



Certifié conforme à l'original
 Le 28 SEP. 2004
 Le secrétariat permanent de l'ASEFA
 G. GOSSE



Certificate of Conformity

LOVAG-Certificate No. FR04-028

Apparatus

Auxilliary Contactor

Designation

TNL80E

Manufacturer or responsible vendor

ABB Entrelec – Control division
 10 rue Ampère
 69685 – CHASSIEU

Tested for: ABB Entrelec

Tested by: ASEFA platform G11

This Certificate applies only to the apparatus tested. The responsibility for conformity of any apparatus having the same designation with that tested rests with the manufacturer or responsible vendor.

This certificate has been prepared according to LOVAG (Low Voltage Agreement Group) Objectives and Operating Principles of mutual recognition. The responsible certification body as member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Test instructions wherever applicable.

Only integral reproduction of this Certificate or reproductions of this page accompanied by any page(s) on which are stated the tests performed and the assigned rated characteristics of the apparatus tested, are permitted without written permission from the LOVAG Signatory responsible for this Certificate.

The apparatus, constructed in accordance with the description mentioned in the Test Report listed on this Certificate has been subjected to the series of proving tests in accordance with

IEC 60947-1 (2001-12), Edition 3.2 - IEC 60947-4-1 (2002-12), Edition 2.1, and IEC 60947-5-1 (2003-11), Edition 3. Test sequence I, V and VI

The results are shown in the Test Report in accordance to LOVAG. The values obtained and the general performance are considered to comply with the above Standard(s) and to justify the characteristics assigned by the manufacturer as stated below.

U_i = 690 V U_{imp} = 8 kV Frequency = 50 Hz / 60 Hz I_{th} = 16 A IP 20
 Utilization category : AC-15

I _e / A	6	4	3	2	2
U _e / V	127	240	440	500	690

Utilization category : DC-13

I _e / A	6	2.8	1	0.55	0.3
U _e / V	24	48	72	125	250

This document includes Report No.: G11-2004336

Issue Date: 2004-07-22

Responsible Certification Body

cofra



Accreditation
 n° 5-0037
 Scope on request

I.HELLER

Authorized signature

Date : 2004-09-28