
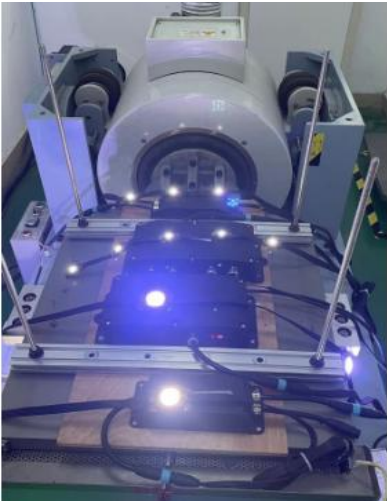


Product Verification and Reliability Report





Product: Exterior AC/DC-Feeder

Date: 2025-9-4



Test performed	Condition	Duration	Test lab	Result
<p>IK Class Test -Verification of protection against external mechanical impacts</p> 	<p>EN62262, IK-08</p>	<p>N/A</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Application Vibration Test -Verification of protection against transportation and installation vibration</p> 	<p>Sinusoidal vibration test acc. to IEC 60068-2-6</p> <p>Random vibration acc. to IEC 60068-2-64.</p> <p>ANSI C136-31 ((Bridge & Overpass Applications 3g)</p> <p>Fixture powered during the test.</p>	<p>3 x 30 mins.</p> <p>3 x 30 mins.</p> <p>3 x 30 mins.</p>	<p>Martin Professional</p>	<p>Pass</p>

<p>IP Class Test - Verification of protection against intrusion of dust and water</p> 	<p>IP66 according to IEC/EN60529</p>	<p>8h /3 mins.</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Salt Mist Test – Verification of corrosion resistance of materials and surface coatings</p> 	<p>Neutral Salt Spray test, 5%, 35°C, ASTM B117/ ISO 9227, EN 12944-6, C5-H</p>	<p>1440 hours</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Surge / Transient Test -Surge immunity from power switches and lightning.</p> 	<p>EN61000-4-5 / Class 4, 4kV</p>	<p>N/A</p>	<p>NTEK</p>	<p>Pass</p>

<p>Packing drop Test - Verification of products and packing strength</p> 	<p>ISTA 3A, 9+8 drops</p>	<p>N/A</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Wind load Test - Wind load simulation.</p> 	<p>Tested according to EN60598-2-5</p> <p>Static load simulating 60 m/sec. (216 km/h) wind force without causing failure or permanent set to mount bracket</p>	<p>10 mins.</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Operation Temperature Test - -30 °C to +55 °C during operation</p> 	<p>Tested to ambient temperature Ta (min/max): -30 °C to +55 °C (Above specified temperature range, the fixture regulates output to protect from overheating)</p>	<p>24h</p>	<p>Martin Professional</p>	<p>Pass</p>
<p>Cyclic Temperature Test - - Verification of robustness against rapid ambient temperature changes</p> 	<p>-30 °C to +55 °C</p>	<p>35 Cycles</p>	<p>Martin Professional</p>	<p>Pass</p>

Outdoor Lifetime Test - Verification of product lifetime in the outdoor environment



Power on 24h/7d in the outdoor weathering with water sprinkler system activated one hour every sunny day

10000 hours

Martin Professional

Pass

Report prepared and verified by:

Justin XU, System Engineer

Department:

Martin Professional, R&D, Test and Validation

Date:

2025-9-4

Revision:

A