



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	Mitsubishi Electric Corporation, Fukuyama Works
Address	1-8 Midorimachi, Fukuyama-city, 720-8647, Japan
Place of Production	Mitsubishi Electric Corporation, Fukuyama Works 1-8 Midorimachi, Fukuyama-city, 720-8647, Japan
Place of Production	Mitsubishi Electric Dalian Industrial Products Co., Ltd. No. 5, Northeast 3rd street, Jinpu New District, Dailian, Liaoning, 116600, China
Type	Circuit Breaker
Description	Low Voltage Circuit Breakers
Trade Name	AE-SW Series AE630-SW, AE1000-SW, AE1250-SW, AE1600-SW, AE2000-SWA, AE2000-SW, AE2500-SW, AE3200-SW, AE4000-SWA, AE4000-SW, AE5000-SW, AE6300-SW
Application	Protection and switching of distribution circuits for marine and offshore applications.
Specified Standard	IEC 60947-2 Edition 4.2 (2013)
Ratings	See Appendix

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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 Group Limited of any modification or changes to the equipment in order to obtain a valid Certificate.

Previous Version: LR2001941TA

The Design Appraisal Document LR25113825TA and its supplementary Type Approval Terms and Conditions form part of this Certificate.

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Appendix

RATINGS:

Type	Current rating at 45°C (A)	Rated voltage (V)	Breaking current (r.m.s.) (kA) Icu/Ics	Making current (peak asymmetrical (kA) Icm	Power factor	Over-current release	Standard	
AE630-SW	125~630	690 600 500	65/65 65/65 65/65	143.1	0.162	Solid state tripping device	IEC60947-2 Utilisation category: B Suitable for isolation	
AE1000-SW	400~1000							
AE1250-SW	625~1250							
AE1600-SW	800~1600							
AE2000-SWA	1000~2000							
AE2000-SW	625~2000	690 600 500	75/75 75/75 85/85	167.0 195.7	0.172 0.183			
AE2500-SW	1250~2500							
AE3200-SW	1600~3200							
AE4000-SWA	2000~4000							
AE4000-SW	2000~4000	690	85/85	188.3	0.195			
		500	138/138	315.4	0.185			
AE5000-SW	2500~5000	690	85/85	188.3	0.195			
		500	138/138	315.4	0.185			
AE6300-SW	3150~6300	690	85/85	188.3	0.195			
		500	138/138	315.4	0.185			

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