

TYPE APPROVAL CERTIFICATE

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

Certificate No.	14 593 - 99 HH
Company	Knick Elektronische Messgeräte GmbH & Co.KG Beuckestraße 22 14163 Berlin, GERMANY
Product Description	DC - Isolation Amplifier, which isolate/convert standard input and output signals : 0 - 20 mA or 4 - 20 mA or 0 - 10 V.
Type	VariTrans P 150 X Y1; VariTrans A 260 X Y1
Environmental Category	D, EMC1
Technical Data / Range of Application	Depending on the model, input and output signal ranges are permanently set or calibrated ranges can be selected by means of DIP switches. Fine-adjusting is not required for the models with switch selection. Signal transmission is linear. In the type designation the digit "X" may be 00, 16, 17, 18, 26, 28, 36, 37 or 38 to denote signal conversion capabilities. The digit "Y" may be H or F to denote type of screw terminals : Type H 1 is connected by means of pluggable screw clamp terminals, type F 1 by means of fixed screw clamp terminals. Supply : AC 22 - 230 V (48 - 62 Hz); 1 W; Class II DC 22 (24) - 230 V; 1 W; Class II
Test Standard	Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012
Documents	Test documents : CB-test report Ref. No. E 9911046 E01, dated 15. July 1999; TÜV test protocol No. 945 / U 744 / 99, dated 30.08.99; Knick EMC test protocol, dated 31.05.99, 21. Dec. 98 and EM41022A.DOC, dated 22.10.04 Test Report: ELO: TX140910B
Remarks	This certificate is issued on the basis of GL Guidelines for the Performance of Type Approvals, Chapter 1 - Procedure (VI-7-1), Edition 2007

Valid until **2019-10-01**

Page **1 of 1**

File No. **I.D.15**

Hamburg, 2014-10-02

Type Approval Symbol




Marco Rinkel


Dariusz Lesniewski