Print

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		14-HS1271589-PDA

Certificate Number	*Category*	*Expiry Date*
13-SB2484006	RQS	02/DEC/2018

Product	Motor Controller
Model	Bulletin 280, 281, 283 & 284
Intended Service	Marine & Offshore Applications - Power distribution and protection of motor and non-motor loads.
Description	Bulletin 280/ 281: ArmorStart Distributed Motor Controller is an integrated, pre-engineered, starter for full-voltage and reversing applications. Bulletin 283: ArmorStart Distributed Motor Controller is an integrated, pre-engineered starter for solid-state motor control applications. Bulletin 284: ArmorStart Distributed Motor Controller is an integrated, pre-engineered starter for variable frequency AC drive applications.
Ratings	Bulletin 280: Horsepower Range: 0.5 to 10 Hp (0.37 to 7.5 kW) Operating Voltage: 200 to 480V AC Bulletin 281: Horsepower Range: 0.5 to 10 Hp (0.37 to 7.5 kW) Operating Voltage: 200 to 480V AC Bulletin 283: Horsepower Range: 0.5 to 10 Hp (0.37 to 5.5 kW) Operating Voltage: 200 to 480V AC Bulletin 284: Horsepower Range: 0.5 to 5 Hp (0.4 to 3.3 kW) Operating Voltage: 200 to 480V AC, 380 to 480V AC Bulletin 280, 281,283,284 Environmental: IP67/NEMA Type 4 Control Voltage: 24V DC, 120V AC & 240V AC
Service Restrictions	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. i) Motor Control Centers of 100kW (135HP) and over for essential services must be Unit Certification. ii) Equipment for Marine Applications is not suitable for Hazardous Areas. iii) Not to be installed in Machinery Rooms or Locations where Ambient Temperature exceeds 40 ºC. iv) Type of Enclosure is to be selected in accordance with Steel Vessel Rules 4-8-3/1.11 and 4-8-4/9.
Comments	

	The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
Notes, Drawing and Documentation	Supporting Data: UL Report File E207834 dated 2004-03-10 - Power Conversion Equipment. UL Report File E3125 dated 2003-11-17 - Motor Controllers, Magnetic. UL Report File E96956 dated 2005-08-25 - Solid-State Motor Controllers.
Term Of Validity	This Product Design Assessment (PDA) Certificate 14-HS1271589-PDA, dated 11/Nov/2014 remains valid until 10/Nov/2019 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	Rules for Conditions of Classification, Part 1 - 2014 Steel Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following: Steel Vessels 4-8-1/5.5.4, 4-8-2/9.1, 4-8-3/1.7, 1.9, 1.11.1, 5.3, 5.7, 4-8-4/9.1; Rules for Conditions of Classification, Part 1 - 2014 Offshore Units and Structures 1-1-4/9.7, 1-1-A2, 1-1-A3, which covers the following: Mobile Offshore Drilling Units 4-3-1/11, 15, 17.1, 4-3-3/3.13.1;
National Standards	UL 508 & UL508C, 17th Edition.
International Standards	CSA C22.2 No.14-05; CSA C22.2 No.14-95; EN/IEC 60947-1, -2; EN50178 & EN61800-3

Model Certificate	Model Certificate No	Issue Date	Expiry Date
PDA	14-HS1271589-PDA	11/NOV/2014	10/NOV/2019