

REPORT OF PERFORMANCE

OBJECT Industrial Ethernet Switch
Ruggedized Switch Family for Substations and Transportation

TYPE MACH1000 **SERIAL No.** See identification of test objects

Power supply voltage (1) 24 / 48 VDC
Power supply voltage (2) 110 / 250 VDC or 110 / 230 VAC

MANUFACTURER Hirschmann Automation and Control GmbH
Neckartenzlingen, Germany

CLIENT Hirschmann Automation and Control GmbH
Neckartenzlingen, Germany

TESTED BY KEMA HIGH-VOLTAGE LABORATORY
Arnhem, the Netherlands

DATES OF TESTS 4 November 2007 up to 7 February 2008

The apparatus, constructed in accordance with the description, drawings and photographs incorporated in this Certificate, has been subjected to the series of proving tests in accordance with

- IEC 61850-3** (2002-01) EMC immunity, climatic and mechanical conditions
- IEEE 1613** (2003) EMC immunity, climatic conditions
- IEC 61000-6-2** (1999-01) EMC immunity for industrial environments
- IEC 61000-6-4** (2006-07) EMC emission for industrial environments
- IEC/TS 61000-6-5** (2001-07) EMC immunity in substation environment


The values obtained and the general performance is considered to comply with the above Standard and to justify the ratings assigned by the manufacturer as listed on page 4.

This Report of Performance applies only to the object tested. The responsibility for conformity of any object having the same designations with that tested rests with the Manufacturer.

This report consists of 44 sheets in total.

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KEMA Nederland B.V.



P.G.A. Bus
KEMA T&D Testing Services
Managing Director

Arnhem, 3 April 2008