

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.

Manufacturer	Carling Technologies
Address	3734 International Blvd, Brownsville, Texas 78521, USA
Place of Production	Carling Technologies 3734 International Blvd, Brownsville, Texas 78521, USA
Type	Control Systems
Description	Monitoring and Control System
Trade Name	OctoPlex
Application	For use in environmental category ENV2 as defined in Lloyd's Register Test Specification No. 1, March 2019.
Specified Standard	Lloyd's Register Test Specification Number 1, March 2019. Lloyd's Register Rules and Regulations, July 2019.
Other Conditions	Installation of this equipment for marine applications is to be in accordance with current Lloyd's Register Rules and Regulations.

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.

The Design Appraisal Document LR2108675TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.



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Appendix

Type	Application
<p>OctoPlex</p> <p>Comprising modules:</p> <p>A1470-CE System Monitor</p> <p>A1680-CE Battery Monitor</p> <p>A1415-CE 6.5" Flat Panel Display</p> <p>A1415-1-CE 6.5" Flat Panel Display w/RS232</p> <p>A1650-CE 8 Circuit DC Power Distribution Box</p> <p>A1655-CE 16 Circuit DC Power Distribution Box</p> <p>A1770-CE AC Power Monitor</p> <p>A2000-08-[1]-CE 8 Circuit AC Power Distribution Box, 110VAC</p> <p>A2000-08-[2]-CE 8 Circuit AC Power Distribution Box, 220VAC</p> <p>A2000-08-[3]-CE 8 Circuit AC Power Distribution Box, 120/208 VAC 3 Phase</p> <p>A2000-08-[4]-CE 8 Circuit AC Power Distribution Box, 240 VAC</p> <p>A2000-08-[5]-CE 8 Circuit AC Power Distribution Box, 240 VAC, Double Pole</p> <p>A2000-16-[1]-CE 16 Circuit AC Power Distribution Box, 110 VAC</p> <p>A2000-16-[2]-CE 16 Circuit AC Power Distribution Box, 220 VAC</p> <p>A2000-16-[3]-CE 16 Circuit AC Power Distribution Box, 120/208 VAC 3 Phase</p> <p>A2000-16-[4]-CE 16 Circuit AC Power Distribution Box, 240 VAC</p> <p>A2000-16-[5]-CE 16 Circuit AC Power Distribution Box, 240 VAC, Double Pole</p> <p>A2205-[1]-CE Network Power Supply, 110 VAC</p> <p>A2205-[2]-CE Network Power Supply, 220 VAC</p> <p>A3000-08-1 Octoplex Gen II AC Power Distribution Unit, 8 Position - 120V (No Main Breaker)</p> <p>A3000-08-1M Octoplex Gen II AC Power Distribution Unit, 8 Position - 120V (With Main Breaker)</p> <p>A3000-08-2 Octoplex Gen II AC Power Distribution Unit, 8 Position - 120/240V (No Main Breaker)</p> <p>A3000-08-2M Octoplex Gen II AC Power Distribution Unit, 8 Position - 120/240V (With Main Breaker)</p> <p>A3000-08-4 Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Single Pole (No Main Breaker)</p> <p>A3000-08-4M Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Single Pole (With Main Breaker)</p> <p>A3000-08-5 Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Double Pole (No Main Breaker)</p> <p>A3000-08-5M Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Double Pole (With Main Breaker)</p> <p>A3000-13-1 Octoplex Gen II AC Power Distribution Unit, 13 Position - 120V (No Main Breaker)</p> <p>A3000-13-1M Octoplex Gen II AC Power Distribution Unit, 13 Position - 120V (With Main Breaker)</p> <p>A3000-13-2 Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/240V (No Main</p>	<p>For use in environmental category ENV2 as defined in Lloyd's Register Test Specification No. 1, March 2019.</p>

	Breaker)	
A3000-13-2M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/240V (With Main Breaker)	
A3000-13-3	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/208V (No Main Breaker)	
A3000-13-3M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 120/208V (With Main Breaker)	
A3000-13-4	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Single Pole (No Main Breaker)	
A3000-13-4M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Single Pole (With Main Breaker)	
A3000-13-5	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Double Pole (No Main Breaker)	
A3000-13-5M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230V Double Pole (With Main Breaker)	
A3000-13-6	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230/415V (No Main Breaker)	
A3000-13-6M	Octoplex Gen II AC Power Distribution Unit, 13 Position - 230/415V (With Main Breaker)	
A3000-19-1	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120V (No Main Breaker)	
A3000-19-1M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120V (With Main Breaker)	
A3000-19-2	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/240V (No Main Breaker)	
A3000-19-2M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/240V (With Main Breaker)	
A3000-19-3	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/208V (No Main Breaker)	
A3000-19-3M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 120/208V (With Main Breaker)	
A3000-19-4	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Single Pole (No Main Breaker)	
A3000-19-4M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Single Pole (With Main Breaker)	
A3000-19-5	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Double Pole (No Main Breaker)	
A3000-19-5M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230V Double Pole (With Main Breaker)	
A3000-19-6	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230/415V (No Main Breaker)	
A3000-19-6M	Octoplex Gen II AC Power Distribution Unit, 19 Position - 230/415V (With Main Breaker)	
A3000-19-7	Octoplex Gen II AC Power Distribution Unit, 19 Position, Custom - 120/240V (No Main Breaker)	
A3000-19-7M	Octoplex Gen II AC Power Distribution Unit, 19 Position, Custom - 120/240V (With Main Breaker)	
A3100-08-1	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120V (No Main Breaker)	

	(OctoLite)	
A3100-08-1M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120V (With Main Breaker) (OctoLite)	
A3100-08-2	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120/240V (No Main Breaker) (OctoLite)	
A3100-08-2M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 120/240V (With Main Breaker) (OctoLite)	
A3100-08-4	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Single Pole (No Main Breaker) (OctoLite)	
A3100-08-4M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Single Pole (With Main Breaker) (OctoLite)	
A3100-08-5	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Double Pole (No Main Breaker) (OctoLite)	
A3100-08-5M	Octoplex Gen II AC Power Distribution Unit, 8 Position - 230V Double Pole (With Main Breaker) (OctoLite)	
A3650	Octoplex Gen II DC Power Distribution Unit, 8 Position	
A3655	Octoplex Gen II DC Power Distribution Unit, 16 Position	
A3470	Octoplex Gen II System Interface Monitor (SIU)	
A3770	Octoplex Gen II AC Power Monitor	
A3205-1	Octoplex Gen II Network Power Supply, 110V	
A3205-2	Octoplex Gen II Network Power Supply, 230V	
A3680	Octoplex Gen II Battery Monitor	



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