

DET NORSKE VERITAS

Certificate No OSL-11-4302

PRODUCT CERTIFICATE

| Manufacturer: | | SKIPPER Electronics AS | | | | |
|---|--|--|--|---|----------------------|------------------------|
| Manufacturer's order No.: Purchaser: | | 74843 Consilium Marine & Safty AB 402 76 Gøteborg Sverige | | | | |
| | | | | | | Purchaser's order No.: |
| The product is intended for | | | | | | |
| Yard: | | (TBD) | | | | |
| Yard No.: | | | | | | |
| Name of vessel: | | 66 | " | | | |
| DNV Id. No.: | | P261.10 | | | | |
| THIS IS TO CERTIFY: | | | | | | |
| that the product: | | Botton | n Penetratio | on for Echo Sounder. | Sonar or Log | |
| Type designation: | | SB-60- ETNSJ | SB-60-SA, DB-60-SA, SB-100-SBX_, DB100-SB, ETNSJB/ETNSLB-100mm | | | |
| The | | | e gate valve may be used in conjunction with installation of eed log or echo sounder 002 | | | |
| | | | | | | |
| Has been built and tested in ac | cordance with the relev | ant requi | rements of: | | | |
| | ccordance with the relev | ant requi ⊠ HS | | ☐ Naval | ⊠ Offshore | |
| Has been built and tested in ac DNV Rules for Classification: | Ships ○ Other standards: | | | ☐ Naval | ⊠ Offshore | |
| DNV Rules for Classification: Remarks (if more than one line) The product was marked: NV-O This field is only to be filled in who Manufacturing Survey Arrangeme The undersigned manufacturer de been built and tested in accordant | Ships Other standards: , use page 2): SL-11-4302 en the certification is based on int (MSA). ceclares that the product/system ce with the specification/standards. | A has | LC On: Gate V a | Nve ertificate is only valid w | | |
| DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O This field is only to be filled in who Manufacturing Survey Arrangeme The undersigned manufacturer de | Ships Other standards: , use page 2): SL-11-4302 In the certification is based on the (MSA). In the certification is based on the the specification/standarderered to in the specification/standarderered to in the sangement No: R-1948 | a has | On: Gate Va | Nve ertificate is only valid w | | |
| DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O This field is only to be filled in whe Manufacturing Survey Arrangeme The undersigned manufacturer de been built and tested in accordance stated above and the conditions re Manufacturing Survey Arra | Ships Other standards: , use page 2): SL-11-4302 In the certification is based on the (MSA). In the certification is based on the the specification/standarderered to in the specification/standarderered to in the sangement No: R-1948 | a has | On: Gate Va | Nve ertificate is only valid w | hen signed by a DNV | |
| DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O This field is only to be filled in whe Manufacturing Survey Arrangeme The undersigned manufacturer de been built and tested in accordance stated above and the conditions re Manufacturing Survey Arra Quality System Certificate | Ships Other standards: , use page 2): SL-11-4302 In the certification is based on the (MSA). In the certification is based on the the specification/standarderered to in the specification/standarderered to in the sangement No: R-1948 | a has | On: Gate Va | ulve ertificate is only valid w or. | hen signed by a DNV | |
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| DNV Rules for Classification: Remarks (if more than one line The product was marked: NV-O This field is only to be filled in whe Manufacturing Survey Arrangeme The undersigned manufacturer debeen built and tested in accordant stated above and the conditions of Manufacturing Survey Arra Quality System Certificate For Manufacturer: Place: Oslo Date: 28.01.2011 | Ships Other standards: , use page 2): SL-11-4302 In the certification is based on the (MSA). In the certification is based on the the specification/standarderered to in the specification/standarderered to in the sangement No: R-1948 | a has | On: Gate Va This Ce surveyo | ulve ertificate is only valid w or. | hen signed by a DNV | |

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| Technical data: | | | | | | |
|---|--|--|--|--|--|--|
| Remarks: The valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to 5 bar. Holding time 5 minutes. | | | | | | |
| Marking and certificate numbers for the different parts: | | | | | | |
| Drawings with dates of approval and/or type approval certificate number: DNV S-6000 | | | | | | |
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