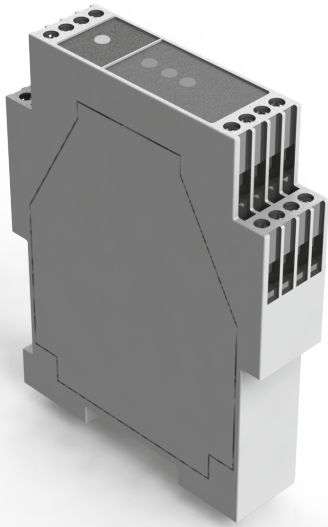


## Galvanic Isolator for Regular Incremental Ex ia IIB circuit Encoders



**Part Number:**  
**IB for Extended Line Driver**  
**ID for Sink Open Collector**

For Extended Line Driver, 5-24V encoders  
Ex ia IIC, I (M1), II (1) GD

ATEX , IECEX , CSA , GOST-CU

For DIN rail type EN 50 022 (35mm X 7.5mm)



### Technical Data

#### Power Supply:

Input Voltage	12 ... 30 V
Ripple	<10%
Current Cons. (Nominal)	200 mA
Current Consumption (Max)	<440 mA
Power Consumption (Max)	5.28 W

#### Hazardous Output Supply:

Output Voltage	5 ... 20 V
Output Ripple	<20 mV
Max Permissible Current	50 mA
Max Permissible Power	250 mW

#### Hazardous Input Signals:

Signal Type	TTL, Sink, Source, CMOS, Extended Line Driver
Number of Channels	Six
Input Voltage	5 ... 30 V

#### Non Hazardous Output Signals:

Signal Type	Extended Line Driver or Sink Open Collector
Number of Channels	Six
Output Voltage	12 ... 30 V
Max Load per Channel	30 mA

#### Other Technical Data:

Max In/Out Frequency	150 kHz for extended line driver and 100 kHz for sink open collector
Temperature Range	-40 C to + 60C
Electrical Insulation	1000V Insulation Test
Reverse Polarity	Yes
Weight	220 grams
Material	Plastic
IP Rating	IP20

### Certifications

ATEX , IECEX , CSA , GOST-CU

## Connection Options

### Hazardous Area - Encoder Side

#### Terminal blocks

- A = GND
- B = + Volts
- C = Input A
- D = Input B
- E = Input Ref
- F = Input A inv
- G = Input B inv
- H = Input Ref inv

### Non-Hazardous Area - System Side

#### Terminal blocks

- 1 = GND
- 2 = + 12...30 Volts
- 3 = Output A
- 4 = Output B
- 5 = Output Ref
- 6 = Output A inv
- 7 = Output B inv
- 8 = Output Ref inv

## Dimensions and Mounting Diagram

