



# Type Approval Certificate

Germanischer Lloyd

This is to certify that the undemoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 94 633 - 94 HH

Company ABB STOTZ - KONTAKT GmbH  
Hauptstraße 12-16  
D-78132 Hornberg

Product Description Time Relays

Type CT-...; ERE; AHE; VWE; AWE; EBE; YDE; SDE; ARE; IRE; MKE; AKE; EKE; MFE

Environmental Category D, EMC 2

Technical Data / Range of Application  
Supply Voltage : 24 V ... 415 V AC/DC  
Mains Frequency : 50 Hz ... 60 Hz  
Time Range : 0.05 s ... 30 min

Degree of Protection : Unit IP 50 / Terminals IP 20

CT-ERE, ERE, CT-EKE, EKE :	Delay on operate
CT-AHE, AHE, CT-ARE, ARE, CT-AKE, AKE :	Delay on release
CT-VWE, VWE :	Single pulse on operate
CT-AWE, AWE :	Single pulse on release
CT-EBE, EBE :	Flasher, starting with OFF
CT-YDE, YDE :	Star - delta timer
CT-SDE, SDE :	Star - delta timer with delay
CT-IRE, IRE :	Switching relays
CT-MKE, MKE :	Multi-function
CT-MFE, MFE :	Multi-function timer

Test Standard Regulations for the Performance of Type Tests Part 2, Edition 2003

Documents Test report No. EMV SCHIEB04 dated 07-08-1992 and MFE\_HFFE + ... \_HFFI dated 07-03-2001; MFE\_HFLE + ... \_HFLI dated 08-03-2001; LR 12684-43 dated 10-11-1992; ARE\_ dated 01-09-93 to 16-02-95; MKE\_ dated 01-09-93 to 16-02-95; AKE\_ dated 16-02-95 to 21-12-95; EKE\_ dated 16-02-95 to 21-12-95

Remarks None

Valid until 2010-04-04

Page 1 of 1

Type Approval Symbol



File No. I.K.04

Hamburg, 2005-04-05

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