



Certificate No.

03-001821/031494 rev.1

TYPE APPROVAL CERTIFICATE

This is to certify that this product complies with the Rules for the classification of ships, Part 1 - General requirements, Chapter 3 - Type approval of products.

TYPE AND DESCRIPTION OF PRODUCT:

ELECTRONIC VESSEL CONTROL SYSTEM – EVC 2.0

PCU	Powertrain Control Unit	IGW	Information Gateway
HCU	Helm Control Unit	PFM	Power Feed Module
SUS	Steering Unit Servo	SDM	Shutdown Module
HLU	Helm Lever Unit	IRS	Independent Rudder System
AKI	Analog Key Interface	VMM	Vessel Main Module
EKS	Electronic Key System	SU	Steering Unit
AD	Alarm Display 7"		Joystick
SG	Steering Gear Display 7"		EVC Color Display 7"
	Info Display 2,5"		

MANUFACTURER:

AB Volvo Penta
SE 405 08 Göteborg
SWEDEN

THE PRODUCT MEETS FOLLOWING RULES/REGULATIONS:

Croatian Register of Shipping: Rules for the classification of ships,
Part 9. – Machinery, Part 13. – Automation

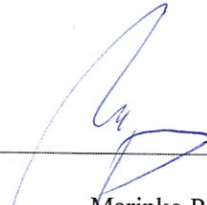
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FURTHER DETAILS OF THE PRODUCT AND CONDITIONS FOR CERTIFICATION ARE GIVEN OVERLEAF.

APPROVAL IS VALID UNTIL: 2025-07-06

Place and date: Split, 2023-01-26




 Marinko Popović, dipl.ing

NOTE: This certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested. The manufacturer should notify Croatian Register of Shipping of any modification or changes to the product in order to obtain a valid certificate.

DETAILED PRODUCT DESCRIPTION:

Electronic Vessel Control System EVC 2.0 (EVC2) without electronic steering is a complete vessel control and monitoring system for engine and transmission.

EVC2 system is comprised of following components:

Item	Part Number (HW / SW)
PCU	
Powertrain Control Unit (PCU)	23030397 / 24346547
HCU	
Helm Control Unit (HCU) Stand alone, Twin	23002230 / 24344071
Control lever with integrated HCU units, Twin, Top Mounted	23070862
Control lever with integrated HCU units, Single, Top Mounted	23002239
HLU – Control Levers	
Control lever (HLU) Heavy duty control - twin, IB/IPS/IS	23794477
Control lever (HLU) Heavy duty control - twin, IB/IPS	23794338
Joystick	
Joystick deluxe IPS	24010851
Joystick HD	
Joystick deluxe IPS (Heavy Duty Controls)	24010847
EKS	
Electronic Key System, Twin (EKS)(IP67)	22499608
Analog Key Interface (AKI)	21656937
SUS	
Servo Unit Steering (SUS20)	24075784 / 24170472
Servo Unit Steering (SUS10)	24074622 / 24170400
Steering Wheel	
Steering Unit (SU) , twin	23362099
VMM	
VMM vessel main module	23308671 / 24351895
Display	
EVC Color Display 7" (IP67)	24252970
Alarm Display 7" (AD) (IP67)	24242941
Steering Gear Display 7" (SG)(IP67)	23874099
Info display 2,5"	22480957
Misc	
Generic Button Panel	22480958
Information Gateway (IGW)	24279592
Independent rudder angle sensor (IRS)	24119784
Power Feed Module (PFM)	21379671
Autopilot Gateway	3889760
IRS Display 3,5" XDi96	23834725
A-CAN interface	23834745

APPLICATION / LIMITATIONS:

System is applicable to the following engine range – **D8/D11/D13/D16**

Approved installation type is IPS or inboard in twin, triple or quad engine configuration.