## Throttle Body with Integrated Stepper Motor

**P/N 30.43.200-D, P/N 30.43.200-D-HT**

### Variants
- Standard diameters $D$ of the throttle *(see drawing)*
  - 100 mm (3.94"), 110 mm (4.33"), 115 mm (4.53")
- Possible diameters of the throttle
  - 98 mm (3.86") to 125 mm (4.92")

### Dimensions
- Length/width of mounting flange
  - 179 mm (7.05")
- Hole spacing on the mounting flange
  - 126 mm (4.96")
- Height of mounting flange
  - 110 mm (4.33")
- Length including stepper motor
  - 351.85 mm (13.85") *(standard version)*
  - 376.85 mm (14.84") *(HT version)*
- Width of stepper motor
  - 85.9 mm (3.38")

### Connections
- Stepper motor
  - 10-pole military connector

### Weight
- P/N 30.43.200-100
  - 8.4 kg (15.52 lbs)
- P/N 30.43.200-110
  - 7.8 kg (17.20 lbs)
- P/N 30.43.200-115
  - 7.5 kg (16.53 lbs)
- P/N 30.43.200-100-HT
  - 8.5 kg (18.74 lbs)
- P/N 30.43.200-110-HT
  - 7.9 kg (17.42 lbs)
- P/N 30.43.200-115-HT
  - 7.6 kg (16.76 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 30.43.200-D

P/N 30.43.200-D-HT