Smart or passive actuation

The AVENTICS best in class universal electric actuator is suitable for extreme environments; however very suitable for normal environments. The highly flexible design allows for both active or passive actuation.

A wide range of Best in Class features
- Radial actuation
- Highest output torque & accuracy
- Positional control
- Integrated gear box
- Unlimited radial & linear positional control
- Operating temperature

Applications in
- Factory automation
- Food & beverage, processing and packaging
- Material handling
- Energy, oil & gas
- Converting, printing and web handling
- Automotive, etc.

Additional characteristics
- Multiple connections (TE, Molex, WAGO, AMP, G&H, Deutsch, etc.)
- Communications protocol (CAN, PWM analog, etc.)
- Output shaft coupling
- Buffered battery voltage monitoring with under voltage lockout
- 12V or 24V ready
- Power cycle calibration
- On board diagnostics and feedback
- BLDC or PMDC motor technology
- Field programmable/addressable
- NEMA 23 or 34 attachment, compliance
- IP50, IP67, IP69

<table>
<thead>
<tr>
<th>Series</th>
<th>Universal electric actuator</th>
</tr>
</thead>
<tbody>
<tr>
<td>Torque range</td>
<td>5 Nm to 50 Nm (3.69 to 36.9 ft lbf)</td>
</tr>
<tr>
<td>Temp. range, operating</td>
<td>-40°C to +150°C (-40°F to +302°F)</td>
</tr>
<tr>
<td>Temperature range, storage</td>
<td>-55°C to +170°C (-67°F to +338°F)</td>
</tr>
<tr>
<td>Actuation shutdown</td>
<td>@ 150°C (302°F)</td>
</tr>
<tr>
<td>Actuation restart following shutdown:</td>
<td>@ 140°C (284°F)</td>
</tr>
<tr>
<td>Actuation communication shutdown:</td>
<td>@ 170°C (338°F)</td>
</tr>
<tr>
<td>μP &amp; driver IC</td>
<td>5.5V to 60V</td>
</tr>
<tr>
<td>Positional accuracy</td>
<td>radial &lt;0.5° linear &lt; 0.010”</td>
</tr>
<tr>
<td>ESD protection</td>
<td>30kV contact discharge 30kV air discharge</td>
</tr>
</tbody>
</table>

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- ON/OFF, PWM or CAN controlled
- Passive or smart actuation
- Best in class performance
- Suitable for extreme environments
- Compact design and configurable up to 50 Nm torque levels
- Flexible customer interface for integrated or remote applications