

Inclinometer IS60

IS60, 2-dimensional

The inclinometer IS60 from Kuebler permits 2-dimensional inclinations to be measured. Versions are available for the measuring ranges $\pm 10^\circ$, $\pm 45^\circ$ or $\pm 60^\circ$.

The sensor has a standardised CANopen interface, which enables easy configuration and start-up. All the parameters are stored in the internal permanent memory. Can be supplied with customer-specific parameterising.

Main features

- Protection rating to EN 60529: IP68
- Operating temperature range: -40...+80°C
- Measuring axes: 2 (X/Y)
- Measuring range: $\pm 10^\circ$, $\pm 45^\circ$, $\pm 60^\circ$

Electrical data

- Supply voltage: 10...30 VDC

Functions

- TPDO (RTR, cyclic, event-driven, synchronized)
- parameterization per SDO and object register
- digital filter (Butterworth Low pass, 8th order)
- SYNC Consumer
- EMCY Producer
- output and control of internal device temperature (± 2.0 K accuracy)
- failure control with the help of Heartbeat or Nodeguarding / Lifeguarding

Contact

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For further distributors worldwide, please refer to www.kuebler.com

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
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
RPDOs	No
TPDOs	1
PDO modes	Event-triggered Triggered by event-timer

	Remotely-requested Synchronous (cyclic) coupled to sync counter start value
PDO linking	No
PDO mapping	Static
SDO server	1
SDO client	No
Emergency producer	Yes
Emergency consumer	No
Sync producer	No
Sync counter	Yes
Time stamp	No
Additional functions	Self-starting device
CANopen version	CiA 301 V 3.0 CiA 301 V 4.0.2 CiA 301 V 4.1 CiA 301 V 4.2
Frameworks	CiA 302
Device profiles	CiA 410: CANopen device profile for inclinometer
Certified	<input type="checkbox"/>
Availability	In stock