

## LR 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 LR Type Approval System.*


This certificate is issued to:

<b>PRODUCER</b>	Siemens AG Electrical Installation Technology Siemensstrasse 10 93055 Regensburg Germany	
<b>DESCRIPTION</b>	Miniature circuit breakers	
<b>TYPES</b>	5SX2, 5SX4 5SX6, 5SX7, 5SP4 5SY4, 5SY6, 5SY7	Categories B, C Categories B, C, D Categories B, C
<b>APPLICATION</b>	Marine, offshore and industrial.	
<b>SPECIFIED STANDARD</b>	EN 60898 : 1991	

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

*The Design Appraisal Document No. HEC 5891-01 and its supplementary Type Approval Terms and Conditions form part of this Certificate.*

<b>Certificate No.</b>	01/20041
<b>Issue Date</b>	23 November 2001
<b>Expiry Date</b>	22 November 2006
<b>Sheet</b>	1 of 1



J. Körner

**DESIGN APPRAISAL DOCUMENT**

Date 23 November 2001	Quote this reference on all future communications HEC 0120171/5891-01/JK/WR
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**LLOYD'S REGISTER'S TYPE APPROVAL SYSTEM, 1996.**

**Issued to: Siemens AG, Regensburg**

**for: Miniature circuit breakers**

**TYPE APPROVAL CERTIFICATE No. 01/20041**

The undernoted documents have been reviewed for compliance with the requirements of Lloyd's Register's Type Approval System, 1996 and this Design Appraisal Document is a supplement to the Certificate.

**APPROVAL DOCUMENTATION**

Request form		06.04.2001
A&D ET PME1 E12/Kleemeier	Drawing 5SY4, 5SY6, 5SY7	02.2001
A&D ET PME1 E12/KI.	Drawing 5SX6, 5SX7, (5SP4)	02.2001
A&D ET PME1 E12	Description of the MCB Components 5SY4, 5SY6, 5SY7 and relevant UL-listings, total 12 pages	02.2001
A&D ET PME1 E12/KI.	Description of the MCB Components 5SX6, 5SX7, 5SP4	02.2001
Unnumbered	Siemens Nachtrag zum Katalog I 2.1 2000	2000

**TEST REPORTS**

Unnumbered	Siemens test report	
	SIEMENS Klimalabor TD1	27.02.2001
01015-Z	Prüf-Protokoll	11.01.2001
CCA/DE 11667	Notification of test results + Report 400.17-1200-0706/31DNE 5SY4, 5SY6, 5SY7	10.05.2001
CCA/DE 12373	Notification of test results + report 400.17-1200-0180/324E4 5SX6, 5SX7	26.09.2001
CCA/DE 12373A1	Notification of test results, amendment A1	05.03.2001
TGA1/Mü-004/3/30	Type designation explanation letter, 6 pages	05.11.1999
DE1-8885	CB Test Certificate + report	08.02.2000
	Total 8 pages 5SX2	
CCA/DE 10258	Notification of test results + report total 3 pages 5SX4	21.08.1997

Page	2 of 2
Document number	HEC 5891-01
Issue number	0

### DESIGN APPRAISAL DOCUMENT

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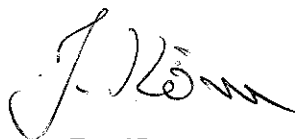
#### Supplementary Type Approval Terms and Conditions

LR Type Approval certifies that a representative sample of the product(s) referred to herein has/have been found to meet the applicable design criteria for the use specified herein. It does not mean or imply approval for any other use, nor approval of any product(s) designed or manufactured otherwise than in strict conformity with the said representative sample.

LR Type Approval is based on the understanding that the manufacturer's recommendations and instructions and any relevant requirements of the Rules of Lloyd's Register of Shipping are complied with.

This LR Type Approval does not eliminate the need for normal inspection and survey procedures required by the Rules and Regulations of Lloyd's Register of Shipping.

Lloyd's Register of Shipping reserves the right to cancel or withdraw this LR Type Approval Certificate in accordance with the LR Type Approval System Procedure.



J. Körner - Ext. 95  
Surveyor  
Hamburg Plan Approval Centre



Subject: Electrical Equipment (Not Environmentally Tested)

Product: Circuit Breakers

Producer/Licence No.	Description of Product				Cert. No.
	Type	Details of Approval	Application	Remarks	
55X6, 55X7, 55P4	Rated current 40A, 50A, 63A, 80A, 100A Tripping characteristics B, C, D Rated current 125A Tripping characteristics B, C Rated operational voltage AC 230/400V poles 1 AC 400V poles 2, 3, 4 Rated short-circuit capacity 10000A for 55X7, 55P4 6000A for 55X6				

*M. M. 2000*