

Sendix F36X8 absolute multiturn and singleturn encoder series



Absolute singleturn or multiturn shaft and blind hollow shaft rotary encoder with a programmable CANopen interface. The optical absolute rotary encoder from Kuebler delivers digitally the sensed position values via an integrated CAN interface including all CANopen functionalities as

well as programmable options.

Main features

- Flange diameter: 36 mm
- Depth: 42,2 mm to 50, 1mm
- Hollow shaft diameter: 6 mm to 10 mm
- Shaft diameter: 6 mm to 10 mm
- Protection rating to EN 60529: IP65, IP67
- Operating temperature range: -40 °C to +85 °C
- Resolution singleturn: 16 bit
- Resolution multiturn: 32 bit
- Max. speed: 8 000 rpm to 10 000 rpm

Electrical data

- Supply voltage: 10 V_{DC} to 30 V_{DC}

Programmable parameters

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

Contact

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Features

NMT	NMT slave
Error control	Node guarding Life guarding Heartbeat producer
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Software switch LSS-services LMT-services
CANopen bit-rates	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	Software switch LSS-services (defined in CiA 305)
RPDOs	No
TPDOs	5
PDO modes	

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