



## Certificate of Conformity

LOVAG-Certificate No.: IT16.103  
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**Apparatus: Low-voltage busbar trunking system 1000V ( $U_e$ ) – 4000A ( $I_{nA}$ ) – 50Hz (f) – 1000V ( $U_i$ ) – 4kV ( $U_{imp}$ ) – 120kA ( $I_{cw}$ ) – 264kA ( $I_{pk}$ ) – IP55**

This Certificate applies only to the apparatus verified. The responsibility for conformity of any apparatus having the same designation with that verified 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 a member of LOVAG issues a Certificate of Conformity with the above mentioned Standard(s) following the exclusive use of LOVAG Verification instruction wherever applicable.

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**Designation Type:** HP 4000A

**Manufacturer:** DTM ELEKTROTEKNIK SAN TIC A.S.  
CATALMESE MAH SULTANSUYU CAD 129 ALEMDAG CEKMEKOY -  
ISTANBUL (Turkey)

**Applicant:** DTM ELEKTROTEKNIK SAN TIC A.S.- ISTANBUL (Turkey)

**Verified by:** VEIKI-VNL BUDAPEST (Hungary)

The apparatus, constructed in accordance with the description mentioned in the Reports listed in this Certificate has been subjected to the series of proving verifications in accordance with IEC 60439-2 (2005-10).

**The results of the tests carried out fulfil the requirements of the relevant parts of IEC 61439-6 (2012-05), according to sub. 10.1 of IEC 61439-1 (2009-01).**

The results are shown in the Reports 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 in the following.

**Responsible Certification Body: ACAE**  
Via Tito Livio, 5 - 24123 - BERGAMO (Italy)



**PRD N°0708**  
Signatory of EA, IAF and ILAC  
Mutual Recognition Agreements

Authorized Signature: Virginio Scarioni  
Date: 2016.10.31



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Temperature-rise limits	InA: 4000A (1)
Dielectric properties-Power frequency voltage	Ui:1000V
Dielectric properties-Impulse voltage	Uimp:4kV (2)
Short-circuit withstand strength	Icw 120kA for 1s – Ipk 264kA
Effectiveness of the protective circuit	Icw 72kA for 1s – Ipk 158.4kA
Mechanical Operation	50 Mechanical operations of tap-off unit
Resistance of insulating materials to heat&fire	Current-carryng parts: 960°C, other parts: 650°C
Structural-strength	Passed
Crushing resistance	Normal loads
Electrical characteristics	Measured in Normal & Fault conditions

### Notes

- 1 Horizontal position
- 2 Calculated value, taking into account the a.c. test voltage (3500 Veff)

This document includes Test Report No. : 5168 by VEIKI-VNL  
Issue date : 03.12.2008



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