Throttle Body with Integrated Stepper Motor

P/N 30.43.140-D, P/N 30.43.140-D-HT

Variants
- Standard diameters D of the throttle (see drawing): 80 mm (3.15”), 85 mm (3.35”)
- Possible diameters of the throttle: 73 mm (2.87”) to 85 mm (3.35”)

Dimensions
- Length/width of mounting flange: 148.7 mm (5.85”)
- Hole spacing on the mounting flange: 95 mm (3.74”)
- Height of mounting flange: 76 mm (2.99”)
- Length including stepper motor: 284.9 mm (9.80”) (standard version)
  309.9 mm (12.20”) (HT version)
- Width of stepper motor: 56.4 mm (2.22”)

Connections
- Stepper motor: 10-pole military connector

Weight
- P/N 30.43.140-80: 3.7 kg (8.16 lbs)
- P/N 30.43.140-85: 3.6 kg (7.94 lbs)
- P/N 30.43.140-75-HT: 3.9 kg (8.60 lbs)
- P/N 30.43.140-80-HT: 3.8 kg (8.38 lbs)
- P/N 30.43.140-85-HT: 3.7 kg (8.16 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 30.43.140-D

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