



Wire Guidance CAN Antenna

Applications

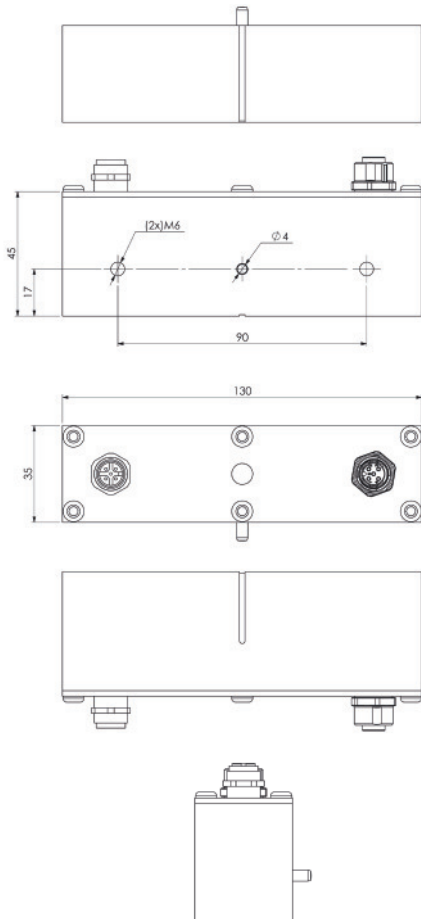
- Wire guidance (inductive guidance) antenna with standard CANOpen™ communication interface
- Used for vehicle guidance and/or positioning

Features

- Antenna and data processing in single unit
- Mechanical indication of antenna center and holes for easy fixation
- Uses standard CANOpen™ interface
- Node ID selection using 5 DIP switches
- Baud rate selection using 4 DIP switches
- 1 DIP switch to enable/disable bus terminator resistance
- Provides mm-level accurate deviations for up to 4 frequencies simultaneously
- Provides quality indication of the provided deviations (*)
- Allows antenna calibration using the CAN interface (*)

- Built-In-Tests (BIT) and reporting of BIT result:
 - Internal coil broken or damaged
 - Internal coil short circuit
 - Internal test frequency for analog input stage

- Easily update new features via specific software (*)
- When using a Snox frequency generator, the antenna also detects the direction of movement along the wire (*)



Technical specifications

- Sine wave detection frequencies:
 - Default frequencies: 2814 Hz, 3231 Hz, 3654 Hz, 4077 Hz
 - Configurable frequencies using CANOpen™ communication (*)

Parameter	Value	Remark(s)
DC Supply voltage	12 V .. 48 V	
Power Consumption	Max. 1 W	Over supply voltage range
Connectors	M12 Male and Female	CAN and supply voltage loop-through possibility for max. 1 A devices
Operating Height (**)	70 mm	30 mm ... 100 mm range
Operating Temperature	-40 °C to 70 °C	
Transport/Storage Temperature	-40 °C to 85 °C	
Relative humidity	95 %	Non condensing
Dimensions	130 mm x 35 mm x 45 mm (55 mm)	Excl. (incl.) connector
Weight	± 300 g	
IP Protection	IP 65	

(*) Optionally

(**) Above floor. Cable placed 1 cm under floor surface