



# Design Appraisal Document

Lloyd's Register EMEA  
Hamburg Technical Support Office  
Überseeallee 10  
20457 Hamburg  
Telephone +49 (0)40 34 97 00 10-100  
E-mail: hamburg-technical-support@lr.org

Date  
**19 December 2019**

Please quote this reference number on all future communications  
**HPC 1962099/39237-19/TW/AC**

**THE LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 2017  
ISSUED TO: HIRSCHMANN AUTOMATION AND CONTROL GMBH  
FOR: INDUSTRIAL ETHERNET BOBCAT RAIL SWITCH TYPE BRS  
INTERIM TYPE APPROVAL LETTER; REF.: HPC1962099/39237-19/TW**

The undernoted documents have been reviewed for compliance with the requirements of the Lloyd's Register's Type Approval System Procedure TA14 and this Design Appraisal Document forms part of the Certificate.

## APPROVAL DOCUMENTATION

Unnumbered	Type Approval Application Checklist	18.07.2019
HPC 1962099/38660-19/TW/KW	Request for Marine Services – Type Approval	17.10.2019
942 170-999	Document overview: BRS BOBCAT Family (Step 1 Variants) incl. documentation listed therein	23.08.2019
HPC 1962099	Production Quality Assessment report	Rev. 1v1 27.11.2019



Thorsten Wolff  
Hamburg Technical Support Office  
Lloyd's Register EMEA

Thorsten Wolff  
Senior Specialist  
Electrotechnical Systems  
Hamburg Technical Support Office  
Lloyd's Register EMEA  
T +49 (0)40 34970010-267  
E thorsten.wolff@lr.org

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

Lloyd's Register EMEA  
Is a member of Lloyd's Register group

Lloyd's Register Group Limited, its affiliates and subsidiaries and their respective officers, employees or agents are, individually and collectively, referred to in this clause as 'Lloyd's Register'. Lloyd's Register assumes no responsibility and shall not be liable to any person for any loss, damage or expense caused by reliance on the information or advice in this document or howsoever provided, unless that person has signed a contract with the relevant Lloyd's Register entity for the provision of this information or advice and in that case any responsibility or liability is exclusively on the terms and conditions set out in that contract.

Lloyd's Register EMEA  
Hamburg Technical Support Office  
Überseeallee 10  
20457 Hamburg  
Telephone +49 (0)40 34 97 00 10-100  
E-mail: hamburg-technical-support@lr.org

Date  
**19 December 2019**

Please quote this reference number on all future communications  
**HPC 1962099/39237-19/TW/AC**

### **Supplementary Type Approval Terms and Conditions**

*Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.*

*Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules and Regulations are complied with.*

*Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations.*

*Lloyd's Register EMEA reserves the right to cancel or withdraw this Type Approval Certificate in accordance with the LR Type Approval System Procedure.*

FINAL ACCEPTANCE OF ACTUAL ITEM(S) DEPEND(S) ON SATISFACTORY SURVEY AND TESTING

Lloyd's Register EMEA  
Is a member of Lloyd's Register group