

DET NORSKE VERITAS

PRODUCT CERTIFICATE

		CKIDDEI	P Electronics AS			
Manufacturer: Manufacturer's order No.:		SKIPPER Electronics AS 77999				
		L-3 Communications Valmarine AS 3027 DRAMMEN NORWAY				
Purchaser: Purchaser's order No.:		L-3 Communications valuatine AS 3027 DRAWINEN NORWAY				
Fulchasers order No		***************************************				
The product is intended for						
Yard:		(TBD)				
Yard No.:						
Name of vessel: DNV ld. No.:		" " P261.1C				
						THIS IS TO CERTIFY:
that the product:		Bottom Penetration for Echo Sounder, Sonar or Log				
Type designation:			SB-60-LA_X_, DB-60-SA, SB-100-SB, DB-100-SB, ETNSJB/ETNSLB-100mm			
Intended purpose:		speed lo	The gate valve may be used in conjunction with installation of speed log or echo sounder			
Serial No(s):		11225				
Has been built and tested in a	ccordance with the	relevant requir	ements of:			
DNV Rules for Classification:	☑ Ships	☐ Naval ☐ Offshore				
	Chan should					
	Other standa	iras:				
Remarks (if more than one line		aras:				
	e, use page 2):		On: Gate Valve			
The product was marked: NV-C This field is only to be filled in what Manufacturing Survey Arrangem	e, use page 2): OSL-11-4525 Then the certification is basent (MSA).	ased on a		is only valid	when signed by a DNV	
The product was marked: NV-C	e, use page 2): OSL-11-4525 Then the certification is basent (MSA). Ideclares that the product nice with the specification referred to in rangement No: R-1	ased on a Vsystem has n/standard	This Certificate surveyor.	·		
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Manufacturing Survey Arrangem The undersigned manufacturer of been built and tested in accordant stated above and the conditions Manufacturing Survey Arrangem Quality System Certificate For Manufacturer: Place: Oslo Date: 29.06.2011	e, use page 2): OSL-11-4525 Then the certification is basent (MSA). Ideclares that the product nice with the specification referred to in rangement No: R-1	ased on a Vsystem has n/standard	This Certificate surveyor. Flace: Høvik	For Det Nors ł	rik Broch OSLO	

Certificate No OSL-11-4525

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

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