

Type Approval Certificate Extension

This is to certify that Certificate No. 04/00015 for the undernoted products is extended and renumbered as shown.

This certificate is issued to:

PRODUCER ABB AB, Cewe-Control

PLACE OF PRODUCTION Motorgränd
S-721 61 Västerås
Sweden

DESCRIPTION Three pole contactors

TYPE AF95, AF110, AF145, AF185, AF210, AF260, AF300, AF1350 & AF1650

APPLICATION Marine, offshore and industrial use in environmental category ENV1 as defined in Lloyd's Register Test Specification No. 1: 1996

STANDARD IEC 60947-4-1: 2002

RATINGS

Frequency: 50/60Hz

Type	Utilisation Category (≤ 55° C)	Operational Voltage (Ue)	Operational Current (Ie) Amperes	Thermal Current (Ith) Amperes
AF95	AC 1 AC 3	690	135	145
		220/230/240	96	
		380/400	96	
		415/440/500	96/93/80	
AF110	AC 1 AC 3	690	145	160
		220/230/240	110	
		380/400	110	
		415/440/500	110/110/100	
		690	82	

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Issue Date 4 March 2010

Expiry Date 24 March 2014

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 A.B. Gunn

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71 Fenchurch Street, London EC3M 4BS*

RATINGS (cont.)

Type	Utilisation Category ($\leq 55^{\circ}$ C)	Operational Voltage (Ue)	Operational Current (Ie) Amperes	Thermal Current (Ith) Amperes
AF145	AC 1 AC 3	690	230	250
		220/230/240	145	
		380/400	145	
		415/440/500	145	
AF185	AC 1 AC 3	690	250	275
		220/230/240	185	
		380/400	185	
		415/440/500	185/185/170	
AF210	AC 1 AC 3	690	300	350
		220/230/240/380/400	210	
		415/440/500/690	210	
		690	210	
AF260	AC 1 AC 3	690	350	400
		220/230/240	260	
		380/400	260	
		415/440/500	260/240/240	
AF300	AC 1 AC 3	690	400	500
		220/230/240	305	
		380/400	305	
		415/440/500	300/280/280	
AF1350	AC 1 AC 3	1000	1150	1350
		220/230/240	860	
		380/400	860	
		415/440	860	
AF1650	AC 1 AC 3	1000	1450	1650
		220/230/240	1050	
		380/400	1050	
		415/440	1050	

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OTHER CONDITIONS

The equipment should not be installed in locations where `Cyclic Humidity` is encountered.

"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 EMEA of any modification or changes to the equipment in order to obtain a valid certificate."

The attached Design Appraisal Document No. 04/00015(E1) and its supplementary Type Approval Terms and Conditions form part of this Certificate.

All other details remain as the previous Certificate No. 04/00015 to which this extension should be attached.

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