



ALX.050.C

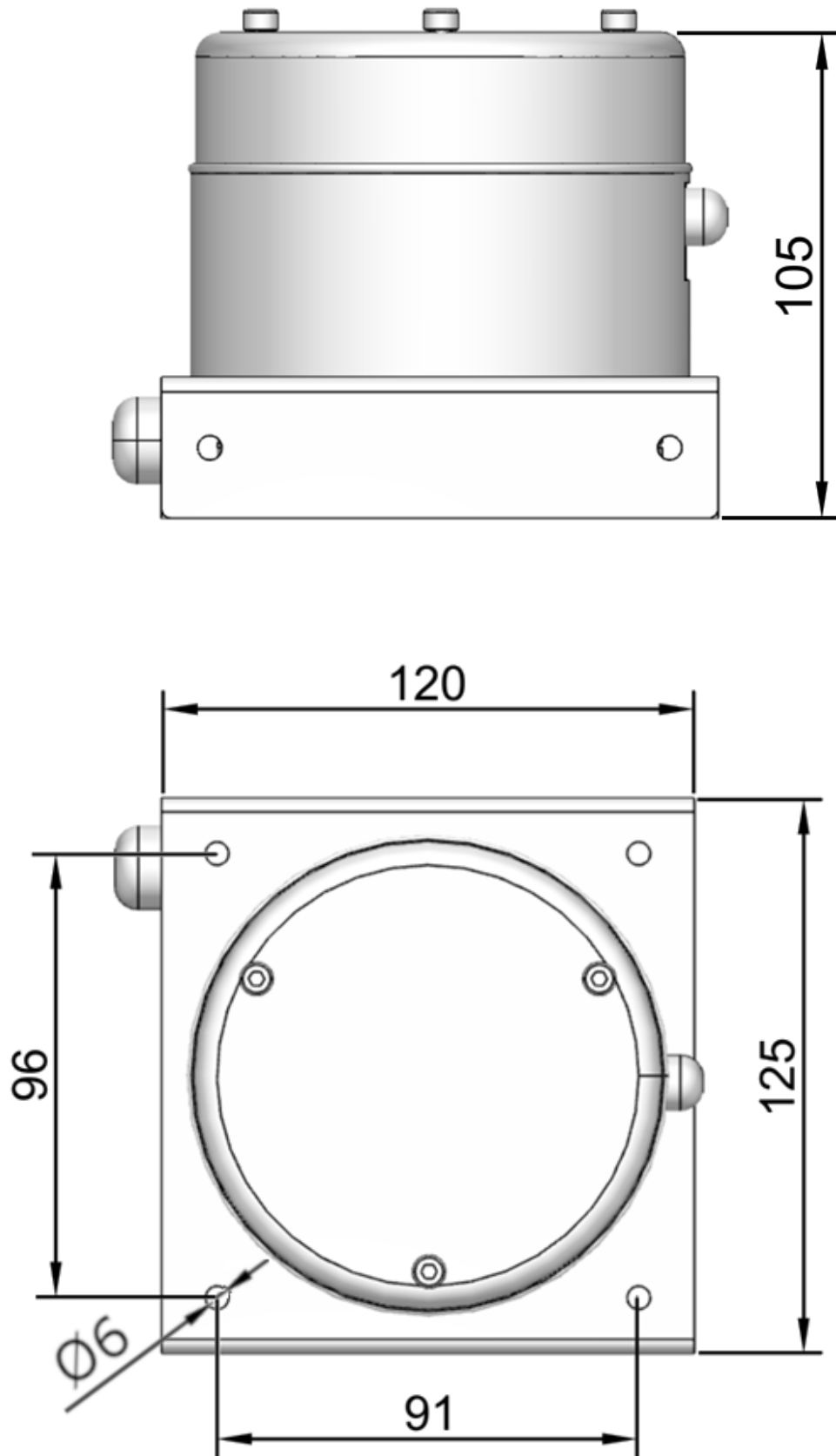
5-meter Angle & Length
Sensor - CANbus

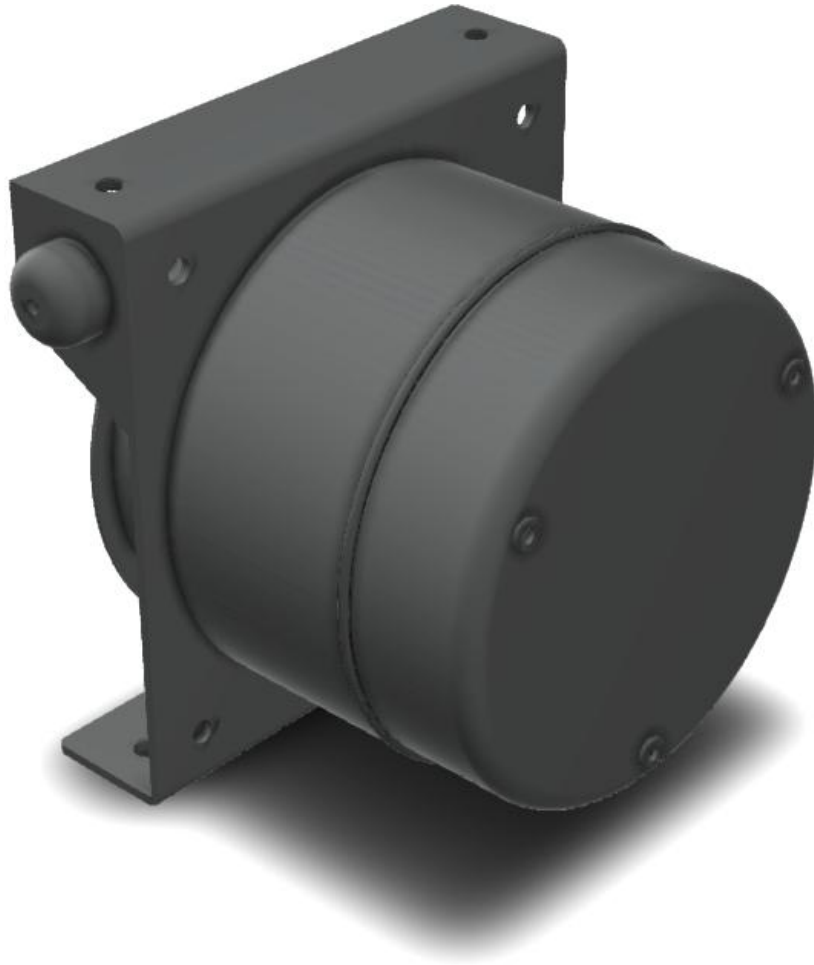


TECHNICAL FEATURES

- Length measurement in mm resolution.
- 0..360° measurement in vertical position (ANGLE SENSOR feature)
- Angle measurement range can be set as -180° .. +180° by CAN message.
- Angle measurement direction can be set as counter-clockwise by CAN message.
- Moving average and Kalman filters against signal interference.
- High angle sensor resolution (Z): 0.01° (Range: 0.00° ~ 359.99°)
- Resolution can be set to 0.1° by CAN message. (Range: 0.0° ~ 359.9°)
- Accuracy: ±0.1°
- CAN Node-ID: 1..127 adjustable (Default: 0x24)
- Baudrate: selectable at 20 kbps, 50 kbps, 100 kbps, 125 kbps, 250 kbps, 500 kbps, 1 Mbps (default: 250 kbps)
- CAN message period: 10 ms, 50 ms, 100 ms, 500 ms, 1000 ms (Default: 100 ms)
- Heartbeat message: 0x700 + Node-ID
- Optional redundancy







MECHANICAL and ELECTRICAL FEATURES

- Power Supply: 8..35Vdc (Reverse Polarity, High Current, High Voltage & Short Circuit Protection)
- Connector Type: M12/4pin (male or female upon request) or 3m-5m-10m cable out
- High Protection Class: IP65
- Operational Temperature: -40..+85 °C
- Full metal enclosure

