



Confirmation of Type Approval

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), on 22/MAY/2008 the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) and a valid Product Design Assessment (PDA) for the below listed product, entitling the product to type approval. The validity of the Manufacturing Assessment is dependent on satisfactory audits as required by the Rules. The Product Design Assessment is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

For Date of ABS Rules used for evaluation; Please refer to the ABS Rules below.

This Confirmation of Product Type Approval is valid as of the date shown above for the below listed product.

ABS makes no representations regarding type approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that the Client has full responsibility for continued compliance with the evaluation standard, whether the standard is an ABS Rule or a non-ABS Rule. As specified in the ABS Rules, Unit Certification may be required in addition to Product Type Approval. Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

LS Industrial Systems Co., Ltd.

Model Name(s): Metasol ACB(AS-jàjà) Susol ACB(AH-jàjà)

Presented to:

LS Industrial Systems Co., Ltd.
1, Songjung-Dong,
Hungduk-Gu,
Cheongju City,
Chungbuk, 361-720
Korea, Republic of

Intended Service:	Protection and Switching of Distribution Circuits
Description:	Low Voltage Air Circuit Breaker
Ratings:	See the attached documents.
Service Restrictions:	Unit Certification is not required for this product.
Comments:	The Approval is based on that the above product has been tested by KEMA, LS Industrial Systems PT&T, KIMM & ONETECH.
Notes / Documentation:	This Product Design Assessment (PDA) is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.
Term of Validity:	This Design Assessment Certificate number 08-BK334750/1-PDA, dated 02/May/2008 will expire on 01/May/2013 or at an earlier date should there be alterations to the product's design or changes to the referenced ABS Rules and other specifications, which affect the product. Product use on or after 1 January 2009, will be subject to compliance with the ABS Rules or specifications in effect when the vessel, MODU or facility is contracted. The product's acceptability on board ABS-classed vessels or facilities is defined in the service restrictions of this certificate.
ABS Rules:	2008 Steel Vessel Rules 1-1-4/7.7, 4-8-3/5.3.3