Throttle Body with Integrated Stepper Motor

P/N 30.43.150-D, P/N 30.43.150-D-HT

Variants
- Standard diameters D of the throttle *(see drawing)*
  - 90 mm (3.54"), 100 mm (3.94")
- Possible diameters of the throttle
  - 82 mm (3.23") to 104 mm (4.09")

Dimensions
- Length/width of mounting flange
  - 148.7 mm (5.85")
- Hole spacing on the mounting flange
  - 110 mm (4.44")
- Height of mounting flange
  - 80 mm (3.15")
- Lenght including stepper motor
  - 323.2 mm (12.72") *(standard version)*
  - 348 mm (13.70") *(HT version)*
- Width of stepper motor
  - 85.9 mm (3.38")

Connections
- Stepper motor
  - 10-pole military connector

Weight
- P/N 30.43.150-90
  - 7.0 kg (15.43 lbs)
- P/N 30.43.150-100
  - 6.8 kg (14.99 lbs)
- P/N 30.43.150-90-HT
  - 7.2 kg (15.87 lbs)
- P/N 30.43.150-100-HT
  - 6.9 kg (15.21 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
  - 0.1125°
  - *(in 1/16 microstep operation mode)*
- Speed (when opening from 10% to 90%)
  - 40 ms *(VariStep3)*
- Holding torque
  - 5.4 Nm (3.98 lb-ft) *(VariStep3)*
Overview Drawings

P/N 30.43.150-D

P/N 30.43.150-D-HT