UNIVERSAL ELECTRIC ACTUATOR
HIGH PERFORMANCE - COMPACT DESIGN

Advanced Mechatronics
Smart or passive actuation

The AVENTICS best in class universal electric actuator is suitable for hot environments, including exhaust gas. The highly flexible design allows for smart or passive actuation.

A wide range of Best in Class features
- Package
- Peak and holding torque
- Operating temperature range
- Response time
- Positional accuracy

Additional characteristics
- CAN ready 250kB, 500kB, 1MB
- Hardware enabled sleep/wake modes
- Full motor operation to 60V
- Buffered battery voltage monitoring with under voltage lockout
- 12V or 24V
- On board diagnostics ready
- All components ROHS and AEC compliant

<table>
<thead>
<tr>
<th>Series</th>
<th>Universal electric actuator</th>
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</thead>
<tbody>
<tr>
<td>Torque range</td>
<td>5 Nm to 50 Nm</td>
</tr>
<tr>
<td>Temperature range</td>
<td>-40°C to +150°C</td>
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<tr>
<td>Actuation shutdown</td>
<td>@ 150°C</td>
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<tr>
<td>Actuation restart</td>
<td>@ 140°C</td>
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<tr>
<td>Actuation communication</td>
<td>@ 170°C</td>
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<tr>
<td>Actuation storage</td>
<td>-55°C to +175°C</td>
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<tr>
<td>µP &amp; driver IC</td>
<td>5.5V to 60V</td>
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<tr>
<td>ESD protection</td>
<td>30kV contact discharge</td>
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<tr>
<td></td>
<td>30kV air discharge</td>
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</tbody>
</table>

ON/OFF, PWM or CAN controlled
- Smart or passive actuation
- Best in class performance
- Suitable for hot environments, including exhaust gas
- Compact design and configurable up to 50 Nm torque levels
- Flexible customer interface for integrated or remote applications

AVENTICS Corporation
1953 Mercer Road, Lexington, KY 40511
www.aventics.com/us info.us@aventics.com
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