

## Company Name Details

Company Information	Additional Company / Plant Detail	Confirmation of Type Approval
SCHNEIDER ELECTRIC FRANCE		17-GE1585769-PDA
SITE HORIZON		
8 EME RUE - 70 METRES		
ZI DE CARROS		
06516		
France		
Tel +33 492 08 8181		
Fax +33 497 23 1509		
Email: elisabeth.moutou@schneider- electric.com		
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Certificate Number	Category	Expiry Date
16-3086171-PQA	PQA	16/FEB/2021
16-MS3086171	RQS	16/FEB/2021

<b>Product</b>	Automation, Modular I/O System
<b>Model</b>	Advantys STB (Modules and Accessories as per attached "pdf" file)

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<b>Intended Service</b>	Automatic, Remote Control and Monitoring of Propulsion (manned and unmanned) and Non-Propulsion Systems (ACC, ACCU, AMS), Security Systems, Electrical Control including Emergency Electrical Systems, use in Class I and II, Division 2 and Class III Divisions 1 and 2 Hazardous (Classified) Locations and Non-Hazardous (ordinary) Locations.
<b>Description</b>	Modular I/O System. The Advantys System is composed of multiple modules which connect together to form an Input/Output network from programmable control systems. The modules are programmable controllers.
<b>Ratings</b>	Volts: 24VDC; Max Ambient Temperature: 60 °C Enclosure: IP20
<b>Service Restrictions</b>	Unit certification is not required for Category I services. Unit certification is required by the user to customize this equipment where it is used for Category II or III services in accordance with 4-9-3/Table 1 and Table 2 as applicable. The tests in the presence of the Surveyor are required in accordance with 4-9-8/Table 2 of the Steel Vessel Rules "Performance Tests" where it is used for control and monitoring systems of propulsion machinery, propulsion boilers vital auxiliary pumps and electrical generating plants. The performance tests are to be carried out at the assembled plant before installation on-board or after installation on-board. Tests and Approval for hardware only. Equipment may be installed in the general power distribution zone only (not on the bridge or open deck).
<b>Comments</b>	The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

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**Notes,  
Drawing and  
Documentation**

Drawing No. 31002015\_P10\_000\_03 - Automation Island System Specification dated August 2003  
Drawing No. 31002947\_K03\_000\_07 - System Planning and Installation Guide dated February 2008  
Drawing No. 31005913\_P07\_000\_02 - Maritime Test Plan and Results dated 27 August 2004  
Drawing No. 31006042 - Test Reports ABS stamped on 27 July 2004  
Drawing No. 31006704\_P07\_100\_00 - EMC Verification dated October 2006  
Test Report No. 33002662 P05 000 00 dated 26 March 2003  
Test Report No. 33002663 P05 000 00 dated 24 April 2003  
Test Report No. 33002664 P05 000 00 dated 8 May 2003  
Test Report No. 33002665 P05 000 00 dated 9 May 2003  
Test Report No. 33002666 P05 000 00 dated 18 June 2003  
Test Report No. 33002667 P05 000 00 for EMC Module and System Test dated 8 May 2003  
Drawing No. AAV9150800-01 - Certification Test Plan Report dated October 2009  
BV Curtis-Straus Test Report No. EF0343-1 dated 3-4 May 2005  
BV Curtis-Straus Test Report No. EG0244-1 dated 14-29 March 2006  
BV Curtis-Straus Test Report No. EG0963-2 dated 25 August 2006  
BV Curtis-Straus Test Report No. EH0730-1 dated 19 and 21 June 2007  
BV Curtis-Straus Test Report No. EI0065-1 dated 22 and 26 January 2008  
BV Curtis-Straus Test Report No. EJ0858-1 dated 20-22 July 2009  
BV Curtis-Straus Test Report No. EJ1692-1 dated 14-17 December 2009  
BV Curtis-Straus Test Report No. EK0420-1 dated 8 April 2010  
BV Curtis-Straus Test Report No. EL0436-1 dated 28 March 2011  
Catalogue No. MKTED2130401EN dated May 2013  
Test Report No. R-4297N EMC dated 29 July 2004  
Agency Test Plan No. S1A982780000 dated 27 April 2011  
Validation Test Report No. S1B2734900 dated 27 April 2011  
See attached "pdf" file for drawings list from PIM Internal Product Structure

<b>Term of Validity</b>	<p>This Product Design Assessment (PDA) Certificate 17-GE1585769-PDA, dated 13/Jan/2017 remains valid until 12/Jan/2022 or until the Rules or specifications used in the assessment are revised (whichever occurs first).</p> <p>This PDA is intended for a product to be installed on an ABS classed vessel, MODU or facility which is in existence or under contract for construction on the date of the ABS Rules or specifications used to evaluate the Product.</p> <p>Use of the Product on an ABS classed vessel, MODU or facility which is contracted after the validity date of the ABS Rules and specifications used to evaluate the Product, will require re-evaluation of the PDA.</p> <p>Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.</p>
<b>ABS Rules</b>	<p>2017 Rules for Conditions of Classification, 1-1-4/7.7, 1-1 Appendix 3 and 4, which covers the following:                  2017 Steel Vessel Rules, 4-9-8/13, 4-8-3/1.11, 4-8-3/13                  2017 Offshore Support Vessels, 4-9-8/13, 4-8-3/1.11, 4-8-3/13                  2017 Steel Vessels Under 90 Meters (295 Feet) in Length, 4-7-4/3.9 (4-7-2/Table 1), 4-6-1/15, 4-6-3/11                  2017 Rules for Conditions of Classification - Offshore Units and Structures 1-1-4/9.7,1-1 Appendix 2 and 3, which covers the following:                  2017 Mobile Offshore Drilling Unit Rules, 4-3-1/15, 4-3-3/9</p>
<b>National Standard</b>	<p>FM Advantis - NI - I - 2 - ABCD - T4 (2007-2011) UL File NRAQ.E486184 dated 05 August 2016 CSA Std.C22.2 Certificate of Compliance No. 2591645 (058905_S_00) Master Contract 225844 dated 23 April 2015</p>
<b>International Standard</b>	NA
<b>Government Standard</b>	NA
<b>EUMED Standard</b>	NA
<b>Others Standard</b>	NA

<b>Model Certificate</b>	<b>Model Certificate #</b>	<b>Issue Date</b>	<b>Expiry Date</b>
PDA	17-GE1585769-PDA	20-JAN-2017	12-JAN-2022