**Throttle Body with Integrated Stepper Motor**

P/N 30.43.150-D, P/N 30.43.150-D-HT, P/N 30.43.155-D, P/N 30.43.155-D-HT

**Variations**
- 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 (4.33")
- Height of mounting flange
  - 80 mm (3.15")
- Length 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, P/N 30.43.155-90
  - 7.0 kg (15.43 lbs)
- P/N 30.43.150-100, P/N 30.43.155-100
  - 6.8 kg (14.99 lbs)
- P/N 30.43.150-90-HT, P/N 30.43.155-90-HT
  - 7.2 kg (15.87 lbs)
- P/N 30.43.150-100-HT, P/N 30.43.155-100-HT
  - 6.9 kg (15.21 lbs)

**Mechanical Data**
- Maximum rotation angle of the throttle
  - 80°
- Chemical resistance
  - Water, oil, gaseous fuels
- Absolute pressure
  - 4.5 bar (65 psi)
- Maximum temperature of media 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 30.43.155-D and P/N 30.43.155-D-HT also correspond to the following drawings, but without the seal (O-ring, 116 mm x 3 mm [4.57" x 0.12"]) and the groove required for it.

P/N 30.43.150-D

P/N 30.43.150-D-HT