HELLA has over 40 years of experience in the design and production of vehicle body actuators. All vehicle body actuators depend on modular tool-kit systems and standard components. They provide solutions for a wide range of applications such as locking, unlocking, and remote control of fuel doors and compartments. They are also used to open and close the radiator grill which promotes the reduction of CO₂ emissions and increases fuel efficiency. HELLA’s vehicle body actuators offer several key benefits, including durable and non-complex designs, ideal for a variety of specific applications.

ADVANTAGES
→ Compact design
→ Standard interfaces
→ Short development timing: Modular approach
→ Extensive experience in development and production for several years
→ Reduced costs and ease of assembly vs. bowden cable (fuel door application)
→ Global development and production locations: China, Germany, and India
The Universal Rotatory Actuator (URA) is used in active grill shutters to drive movable flaps. Depending on the driving situation the grille can be closed or opened by the actuator. The URA benefits from its fully integrated electronics for smart functionalities and self-diagnostics as well as its resistancy to harsh environmental conditions.

KEY FEATURES

→ True power on signal by CIPOS® (Contactless Inductive Position Sensor)
→ Integrated electronics for intelligent functionality
→ High torque, low energy consumption
→ Sleep mode < 100 µA
→ Operating angle 360°, regulated soft stops
→ Non-complex on-off version is available
→ Self-addressing

<table>
<thead>
<tr>
<th>Technical Data</th>
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<tbody>
<tr>
<td>Nominal voltage</td>
<td>12 V</td>
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<tr>
<td>Temperature range</td>
<td>-40 °C to +85 °C</td>
</tr>
<tr>
<td>Min. torque</td>
<td>1.2 Nm</td>
</tr>
<tr>
<td>Max. torque</td>
<td>boost torque up to 2 Nm</td>
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<tr>
<td>Protection</td>
<td>IP6K9</td>
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<tr>
<td>Life (cycles)</td>
<td>250,000</td>
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<tr>
<td>Approx. L x W x H</td>
<td>85 x 55 x 29 mm³</td>
</tr>
</tbody>
</table>

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