DNV·GL

Certificate No:
TAE00001W6

TYPE APPROVAL CERTIFICATE

This is to certify:

That the Overcurrent- and Short-Circuit Relay

with type designation(s)
RTD32, RTD65, RTD74, RTD180, RTD320, RTD800

Issued to
Ghisalba S.p.A.
RIVOLI TO, Italy

is found to comply with
DNV GL rules for classification – Ships, offshore units, and high speed and light craft

Application :

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

Issued at **Hamburg** on **2017-04-10**
This Certificate is valid until **2021-12-31**.
DNV GL local station: **Milan**

for **DNV GL**

Approval Engineer: **Harald Amberger**

Duy Nam Le
Head of Section

This Certificate is subject to terms and conditions overleaf. Any significant change in design or construction may render this Certificate invalid.
The validity date relates to the Type Approval Certificate and not to the approval of equipment/systems installed.

© DNV GL 2014. DNV GL and the Horizon Graphic are trademarks of DNV GL AS.

Product description

Thermal overcurrent relay without enclosure:

Type	Insluation Voltage (V)	Current Setting (A)	Frequency (Hz)	For use with contactor
RTD32	690	0,4 - 32	50 - 60	GH15BN, CN, DN, EF, FT
RTD65	690	20 - 65	50 - 60	GH15GT, HT, JT
RTD74	690	60 - 74	50 - 60	GH15KT
RTD180	690	60 - 180	50 - 60	GH15LT, MT, NT, PT
RTD320	690	144 - 320	50 - 60	GH15RT, ST, TT
RTD800	690	240 - 800	50 - 60	GH55, 55B, 57, 57B GH62, 64

Application/Limitation

Marine, offshore and industrial use.

Type Approval documentation

Tests carried out

Type tests according to IEC 60947-4-1 / EN60947-4-1, Vibration test.

Marking of product

Manufacturer identification, product type and rating

Periodical assessment

The scope of the periodical assessment is to verify that the conditions stipulated for the Type approval are complied with and that no alterations are made to the product design or choice of materials.

The main elements of the assessment are:

- Inspection on factory samples, selected at random from the production line (where practicable)
- Results from Routine Tests (RT) checked (if not available tests according to RT to be carried out)
- Review of type approval documentation
- Review of possible change in design, materials and performance
- Ensuring traceability between manufacturer's product type marking and Type Approval Certificate.

Periodical assessment is to be performed after 2 years and after 3.5 years. A renewal assessment will be performed at renewal of the certificate.

END OF CERTIFICATE