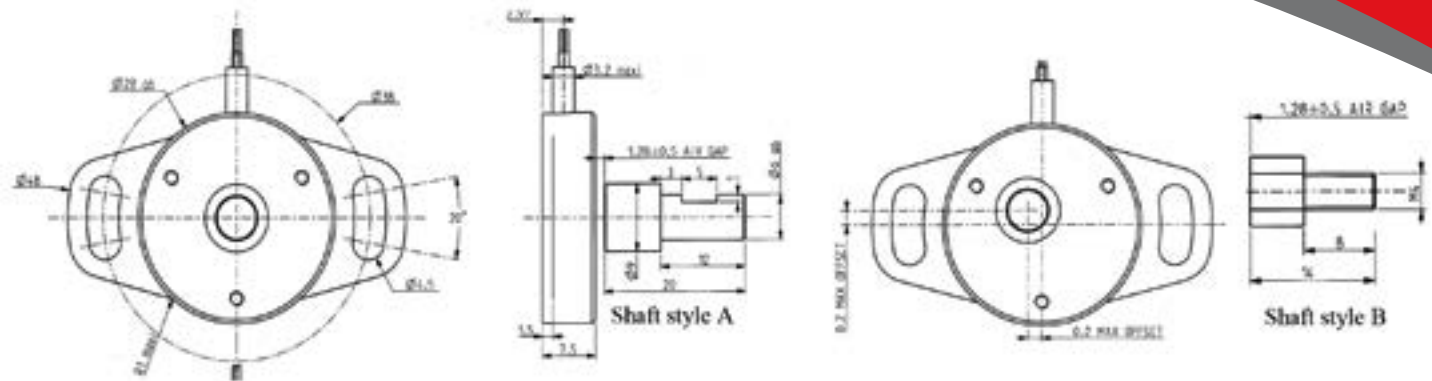
1 La Chaudure - 23190 Champagnat - France  
Tel : 33(0)5 55 67 70 00 Fax : 33(0)5 55 67 68 59  
contact@codechamp.fr www.codechamp.fr

**EHE428**  
Absolute Hall Effect Encoders - SSI Output

# Absolute Hall Effect Encoders EHE428

SSI Output

## Drawing



## Environment

Protection class	IP68
Life contactless sensor	Essentially infinite
Operating & storage temperatures	-55°C to +150° C
Vibration IEC 68-2-6	20 g max at 50 to 2000 Hz
Shock IEC 68-2-27	50 g 11 ms 1/2 sinus
EMC immunity BS EN 61000-4-3	100 V/m 80MHZ to 1 GHz

## Options

Output direction for increasing output	Clockwise or anticlockwise shaft rotation (Factory programmed)
Length of wires	L : 1 m
OEM options	On request
Redundancy	On request
Non linearity with external EEPROM	$\pm 0,25^\circ$
Shaft style	See drawing
Temperatures peaks	- 70°C to + 180 °C

## SSI Output

Data output	RS 422A
Data input	Clock (RS 422A)
Output code	Binary

## Timing diagram

Clock H	1 KHz to 2 MHz
Data SS (Factory programmed) + parity	12 to 16 bits

