

**MARINE DIVISION**  
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Certificate N°:

08441/B0 BV

The attached Schedule forms part of the certificate

File Number : ACE 02/045/10

Product Code : 2652H



## CERTIFICATE OF TYPE APPROVAL

*This is to certify that the product identified below was found to be in compliance with the relevant hereunder stated Regulations & standards*

### OVER-LOAD RELAYS OR RELEASES

ELECTRONIC OVERLOAD RELAIS: - Type SPRECHER+SCHUH CEP7 - Type ALLEN-BRADLEY  
193-E

MANUFACTURED BY:

**Rockwell Automation, Inc. (Milwaukee, WI)**  
Milwaukee (WI) - UNITED STATES OF AMERICA

SPECIFIED REGULATIONS & STANDARDS :


BV Rules for the Classification of Steel Ships.

IEC 60068-2, IEC 61000-4, IEC 60092-504, IEC 60947 - EN 50081, EN 50082.


**The Approval is valid until : 29-04-2006**

BUREAU VERITAS PORT EVERGLADES CENTRE

At Paris la Défense, on : 07-04-2005

  
**F. ROSAS**  
BVN Lead Surveyor



  
**J. BENOIT**  
For the Secretary

This Certificate remains valid until the date stated on, hereunder, unless cancelled or revoked, provided the conditions in the attached schedule are complied with and the equipment remains satisfactory into service.

This Certificate is not valid for equipment, the design or manufacture of which has been varied or modified from the specimen tested.

This Certificate is not valid without the stamp of the above mentioned BUREAU VERITAS Inspection Center.

The manufacturer should notify BUREAU VERITAS of any modification or changes to the equipment in order to obtain a valid Certificate.

The latest published Regulations or Standards referred to, above, and the Marine Division General Conditions are applicable.

# Allen-Bradley Parts



## THE SCHEDULE OF APPROVAL

### **1. PRODUCT DESCRIPTION :**

#### **DEVICES**

Product type		NUMBER of Poles	RATED Voltage (V)	ADJUSTING RANGE of Current (A)
<b>SPRECHER + SCHUH</b>	<b>ALLEN-BRADLEY</b>			
<b>Electronic relay</b>		3	690	
CEP 7	193 - E			0.1 ... 85
<b>Auxiliary</b>				
CEP 7-37-P-A	193 - EPM 1	----	----	----
CEP 7-45-P-A	193 - EPM 2	----	----	----
CEP 7-85-P-A	193 - EPM 3	----	----	----
CMR7	193 - ER 1	----	----	----

### **2. DESIGN DRAWINGS and/or SPECIFICATIONS**

As per documents filed in 02/045/10 in accordance with the Manufacturer's product specification and drawings.

### **3. TYPE TEST REPORTS / LABORATORY RECOGNITION STATUS**

3.1 - Compliance reports as per Standards: EN 60947-4-1: 1992 / EN 60947-5-1: 1992 / EN 50081-2: 1993 / EN 50082-2: 1995 / IEC 947-4-1: 1992 / IEC 947-5-1: 1992.

3.2 - Test reports Numbers: K318558L - K318508L - K318578L - K318618L - K318588L - K318598L - K318608L - K318528A - K318568G - K318518F - K318548B - K318668A carried out by Quinel Laboratory, Switzerland, on 23/09/98.

3.3 - Reviewed for validation by the Society.

### **4. MATERIALS and/or COMPONENTS REQUIRED TO BE TYPE APPROVED**

Nil.

### **5. OTHER MATERIALS and/or COMPONENTS**

Nil.

### **6. APPLICATION / LIMITATION OF USE**

As per requirements of regulations stated on front page of this certificate.

### **7. PRODUCTION SURVEY REQUIREMENTS**

7.1 - Arrangements shall be made for a Society's Surveyor to carry out, on a periodic basis, visits of the Manufacturer's premises and product audits.

7.2 - Each equipment is to be supplied with Manual(s) for installation, use & maintenance.

**8. ON BOARD INSTALLATION & MAINTENANCE REQUIREMENTS**

As per requirements of regulations stated on front page of this certificate.

**9. MARKING FOR IDENTIFICATION**

According to IEC 60947 specifications.

**10. OTHERS**

10.1 - This approval is given with the understanding that the Society reserves the right to require check tests to be carried out on the circuit breakers at any time **ROCKWELL AUTOMATION AG, Mayfield Heights (OH) - USA and ROCKWELL AUTOMATION, INC., Milwaukee (WI), 1201 South Second Street, Milwaukee (WI) 53204 - USA**, will accept the responsibility for informing shipbuilders or their sub-contractors of the proper methods of use and general maintenance of the circuit breakers and of the conditions of this approval.

10.2 - This certificate supersedes the Type Approval Certificate N° 08441/A1 BV issued on 30/09/2003 by the Society.

**\*\*\* Last page (End of Document) \*\*\***

BUREAU VERITAS PORT EVERGLADES CENTER

