

Sendix F58x8 singleturn and multiturn encoder series



The Sendix F58 multiturn with patented Intelligent Scan Technology™ from Kuebler is a particularly high resolution optical multiturn encoder without gears and with 100 percent magnetic insensitivity.

32 bits total resolution, through hollow shaft up to 15 mm and CANopen functionalities according to up-to-date Encoder Profile.

Main features

- Flange diameter: 58 mm
- Depth: 60/65 mm
- Shaft diameter: 6 mm to 10 mm
- Blind hollow shaft diameter: 10 mm to 15 mm
- Protection rating to EN 60529: IP65 or IP67
- Operating temperature range: -40 °C to +80 °C
- Resolution: 16-bit singleturn, 16-bit multiturn
- Max. speed: 12 000 rpm

Electrical data

- Supply voltage: 10...30 VDC

Functions

- Event mode
- 2 working areas with 2 upper and lower limits and the corresponding output states
- Variable PDO mapping for position, speed, work area status, error message, raw data
- Extended failure management for position sensing
- User interface with visual display of bus and failure status - 1 LED, 2 colours
- Customer-specific memory 16 Byte
- Customer-specific protocol
- Universal Scaling Function (USF)
- "Watchdog controlled" device
- Extended diagnostic modes

Contact

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Features

NMT	NMT slave
Error control	Node guarding Life guarding Heartbeat producer Heartbeat consumer: 2 message(s)
Boot-up	Yes
Node ID range	From 1 to 127
Node ID	Software switch LSS-services
CANopen bit-rates	10 kbit/s 20 kbit/s 50 kbit/s 125 kbit/s 250 kbit/s 500 kbit/s 800 kbit/s 1 000 kbit/s
Type of bit-rate adjustment	Software switch LSS-services

RPDOs	No
TPDOs	4
PDO modes	Event-triggered Triggered by event-timer Remotely-requested Synchronous (cyclic) Synchronous (acyclic)
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	None
CANopen version	CiA 301 V 4.0.2
Frameworks	CiA 305
Device profiles	None
Certified	No
Availability	In stock