

DET NORSKE VERITAS

PRODUCT CERTIFICATE

Manufacturer:	SKIPPER Electronics AS
Manufacturer's order No.:	77265
Purchaser:	SAM Electronics GmbH Friensweg 22763 Hamburg Germany
Purchaser's order No.:	
The product is intended for	
Yard:	(TBD)
Yard No.:	
Name of vessel:	44 39
DNV ld. No.:	P261.1C
THIS IS TO CERTIFY:	
that the product:	Bottom Penetration for Echo Sounder, Sonar or Log
mat me product.	
Type designation:	SB-60-SA, DB-60-SA, SB-100-LAX_, DB-100-SB, ETNSJB/ETNSLB-100mm
Intended purpose:	The gate valve may be used in conjunction with installation of speed log or echo sounder
Serial No(s):	11233
Hac been built and tested in accordance to	with the relevant requirements of:
Has been built and tested in accordance of DNV Rules for Classification:	
DNV Rules for Classification:	
DNV Rules for Classification: Ships Other	s ⊠ HSLC □ Naval ⊠ Offshore r standards:
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DNV Rules for Classification: Ships Other	S Naval ☑ Offshore r standards: 2):
DNV Rules for Classification: Ships Other Remarks (if more than one line, use page	HSLC Naval Offshore r standards: 2): 33 On: Gate Valve
DNV Rules for Classification: Ships Other Remarks (if more than one line, use page The product was marked: NV-OSL-11-453 This field is only to be filled in when the certific Manufacturing Survey Arrangement (MSA). The undersigned manufacturer declares that the	HSLC Naval Offshore r standards: 2 2): 33 On: Gate Valve ation is based on a This Certificate is only valid when signed by a DNV surveyor.
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Certificate No OSL-11-4533

Technical data:	
emarks: he valve housing has been subjected to a hydrostatic pressure test, and the valve assembly to a seat leakage test to bar. Holding time 5 minutes.	
arking and certificate numbers for the different parts:	
rawings with dates of approval and/or type approval certificate number: NV S-6000	

DET NORSKE VERITAS AS, Veritasveien 1, NO-1322 Høvik, Norway, Tel.: +47 67 57 99 00, Fax: +47 67 57 99 11, Org.No. NO 945 748 931 MVA www.dnv.com Form No.: 20.92a Issue: October 2010