



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. 97 553 - 91 HH

Company ENTRELEC-SCHIELE
Industriewerke GmbH & Co. KG
Hauptstraße 12-16
D-78132 Hornberg

Product Description Electronic Timers timatron

Type MFS, MBS, ERS, AHS, APS, ARS, VWS, AWS, EBS, TGS, YDAV, YDEW
EAS, EVS, PGS

Environmental Category C, EMC 1

Technical Data / Range of Application Electronic Timers timatron : 22.5 mm width
Supply voltage : 24 V ... 440 V AC/DC
Mains frequency : 50 Hz ... 60 Hz
Time range : 0.05 s ... 300 hrs
1 or 2 change over contact / the 2nd one progr. as an instantaneous contact
Remote potentiometer connection
Type MFS and MBS : Multi function ERS : Delay on operate
PGS : Single shot TGS : Two stage cycler
VWS : Single pulse on operation
AWS : Single pulse on release
EBS : Flasher, starting with OFF
YDAV : Star-delta-timer / twice delayed on operate
YDEW : Star-delta-change-over / wiping feature
EAS and EVS : ON and OFF delay
AHS, APS and ARS : Delay on release
Degree of Protection : Terminals IP 20 / Unit IP 50

Test Standard Regulations for the Performance of Type Tests, Part 1, Edition 2001

Documents Test report : PGS_ dated 01-03-96 ... 15-03-96; EVS_ dated 07-03-96 ... 15-03-96;
TGS_ dated 21-02-96 ... 14-03-96; SF 2 ES012 080 12002 and SF 2 ES022 080 12002
dated 17-01-2002
KEMA / CSA Report No. LR 12684 - 36 dated 25-01-1991

Remarks None

Valid until 2007-03-21

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File No. LK04

Hamburg, 2002-03-22

Type Approval Symbol



Germanischer Lloyd

J. Wittburg

A. Grün

This certificate is issued on the basis of "Regulations for the Performance of Type Tests, Part 0, Procedure".