GPS Actuator

By Bernard Controls

The best way to find your electric actuation solution

Cx : Corrosion standard

In addition to weatherproofness level which determines actuator enclosure protection, corrosion level specifies painting type of the actuator. Corrosion level is defined in ISO12944-2 standard and goes from C2 (weak) to C4 (high) and C5 (very high, either C5-I for Industrial areas with high humidity and aggressive atmospheres or C5-M for marine/coastal areas with high salinity).

Environmental corrosion categories

<table>
<thead>
<tr>
<th>Corrosion category</th>
<th>Typical environments</th>
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</thead>
<tbody>
<tr>
<td>C2 (low)</td>
<td>Atmospheres with low level of pollution. Mostly rural areas.</td>
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<tr>
<td></td>
<td>Unheated buildings where condensation may occur, e.g. depots, sport halls.</td>
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</tbody>
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<table>
<thead>
<tr>
<th>Level</th>
<th>Description</th>
<th>Examples</th>
</tr>
</thead>
<tbody>
<tr>
<td>C3 (medium)</td>
<td>Urban and industrial atmospheres, moderate sulphur dioxide pollution. Coastal areas with low salinity.</td>
<td>Production rooms with high humidity and some air pollution, e.g. food-processing plants, laundries, breweries.</td>
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<tr>
<td>C4 (high)</td>
<td>Industrial areas and coastal areas with moderate salinity.</td>
<td>Chemical plants, swimming pools, coastal shipyards.</td>
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<tr>
<td>C5-I (very high-industrial)</td>
<td>Industrial areas with high humidity and aggressive atmosphere.</td>
<td>Buildings or areas with almost permanent condensation and with high pollution.</td>
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<tr>
<td>C5-M (very high-marine)</td>
<td>Coastal and offshore areas with high salinity.</td>
<td>Buildings or areas with almost permanent condensation and with high pollution.</td>
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