


Declaration of Conformity

The Declaration of Conformity is issued under the sole responsibility of the manufacturer

Issuer :	Smart Boat Ltd 9 Heenan Close Frimley Green Surrey GU16 6NQ United Kingdom	Photograph 
Product	Smart Wiring Link Bar LB-50-4 & LB-120-10	These are passive units that facilitate the interconnection of low voltage circuits. They are rated at 20A max per channel. There are 2 variants – 50mm & 120mm long models.

We declare that the products described above, to which the declaration of conformity refers to, is in conformity with the essential requirements of the following legislation:

- RoHS Directive (2011/65/EU)

Through the technical standards/specifications specified below:

- EN IEC 63000:2018
- IEC 62321 Series
- EN 62474

Signed for and on behalf of

Company Name : Smart Boat Ltd
Place of issue : Address as above
Date of issue : 16th June 2024
Name & title : Robin Saunders. General Manager
Signature :

Technical Documentation

Product	Smart Wiring Link Bar						
General Description	These are passive units that facilitate the interconnection of low voltage circuits. They are rated at 20A max per channel. There are 2 variants – 50mm & 120mm long models.						
Conceptual Design	To design & build a module that simplifies and professionalise low voltage wiring configurations. This should follow the overall design philosophy of the Smart Boat Eco system and ensure that as many as possible of the components are reuseable throughout the Smart Boat range.						
Where Designed	Yew Tree Cottage, Hornblotten, Shepton Mallet, Somerset, BA4 6SF						
Where Manufactured	<p>Assembled At :</p> <ul style="list-style-type: none"> - Yew Tree Cottage, Hornblotten, Shepton Mallet, Somerset, BA4 6SF <p>Components Manufactured By :</p> <ul style="list-style-type: none"> - Smart Boat Ltd & other 3D Printing Suppliers using standard PLA/ABS. - Various UK & Chinese companies 						
Evidence of Compliance	<p>Passive device – therefore EMC conformity not required</p> <p><50volts – therefore Low Voltage conformity not required</p> <p>Material used exclude restricted items – therefore conformity with RoHS 2011/65/EU achieved.</p>						
Supplier Compliance	RoHS certificate available for PLA & ABS filament (Sunlu or Geeetech) and PCB (UK Electronics) on request						
Technical Standards	<p>EN IEC 63000:2018</p> <p>IEC 62321 Series</p> <p>EN 62474</p>						
Notified Body	None – Self Assessed						
Risk Assessment	See Risk Assessment RS24002						
List of Parts	<table style="width: 100%; border: none;"> <tr> <td style="width: 50%;">Linkbar Base</td> <td style="width: 50%;">LinkBar Subcover</td> </tr> <tr> <td>LinkBar Cover</td> <td>LinkBar PCB</td> </tr> <tr> <td colspan="2">Various Stainless Steel (A2) Fixings</td> </tr> </table>	Linkbar Base	LinkBar Subcover	LinkBar Cover	LinkBar PCB	Various Stainless Steel (A2) Fixings	
Linkbar Base	LinkBar Subcover						
LinkBar Cover	LinkBar PCB						
Various Stainless Steel (A2) Fixings							
Instructions for Use	Installation Instructions available on request.						
Bill of materials	Full BoM available on request						

Risk Assessment Summary

Risk Assessment : RS24002

Product	Smart Wiring Link Bars
Product Description	These are passive units that facilitate the interconnection of low voltage circuits. They are rated at 20A max per channel. There are 2 variants – 50mm & 120mm long models.
Product design and manufacturing processes.	<ul style="list-style-type: none"> - Designed by Smart Boat Ltd staff in-house - Base and covers 3D printed in house & other 3D Printing Suppliers using standard PLA/ABS. - Fixings, Fork Bars and PCB bought in - Final product assembled in-house
Bills of materials and components lists.	- See Technical Documentation
Supplier declarations and material composition data.	- See Technical Documentation
Test reports and certificates of compliance for hazardous substances.	- Not applicable – Self declaration
Risk Analysis and Mitigation:	
Complexity of the supply chain	- Smart Boat Ltd has established that there are many wholesalers that can provide the same manufacturer’s raw materials and other components.
Historical compliance performance of suppliers.	- We have insufficient knowledge about the company’s suppliers as we are in the early stages of production – this needs to be monitored over the coming months.
Potential mitigation measures:	
Substituting non-compliant materials with RoHS-compliant alternatives.	- N/A All materials are compliant.
Enhancing supplier quality controls and monitoring.	<ul style="list-style-type: none"> - This is out of our sphere of influence given the size of our business. - Discussions with our suppliers indicate that they have excellent working practices in line with industry norms. - The alternative is to make sure that we continue to seek and work with reputable suppliers.
Regularly updating and reviewing technical documentation.	- Risk assessment to be revisited whenever there is a relevant change to the product or every 12 months.

Date Assessment undertaken : 16th June, 2024

Assessment undertaken by : Robin Saunders

