SACER SA1140 Smart remote actuator is designed for the small displacement engine application with electronic control turbocharger, such as e-WGT, e-VG turbo. Smart rotating position feedback module and PWM interface feature provide high benefits for turbocharger effective control.

**OUR MISSION**

Our mission is to become a world leader in electronic turbo actuators for automotive aftermarket. We are committed to developing close partnerships with turbo customers, enabling them to maximize time to market, and maximize ROI.

**SMART ELECTRONIC ACTUATORS**

**ELECTRONIC TURBO ACTUATOR**

**PRODUCT RANGE**

**SPECIFICATIONS**

Motor torque output: Up to 60Ncm (25°C)
Resolution: 0.26°
Response time: <1.2ms
Rotation travel: up to 120°
Operating temperature range: -40°C to 125°C
Communication: PWM
Power input: 10.5-16V

**CAR BRANDS/MODELS:**

- **T1**
  - Mercedes A-class / B-class / C-class / E-class / CLA / GLA / GLK / Vito
  - Year range: 2007 - 2017
  - Engine: 180CDI / 200CDI / 220CDI

- **T2**
  - BMW 1 Series / 3 Series / X1 / X3
  - Year range: 2003 - 2012
  - Engine: 2.0D

- **T2**
  - BMW / Audi / VW / Mercedes-Benz / Ford
  - Year range: 2005 - 2018
  - Engine: 2.0CDI / 2.0TDI

- **T3**
  - BMW / Aud / VW / Mercedes-Benz / Goodyear
  - Year range: 2004 - 2009
  - Engine: 2.0TD

- **T1**
  - Mercedes-Benz / Audi / VW / Ford / Fiat
  - Year range: 2001 - 2017
  - Engine: TDI / 1.6 / 1.9 / 2.2 / 2.5 / 3.0 / 3.2 / 5.0

- **T4**
  - Landrover / Range Rover Sport / Discovery
  - Year range: 2008 - 2009
  - Engine: 3.0TDI / 3.0DTI

**CONTACT INFORMATION**

E-mail: sales@sacer.com.cn
Phone: +86 755 22200020
Website: www.turbosacer.com

**ADDRESS**

Address: 2/F, West Block, Building E, Longjing Industrial Park, Bu long Rd. 335, Long gang District, Shenzhen, China (518129)

**SMART ELECTRONIC ACTUATOR**

**www.turbosacer.com**
SAucer (SA) are electromechanical devices that actuate engine features, such as variable geometry (VG) and dual stage turbochargers. They also supply precise rotary position feedback to the engine control unit, which is provided by a controlled area network (CAN-protocol).

**BENEFITS**

- Compact and clean design with a single camshaft and multiple engines capable of modular mounting and packaging flexibility
- Pliable design and switch with multiple engines enable various cabin design options
- Industry-standard 1/F/1 CAN communication for replacement with the engine control unit
- Industry-standard 1/F/1 CAN communication provides enhanced security resolution

**SPECIFICATIONS**

- Peak output voltage Up to 5.0kV
- Continuous output voltage Up to 4.5kV
- Response time <120ms
- Rotation travel up to 120
- Operating temperature range -40°C to 125°C
- Communication CAN J1939
- Power input 24V
- Cooling system Water-cooling

**TYPICAL APPLICATIONS**

- For turbo application: Cummins Holset VGT turbocharger
- For Holset turbo models: HE400VG, HE451VE, HE500VG, HE561VE
- For engine models: see table.