

## Sendix 70X8 singleturn and multiturn encoder series



Absolute multiturn ATEX shaft rotary encoder from Kuebler with a programmable CANopen interface. The optical absolute rotary encoder delivers digitally the sensed position values via an integrated CAN interface including all CANopen functionalities as well as programmable options.

### Main features

- Flange diameter: 70 mm
- Depth: 113 mm
- Shaft diameter: 10 mm to 12 mm
- Protection rating to EN 60529: IP67
- Operating temperature range: -40 °C to +60 °C
- Resolution: 16-bit singleturn, 12-bit multiturn
- Max. speed: 12 000 rpm
- EX-protection: Zone 1,2 and 21,22

### Electrical data

- Supply voltage: 10 V<sub>DC</sub> to 30 V<sub>DC</sub>

### Programmable parameters

- Code sequence
- Resolution per revolution
- Total resolution
- Preset value
- Limit switches
- Cycle time
- Diagnostic mode
- Event mode

## Contact

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For further distributors worldwide, please refer to [www.kuebler.com](http://www.kuebler.com)

## Features

<b>NMT</b>	NMT slave
<b>Error control</b>	Node guarding Life guarding Heartbeat producer
<b>Boot-up</b>	Yes
<b>Node ID range</b>	From 1 to 127
<b>Node ID</b>	Hardware switch Software switch LSS-services LMT-services
<b>CANopen bit-rates</b>	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 500 kbit/s 1 000 kbit/s
<b>Type of bit-rate adjustment</b>	Hardware switch (local interface) Software switch LSS-services (defined in CiA 305)
<b>RPDOs</b>	No

<b>TPDOs</b>	3
<b>PDO modes</b>	Event-triggered Triggered by event-timer Remotely-requested Synchronous (cyclic) Synchronous (cyclic) coupled to sync counter start
<b>PDO linking</b>	Yes
<b>PDO mapping</b>	Dynamic
<b>SDO server</b>	1
<b>SDO client</b>	No
<b>Emergency producer</b>	Yes
<b>Emergency consumer</b>	No
<b>Sync producer</b>	No
<b>Sync counter</b>	No
<b>Time stamp</b>	Time stamp object consumer
<b>Additional functions</b>	LSS slave Self-starting device
<b>CANopen version</b>	CiA 301 V 4.2
<b>Frameworks</b>	CiA 302 CiA 305
<b>Device profiles</b>	CiA 406: CANopen device profile for encoders CiA 417: CANopen application profile for lift control systems Part
<b>Certified</b>	Yes
<b>Availability</b>	In stock