Throttle Body with Integrated Stepper Motor
P/N 30.43.050-D, P/N 30.43.050-D-HT

Variants
- Standard diameters D of the throttle (see drawing) 42 mm (1.65")
- Possible diameters of the throttle 41 mm (1.61") to 42 mm (1.65")

Dimensions
- Length/width of mounting flange 86.7 mm (3.41")
- Hole spacing on the mounting flange 57 mm (2.24")
- Height of mounting flange 40 mm (1.57")
- Length including stepper motor 232.9 mm (9.17") (standard version)
  247.9 mm (9.76") (HT version)
- Width of stepper motor 56.4 mm (2.22")

Connections
- Stepper motor 10-pole military connector

Weight
- P/N 30.43.050-42 2.1 kg (4.63 lbs)
- P/N 30.43.050-42-HT 2.2 kg (4.85 lb)

Mechanical Data
- Maximum rotation angle of the throttle 80°
- Chemical resistance Water, oil, gaseous fuels
- Maximum pressure 4.5 bar (65 psi)
- Maximum temperature of the medium flowing through +125 °C (+257 °F) (standard version)
  +200 °C (+392 °F) (HT version)

Climatic Environmental Conditions
- Permissible temperature range -20 °C to +85 °C (-4 °F to +185 °F)
- Maximum relative humidity 95%

Characteristics of Stepper Motor
- Resolution 0.05625° (in 1/16 microstep operation mode)
- Speed (when opening from 10% to 90%) 40 ms (VariStep3)
- Holding torque 1.7 Nm (1.25 lb-ft) (VariStep3)
Overview Drawings

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