

Type Approval Certificate



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

Certificate No. **98 794 - 96 HH**

Company **ELHAND-Transformatory
ul. PCK 22
42-700 Lubliniec, POLAND**

Product Description **Three phase dry transformers**

Type **ET3SM-25, ET3SM-40, ET3SM-63, ET3SM-100, ET3SM-115
ET3SM-125, ET3SM-160, ET3SM-250, ET3SM-630**

Environmental Category **H**

Technical Data /
Range of Application **Rated power 25 kVA, 40 kVA, 63 kVA, 100 kVA, 115 kVA
125 kVA, 160 kVA, 250 kVA, 630 kVA**

**Primary voltage 400 V +/- 2,5 % up to 690 V +/- 2,5 %
Secondary voltage 230 V up to 450 V
Frequency 50 Hz and 60 Hz
Degree of prot. IP 23
Casing BG 23 E MP2 and BG23 E MP3
Ambient temp. 45 ° C
Temp. class F, H
Cooling AN, natural cooling**

Sea realisation

Test Standard **Regulations for the Performance of Type Tests, part 4, edition 1999
PN-IEC 726+A1:1997 / IEC 60726:1982 + AMD 1:1986**

Documents **Test reports: PL/177/96 of 16.05./20.5./29.05.96, EX/003/96 of 12.06./14.06.96
PL/001/98/52 of 16.04.98, PL/002/98/22 of 13.05.98, PL/003/98/52 of 16.04.98
PL/0014/2002/22 of 01.10.2002, Serve manual of 29.05.1998
Drawings incl. in PL/177/96, Material specification dated 04.03.96 / 07.05.98**

Remarks **None**

Valid until **2013-05-28**

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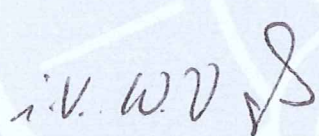
Type Approval Symbol



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Hamburg, 2008-11-07

Germanischer Lloyd


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