Throttle Body with Integrated Stepper Motor

P/N 30.43.100-D, P/N 30.43.100-D-HT

Variants
- Standard diameters D of the throttle (see drawing) 60 mm (2.36”), 68 mm (2.68”)
- Possible diameters of the throttle 48 mm (1.89”) to 68 mm (2.68”)

Dimensions
- Length/width of mounting flange 111.7 mm (4.40”)
- Hole spacing on the mounting flange 75 mm (2.95”)
- Height of mounting flange 61 mm (2.40”)
- Length including stepper motor 257.9 mm (10.15”) (standard version)
  272.9 mm (10.74”) (HT version)
- Width of stepper motor 56.4 mm (2.22”)

Connections
- Stepper motor 10-pole military connector

Weight
- P/N 30.43.100-60 2.5 kg (5.51 lbs)
- P/N 30.43.100-68 2.6 kg (5.73 lbs)
- P/N 30.43.100-60-HT 2.6 kg (5.73 lbs)
- P/N 30.43.100-68-HT 2.7 kg (5.95 lbs)

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

P/N 30.43.100-D

P/N 30.43.100-D-HT