

Overview inclination sensors

with CAN/CANopen interface

Characteristics:

- 1/2-dimensional inclination sensors
- High resolution and accuracy
- Comfortable CAN/CANopen interface
- High sampling rate and bandwidth
- Programmable vibration suppression
 - configurable critical frequency (0.3..25 Hz)
- Functions CAN:
 - Angle request and cyclical output
 - Comfortable setting of parameters
- Functions CANopen:
 - a TPDO (RTR, cyclic, event-controlled, synchronised)
 - SYNC Consumer (synchronised transmission of the TPDO after receiving a SYNC message)
 - EMCY Producer (exceeding of a limit value, temperature monitoring in the device)
 - Failure monitoring via heartbeat or nodeguarding / lifeguarding
- optional available as robust, simply mountable aluminium
- housing or high impact strength plastic housing
- suitable for industrial use:
 - Temperature range: -40 °C up to +80 °C
 - degree of protection: IP65/67



Figure similarly



Figure similarly

The inclination sensors are available either with a second connection to a CAN bus (loopthroughed, socket) or with four freely configurable, potential-free switching outputs and can also be used as transducer in control systems. The compact and robust design makes the sensor a suitable angle measurement device in rough surroundings for different applications in industry and automotive technology. A simple configuration and putting into operation is possible by the standardised CANopen interface. All parameters are stored in the internal permanent memory.

Applications:

- Industry automation
- Agricultural and forestry machines
- Utility vehicles
- Crane and hoisting technology

Overview:

Number of axes	Product type	Angle	Article number	
			Aluminium housing	Plastic housing
CAN				
1-dimensional	IS1D 00 P13	360°	PR-23000-01	PR-23040-00
2-dimensional	IS2D 10 P03	±10°	PR-23001-01	PR-23041-00
	IS2D 45 P03	±45°	PR-23002-01	PR-23042-00
	IS2D 60 P03	±60°	PR-23003-01	PR-23043-00
CAN, with a second connection to a CAN bus				
1-dimensional	IS1D 00 P13	360°	PR-23011-01	PR-23040-30
2-dimensional	IS2D 10 P03	±10°	PR-23013-01	PR-23041-30
	IS2D 45 P03	±45°	-	PR-23042-30
	IS2D 60 P03	±60°	PR-23012-01	PR-23043-30
CAN, with for switching outputs				
1-dimensional	IS1D 00 P14	360°	PR-23203-01	PR-23240-00
2-dimensional	IS2D 10 P04	±10°	PR-23200-01	PR-23241-00
	IS2D 45 P04	±45°	PR-23201-01	PR-23242-00
	IS2D 60 P04	±60°	PR-23202-01	PR-23243-00
CANopen				
1-dimensional	IS1D 00 P15	360°	PR-23100-01	PR-23140-00
2-dimensional	IS2D 10 P06	±10°	PR-23101-01	PR-23141-00
	IS2D 45 P06	±45°	PR-23102-01	PR-23142-00
	IS2D 60 P06	±60°	PR-23103-01	PR-23143-00
CANopen, with a second connection to a CAN bus				
1-dimensional	IS1D 00 P15	360°	-	PR-23140-30
2-dimensional	IS2D 10 P06	±10°	-	PR-23141-30
	IS2D 45 P06	±45°	-	PR-23142-30
	IS2D 60 P06	±60°	-	PR-23143-30
CANopen, with for switching outputs				
1-dimensional	IS1D 00 P16	360°	PR-23303-01	PR-23340-00
2-dimensional	IS2D 10 P07	±10°	PR-23300-01	PR-23341-00
	IS2D 45 P07	±45°	PR-23301-01	PR-23342-00
	IS2D 60 P07	±60°	PR-23302-01	PR-23343-00