

Knock Sensor

P/N 43.20.001

Dimensions

- Length 45 mm (1.77")
- Width 28 mm (1.1")
- Height 21 mm (0.83")
- Diameter of fixing hole 8.4 mm (0.33")

Mechanical and Electrical Data

- Frequency range 5 kHz to 15 kHz
- Sensitivity at 5 kHz (new sensor) 26 mV/g \pm 8 mV/g
- Change during service life Max. – 17 %
- Linearity \pm 15 % of measured 5 kHz value
- Resonance frequency > 20 kHz
- Impedance R > 1 M Ω
C = 1200 pF \pm 400 pF
- Leakage resistance 4,9 M Ω \pm 20 %
- Temperature dependence of sensitivity \leq –0,06 mV/g °C
- Protection class IP 54

Connection

- Connector 2-pole Junior Timer connector

Climatic Environmental Conditions

- Permissible temperature range –40 °C to +130 °C
(–40 °F to +266 °F)

Mounting

- Torque 20 Nm \pm 5 Nm (14.8 lb-ft \pm 3.7 lb-ft)
- Fixing screw
 - Cast iron engine block M8x25, property class 8.8
 - Aluminum engine block M8x30, property class 8.8
- Mounting position Random

Mounting on Cylinder Head Screw*

- Torque 15 Nm \pm 3 Nm (11 lb-ft \pm 2.2 lb-ft)
- Fixing screw M6x30, property class 10.9 with sleeve
- Mounting position Random

* The material of the cylinder head screw on which the sensor is mounted may also need to be taken into account.



Overview Drawings

