



TYPE APPROVAL CERTIFICATE
No. ELE354722XG

This is to certify that the product below is found to be in compliance with the applicable requirement of the RINA type approval system.

<i>Description</i>	OVERLOAD RELAY AND ACCESSORIES
<i>Type</i>	T16, TF42 - Thermal Overload Relay
<i>Applicant</i>	ABB STOTZ-Kontakt GmbH Eppelheimer str. 82, Heidelberg GERMANY
<i>Manufacturer</i>	ABB STOTZ-Kontakt GmbH
<i>Place of manufacture</i>	Eppelheimer str. 82, Heidelberg GERMANY
<i>Reference standards</i>	Rules for the classification of ships.- Part C - Machinery, systems and fire protection. - Ch.3, Sect. 6, Table 1.

Issued in **Hamburg** on **January 25, 2023**. *This Certificate is valid until* **January 24, 2028**



RINA Services S.p.A.
Giuseppe Russo

This certificate consists of this page and 1 enclosure

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Enclosure - Page 1 of 1
T16, TF42 - Thermal Overload Relay

Product description:

The **T16** and **TF 42** devices are three pole thermal overload relays which are ambient temperature compensated and phase loss sensitive. They are used mainly to protect electrical motors against overload and phase failures.

Main characteristics:

Phase loss sensitivity
Temperature compensation from -25°C+60°C
Adjustable current setting for overload protection
Automatic or manual reset selectable
Suitable for three-and single-phase application
Trip-free mechanism
Trip indication
STOP and TEST function
Direct mounting onto mini contactor
Sealable cover

Technical data:

- Number of poles	3
- Rated operational voltage (Ue)	690V
- Conventional free air thermal current (Ith)	0,1 A up to 16A (T16) 0,1 A up to 40A (TF42)
- Rated frequency	50 / 60 Hz
- Rated prospective short-circuit current	1 kA (T16) 1 kA ≤ 16 A and 3 kA > 16 A (TF42)
- Rated conditional short-circuit current (Iq)	35 kA
- SCPD	Fuses
- Trip class	10
- Degree of protection	IP 20

Documentation:

- ABB Data Sheet and Drawing for Thermal Overload Relay TF 42
- ABB Data Sheet and Drawing for Thermal Overload Relay T16

Test Reports:

- Paconsult / DAR No. 09-2475A, dated of 03.07.2009

Remarks:

- The products fulfill EC-Code: EC31.
- This certificate replace the certificate no.: ELE121217XG

Hamburg January 25, 2023

