



Lloyd's
Register

Type Approval Certificate Extension

This is to certify that Certificate No. 08/10035(E1) for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER	LSIS Co., Ltd.
PLACE OF PRODUCTION	95, Baekbong-ro, Heungdeok-gu, Cheongju-si, Chungcheongbuk-do, Korea, 361-720
DESCRIPTION	Air Circuit Breaker
TYPE	AS-06D, 08D, 10D, 13D, 16D, 20D AS-20E, 25E, 32E, 40E AS-40F, 50F AS-40G, 50G, 63G AH-06D, 08D, 10D, 13D, 16D, 20D AH-06E, 08E, 10E, 13E, 16E, 20E, 25E, 32E, 40E AH-40G, 50G, 63G
APPLICATION	Protection and switching of generator and distribution circuits Marine, offshore and industrial applications for use in environmental categories ENV3 as defined in LR's Test Specification No. 1 - 2002. "General Power Distribution Zones" for electromagnetic immunity and emission test
DESIGN CODE	Manufacturer's specification IEC 60947-2 (Amendment 1, Edition 4.0)

Certificate No.	08/10035(E2)
Issue Date	26 June 2013
Expiry Date	25 June 2018
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H. Murase
Yokohama Technical Support Office
Lloyd's Register Group Limited

Lloyd's Register Group Limited
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RATINGS

Alternating Current

Frame (A)	Type	Rated Current at 45°C (A)	Rated voltage (V)	Breaking Capacity (r.m.s.) Icu=Ics (kA)	Making Capacity Icm (kA)	Short-time Withstand Current Icw (kA/1s)	Power factor	Overcurrent release
2000	AS-06D	630	690 (500)	65 (70)	143 (154)	65	0.2	Provided
	AS-08D	800						
	AS-10D	1000						
	AS-13D	1250						
	AS-16D	1600						
	AS-20D	2000						
4000	AS-20E	2,000		85 (85)	187 (187)	85		
	AS-25E	2,500						
	AS-32E	3,200						
	AS-40E	4,000						
5000	AS-40F	4,000		85 (100)	187 (220)	85		
	AS-50F	5,000						
6300	AS-40G	4,000	100 (120)	220 (264)	100			
	AS-50G	5,000						
	AS-63G	6,300						

ACB type name

AS/AH - □□ D3 - □□ J

□□ : Rated Current

D/E/F/G : Standard Type, RST(N)

3/4 3: 3 pole 4: 4 Pole

J/A/H/V/P/M/N J/A : Drawout type H/V/P/M/N : Fixed type

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RATINGS

Alternating Current

Frame (A)	Type	Rated Current at 45°C (A)	Rated voltage (V)	Breaking Capacity (r.m.s.) Icu=Ics (kA)	Making Capacity Icm (kA)	Short-time Withstand Current Icw (kA/1s)	Power factor	Overcurrent release
2000	AH-06D	630	690 (500)	65 (85)	143 (187)	65	0.2	Provided
	AH-08D	800						
	AH-10D	1000						
	AH-13D	1250						
	AH-16D	1600						
	AH-20D	2000						
4000	AH-06E	630						
	AH-08E	800						
	AH-10E	1,000						
	AH-13E	1,250						
	AH-16E	1,600						
	AH-20E	2,000						
	AH-25E	2,500						
	AH-32E	3,200						
6300	AH-40E	4,000						
	AH-40G	4,000						
	AH-50G	5,000						
	AH-63G	6,300			100 (150)	220 (330)		

"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."

The attached Design Appraisal Document No. 08/10035(E2) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 08/10035(E1) to which this extension should be attached.

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