



Company Information	Additional Company/ Plant Detail	Confirmation Of Type Approval
ROCKWELL AUTOMATION INC. 1201 SOUTH SECOND STREET		
WI 53204 United States Tel 414-382-3265 Fax 414-382-2700 Email : eluna2@ra.rockwell.com Website : www.rockwellAutomation.com		12-HS882055-1-PDA
Certificate Number Category Expiry Date 13-SB2484006 RQS 02/DEC/2018		

Product	Motor Controller
Model	Bulletin 150-SB1, -SB2, -SB3, SB4 (SMC-50); 150-SC1, -SC2, -SC3; 150-SD1, -SD2, -SD3,
Intended Service	Marine & Offshore Application - Industrial Control Equipment.
Description	SMC - 50 Flex Solid State Motor Controller - Electro-Mechanical
Ratings	<p>150-SB1, -SB2, -SB3, SB4: Rated Voltage: 200 to 690 VAC Controller Ratings: Max. Continuous Current: 90 A to 180 A (Wye Configuration); 60 HP-150 HP @ 460VAC 155 A to 311 A (Inside Delta Configuration); 100 HP - 250 HP @ 460VAC Max Short Circuit Rating: 600 V, 10 kA (Wye), 600 V, 18 kA (Delta);</p> <p>150-SC1, -SC2, -SC3; Rated Voltage: 200 to 575 VAC Max. Continuous Current: 210 A to 320A (Wye Configuration); 200 HP-300 HP @ 575 VAC 363 A to 554 A (Inside Delta Configuration); 350 HP - 500 HP @ 575VAC; Max Short Circuit Rating: 600 V, 18 kA (Wye), 600 V, 30 kA (Delta);</p> <p>150-SD1, -SD2, -SD3; Rated Voltage: 200 to 575 VAC Max. Continuous Current: 361 A to 520A (Wye Configuration); 350 HP-500 HP @ 575 VAC; 625 A to 900 A (Inside Delta Configuration); 600 HP - 900 HP @ 575VAC ; Max Short Circuit Rating: 600 V, 30 kA (Wye), 600 V, 42 kA (Delta);</p>
Service Restrictions	<p>Motor Controllers of 100 kW (135 HP) and over for Essential Services must be Unit Certified, otherwise Unit Certification is not required for this product. If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined. 1) Equipment for Marine and Offshore Applications in Non Hazardous Areas.</p> <p>2) Type of Enclosure Rating (IP or NEMA) is to be selected in accordance with 4-8-3/1.11 and 4-8-4/9 of the SV Rules.</p> <p>3) A Maximum Ambient Temperature of 45 °C (113 °F) is to be used for Engine Rooms and 40 °C (104 °F) for other Locations. Where Ambient Temperatures are in excess of these values the total rated</p>



	<p>temperature of equipment is not to be exceeded as per 4-8-3/1.17 of the SV Rules.</p> <p>4) For each Installation complete details of the line ups with Schematics are to be submitted for review.</p> <p>5) Disconnect Device, Overload Ratings, etc are to be indicated for each application.</p>
Comments	Duplicate PDA's resides with Rockwell Automation Manufacturing, S. De R.L. de C.V - GUADALUPE; The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
Notes, Drawing and Documentation	<p>Supporting Data: UL File E96956 dated 25 Mar 2011;</p> <p>150-SG010A-EN-P, July 2011, "Fully Solid State Smart Motor Controller Bulletin Selection Guide";</p> <p>150-UM011A-EN-P, July 2011, "Fully Solid State Smart Motor Controller Bulletin User Manual";</p> <p>150-PP009A-EN-P, July 2011, "Fully Solid State Smart Motor Controller Bulletin Brochure";</p> <p>Dwg: 10000105989, Ver. 00</p> <p>Dwg: 10000111771, Ver. 01, "SSMC Control Board PCB Assembly Drawing" (4 sheets)</p> <p>Dwg: 10000111857, Ver. 01, "PCB Documentation SSMC PCB Assembly Drawing", (2 Sheets);</p> <p>Dwg: 10000119517, Ver. 00, "PCB Documentation SSMC I/O Board PCB Assembly Drawing", (2 Sheets);</p> <p>UL File E96956 dated 25 Mar 2011, Revised 23 October 2012;</p>
Term Of Validity	This Product Design Assessment (PDA) Certificate 12-HS882055-1-PDA, dated 18/Jun/2013 remains valid until 07/May/2017 or until the Rules or specifications used in the assessment are revised (whichever occurs first). 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. 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. Use of the Product for non ABS classed vessels, MODUs or facilities is to be to an agreement between the manufacturer and intended client.
ABS Rules	2013 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 4-8-1/5.5.5, 4-8-2/9.1, 4-8-3/5.3, 4-8-4/9, 4-9-7/Table 9 Test No.: 6 (Inclination).
National Standards	UL 508 17th Ed,
International Standards	CSA C22.2 No. 14-95

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	12-HS882055-1-PDA	08/MAY/2012	07/MAY/2017