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 Terminal Block 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 Terminal Block	
General	These are passive units that facilitate the interconnection of low voltage	
Description	circuits. They are rated at 20A max per channel. There are 2 variants –	
	50mm & 120mm long models.	
Conceptual	To design & build a module that simplifies and professionalise low voltage	
Design	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	Yew Tree Cottage, Hornblotten, Shepton Mallet, Somerset, BA4 6SF	
Designed		
Where	Assembled At:	
Manufactured	- Yew Tree Cottage, Hornblotten, Shepton Mallet, Somerset, BA4 6SF	
	Components Manufactured By :	
	- Smart Boat Ltd & other 3D Printing Suppliers using standard PLA/ABS.	
	- Various UK & Chinese companies	
Evidence of	Passive device – therefore EMC conformity not required	
Compliance	FO alto the office to Malter and fourth and are the d	
	<50volts – therefore Low Voltage conformity not required	
	Material used exclude restricted items – therefore conformity with RoHS	
	2011/65/EU achieved.	
	2011/05/20 defileved.	
Supplier	RoHS certificate available for PLA & ABS filament (Sunlu or Geeetech) and PCB	
Compliance	(UK Electronics) on request	
,		
Technical	EN IEC 63000:2018	
Standards	IEC 62321 Series	
	EN 62474	
Notified Body	None – Self Assessed	
Risk	See Risk Assessment RS24002	
Assessment		
List of Parts	Linkbar Base LinkBar Subcover	
	LinkBar Cover LinkBar PCB	
	Various Stainless Steel (A2) Fixings	
Instructions for	Installation Instructions available on request.	
Use	5 110 00 1111	
Bill of materials	Full BoM available on request	

Risk Assessment Summary

Risk Assessment: RS24002

Product	Smart Wiring Terminal Block
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	- Designed by Smart Boat Ltd staff in-house
manufacturing	- Base and covers 3D printed in house & other 3D Printing Suppliers
processes.	using standard PLA/ABS.
p. occosos.	- Fixings, Fork Link Bars and PCB bought in
	- Final product assembled in-house
Bills of materials and	- See Technical Documentation
components lists.	
Supplier declarations	- See Technical Documentation
and material	
composition data.	
Test reports and	- Not applicable – Self declaration
certificates of	
compliance for	
hazardous substances.	
Risk Analysis and	
Mitigation:	
Complexity of the	- Smart Boat Ltd has established that there are many wholesalers that
supply chain	can provide the same manufacturer's raw materials and other
	components.
Historical compliance	- We have insufficient knowledge about the company's suppliers as we
performance of	are in the early stages of production – this needs to be monitored over
suppliers.	the coming months.
Potential mitigation	
measures:	
Substituting non-	- N/A All materials are compliant.
compliant materials	
with RoHS-compliant	
alternatives.	This is not of a consultant of influence of a classification.
Enhancing supplier	- This is out of our sphere of influence given the size of our business.
quality controls and	- Discussions with our suppliers indicate that they have excellent
monitoring.	working practices in line with industry norms.
	- The alternative is to make sure that we continue to seek and work
Pogularly undating and	with reputable suppliers.
Regularly updating and reviewing technical	- Risk assessment to be revisited whenever there is a relevant change to the product or every 12 months.
documentation.	to the product of every 12 months.
uocumentation.	

Date Assessment undertaken: 16th June, 2024

Assessment undertaken by: Robin Saunders