

## Type Approval Certificate

This is to certify that the undernoted product(s) has/have been tested with satisfactory results in accordance with the relevant requirements of the Lloyd's Register Type Approval System.

<b>Manufacturer</b>	<b>SIEMENS INDUSTRY AUTOMATION</b>
<b>Address</b>	One Internet Plaza, Johnson City, TN, 37604, United States
<b>Place of Production</b>	Siemens Industrial Automation Products Ltd., Chengdu No 99 Tianyuan Road Hi-tech West District, Chengdu, Sichuan, 611731, China
<b>Type</b>	SIMATIC S7 - 1200  See Appendix for details of modules
<b>Description</b>	Programmable Logic Controller
<b>Application</b>	Marine, offshore and industrial applications for use in environmental categories ENV1, ENV2 and ENV3 (power distribution zone) as defined in Lloyd's Register Test Specification Number 1, December 2020, and Notice No. 1 to Test Specification No. 1, 2020.
<b>Specified Standard</b>	Lloyd's Register Test Specification Number 1, December 2020, and Notice No. 1 to Test Specification No. 1, 2020 Manufacturer's specification
<b>Ratings</b>	See Appendix



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### Other Conditions

Surge Immunity: External Protective circuits required for DC systems. See the current System Manual (A5E02486680) for recommendations. To fulfil EMC requirements in the Bridge & Deck Zone and the General Power Distribution Zone, the modules must be installed in a suitable EMI enclosure of appropriate dimension (Hoffman CONCEPT EMC enclosure recommended), and a filter is to be fitted in the power supply lines with the following ratings: I=3A, C=2x0.47µF, L=4x4.7mH (EPCOS B84113-C-B30 or equivalent).

This certificate is not valid for equipment, the design, ratings or operating parameters of which have been varied from the specimen tested. The manufacturer should notify Lloyd's Register North America, Inc. of any modification or changes to the equipment in order to obtain a valid Certificate.

**Previous Version:** 11/20012(E3)

The Design Appraisal Document LR22129828TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.