

Notice of Specification Change Regarding Degree of Protection

[Target Products]

Sealed Vibration Sensors/Tilt Sensors・D7E series
< Refer to the " [Details of applicable model] " . >

[Effective Date]

Effective as of our factory shipment in November, 2023.

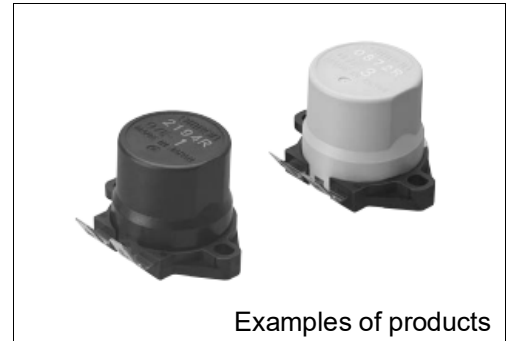
[Reason for change]

Changes to our quality control

[Change of products specification]

Product specifications submitted to customers need to be replaced.

[Changes]



| Before the change | After the change | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
|--|---|---|--|----------------------|------|--|-----------------------|---|--|---------------------|---|---|--------------------|------------|--|---------------------|-----------------------------|--|--|----------------------------|---|--|----------------------|------|--|-----------------------|---|--|---------------------|---|---|--------------------|------------|--|---------------------|-----------------------------|--|
| <p>We conducted an IP67 test as a test to confirm the ability of the Degree of Protection of the basic specifications.</p> <ul style="list-style-type: none"> Contents of IP performance in the data sheet Changes: Notes *2 on "Degree of Protection" in "Basic specifications" of "Performance" <table border="1"> <tr> <td>Electrical life expectancy</td> <td colspan="2">4,000 operations (at 10 to 20 operations/min with resistive load of 100 mA at 30 VDC)</td> </tr> <tr> <td>Degree of protection</td> <td colspan="2">IP67</td> </tr> <tr> <td>Operating temperature</td> <td colspan="2">-25 to 60°C (with no icing or condensation)</td> </tr> <tr> <td>Storage temperature</td> <td>-25 to 60°C (with no icing or condensation)</td> <td>-25 to 70°C (with no icing or condensation)</td> </tr> <tr> <td>Operating humidity</td> <td colspan="2">45% to 95%</td> </tr> <tr> <td>Dielectric strength</td> <td colspan="2">250 VAC, 50/60 Hz for 1 min</td> </tr> </table> <p>*2 The degree of protection confirms that this product has undergone and passed an IP67 test conducted in OMRON's laboratory under controlled conditions, in accordance with the test methods of the following standards. IEC 60529 and JIS C0920 Due to the product structure, this inspection of the degree of protection does not guarantee the product's compliance with IP67.</p> | Electrical life expectancy | 4,000 operations (at 10 to 20 operations/min with resistive load of 100 mA at 30 VDC) | | Degree of protection | IP67 | | Operating temperature | -25 to 60°C (with no icing or condensation) | | Storage temperature | -25 to 60°C (with no icing or condensation) | -25 to 70°C (with no icing or condensation) | Operating humidity | 45% to 95% | | Dielectric strength | 250 VAC, 50/60 Hz for 1 min | | <p>We will change the ability confirmation test of the protection structure of the basic specification to IP65 test.</p> <ul style="list-style-type: none"> Contents of IP performance in the data sheet (Changes are shown in red.) <table border="1"> <tr> <td>Electrical life expectancy</td> <td colspan="2">5,000 operations (at 10 to 20 operations/min with resistive load of 100 mA at 30 VDC)</td> </tr> <tr> <td>Degree of protection</td> <td colspan="2">IP65</td> </tr> <tr> <td>Operating temperature</td> <td colspan="2">-25 to 60°C (with no icing or condensation)</td> </tr> <tr> <td>Storage temperature</td> <td>-25 to 60°C (with no icing or condensation)</td> <td>-25 to 70°C (with no icing or condensation)</td> </tr> <tr> <td>Operating humidity</td> <td colspan="2">45% to 95%</td> </tr> <tr> <td>Dielectric strength</td> <td colspan="2">250 VAC, 50/60 Hz for 1 min</td> </tr> </table> <p>*2 The degree of protection confirms that this product has undergone and passed an IP65 test conducted in OMRON's laboratory under controlled conditions in OMRON, in accordance with the test methods of the following standards. IEC 60529 and JIS C0920 Due to the product structure, this inspection of the degree of protection does not guarantee the product's compliance with IP65.</p> | Electrical life expectancy | 5,000 operations (at 10 to 20 operations/min with resistive load of 100 mA at 30 VDC) | | Degree of protection | IP65 | | Operating temperature | -25 to 60°C (with no icing or condensation) | | Storage temperature | -25 to 60°C (with no icing or condensation) | -25 to 70°C (with no icing or condensation) | Operating humidity | 45% to 95% | | Dielectric strength | 250 VAC, 50/60 Hz for 1 min | |
| Electrical life expectancy | 4,000 operations (at 10 to 20 operations/min with resistive load of 100 mA at 30 VDC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP67 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating temperature | -25 to 60°C (with no icing or condensation) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage temperature | -25 to 60°C (with no icing or condensation) | -25 to 70°C (with no icing or condensation) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating humidity | 45% to 95% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dielectric strength | 250 VAC, 50/60 Hz for 1 min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Electrical life expectancy | 5,000 operations (at 10 to 20 operations/min with resistive load of 100 mA at 30 VDC) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Degree of protection | IP65 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating temperature | -25 to 60°C (with no icing or condensation) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Storage temperature | -25 to 60°C (with no icing or condensation) | -25 to 70°C (with no icing or condensation) | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Operating humidity | 45% to 95% | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| Dielectric strength | 250 VAC, 50/60 Hz for 1 min | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |

[Details of applicable model]

| Models / Specification |
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| D7E-1 |
| D7E-2 |
| D7E-3 |
| D7E-5 |
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| Models / Specification |
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Specifications in this product news are as of the issue date and are subject to change without notice.
Only main changes in specifications are described in this document. Please be sure to read the relevant catalogs, datasheets, product specifications, instructions, and manuals for precautions and necessary information when using products.