

TYPE APPROVAL CERTIFICATE

DNV·GL

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. **45 282 - 16 HH**

Company **NoMaTronics
Inhaber Andreas Linke
Kastanienweg 35e
17498 Diedrichshagen, GERMANY**

Product Description **Ethernet Switch and/or Forwarder**

Type **MagicNet**

Environmental Category **C / EMC 1 / IEC 60945 protected**

Technical Data /
Range of Application **Range of Application:
IEC 61162-460 , Edition 1.0 (2015-08)
IEC 60945, Edition 4.0 (2002-08) including CORRIGENDUM 1
IMO A.694(17) (1991-11)**

Technical data:

- 2 x galvanic isolated power supply 24V DC
- 24 Ethernet Ports 1 Gbit
- 2 x SFP Port (optional module)
- 1 x relays (NO/NC)
- 2 x digital input
- 19" rack mounting

Layer 2 Switching

- Push/pop up to two VLAN tags
- Policing with storm control and MC/BC protection
- RSTP and MSTP support
- Link aggregation (IEEE 802.3ad)
- 8 priorities and 8 CoS queues per port with strict or Multistage TCAM engine
- 802.1Q VLAN switch with 8K MACs and 4K VLANs
- IPv4/IPv6 multicast
- Audio and video bridging (AVB)
- Round robin scheduling: VID, MAC/IP addresses, IPv4/IPv6 DSCP, and UDP/TCP ports and ranges, both ingress and egress directions control

Test Standard **GL Guidelines for the Performance of Type Approvals, Chapter 2- Test Requirements for Electrical / Electronic Equipment and Systems (VI-7-2), Edition 2012**

Valid until **2021-04-06**

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File No. **I.A.14**

Hamburg, 2016-04-07

Type Approval Symbol



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Margo Rinkel

Falk Günter Bethke
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Documents

Manual:
Instruction Manual, Dokument-Nr: NTMN-020_GB.01

Test report :
DNVGL 9065-16-19412-174-460,
415220_1 KMF SUV NOMATRONICS ETHERNET,
415220_2 KMF KLIMA NOMATRONICS ETHERNET,
415220_3 EMC NOMATRONICS MAGICNET.DOC,
BSH Certificate Nr.919 compass safe distance,
VSC8512 PHY Latency Report VPPD-02613,
Declaration salt laden atmosphere 2016-04-02

Remarks

Product(s) approved by this certificate is/are accepted for installation on all vessels classed by DNV GL.

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Marco Rinkel


Falk Günter Bethke

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