

# ICE CLASS ANTI FREEZE, DE-ICE, DISTRIBUTION & CONTROL

Subject to change without prior notice TPS2436 REV. A 10.07.2017



Tranberg TEF 1072 is a compact distribution and control system for heating cables on vessels, or onshore facilities.

The system consists of a panel that includes everything from incoming power to terminals for outgoing circuits. The panel door includes a main switch, an Ampmeter and common alarm lamp.

The TEF 1072 may be delivered with a customer-specific number of circuits. In order to minimize in-rush current, the system automatically turns on the circuits, or a group of the circuits, with a user selectable delay interval.

### APPLICATION

- De-ice control system
- Anti-freeze control system

### FEATURES AND BENEFITS

- Main switch, Ampmeter and common alarm lamp installed in panel door.
- From 10 to 50 circuits
- Uses high power contactors for activating the various circuits
- One circuit breaker and earth fault switch per circuit
- Adjustable timer relays allow independent delays between circuits as these are turned on
- Alarm signals may vary from one common signal to one alarm signal per circuit breaker/earth fault switch
- All cable entries in bottom of panel
- The TEF 1072 vary in width according to the number of circuits, while the compactness ensure installations in limited spaces.

## TECHNICAL DATA

### Control function:

Number of circuits:	10 - 50
Type of outputs:	contactors
Type of circuits:	230V

### Distribution board rating:

Voltage:	230/400V +6% -10%
Frequency:	50Hz +/- 5%
Nominal current rating:	Dependent on system configuration
Short-time withstand current:	Dependent on system configuration
Assymmetric peak withstand current:	Dependent on system configuration
RMS symmetric breaking current:	Dependent on system configuration

### Incoming isolator/circuit breaker:

Rated voltage:	230/400V
Rated current:	250A
Short-circuit making current:	176 kA
Short-circuit breaking current:	25 kA
Short time withstand current:	8 kA for 1 second

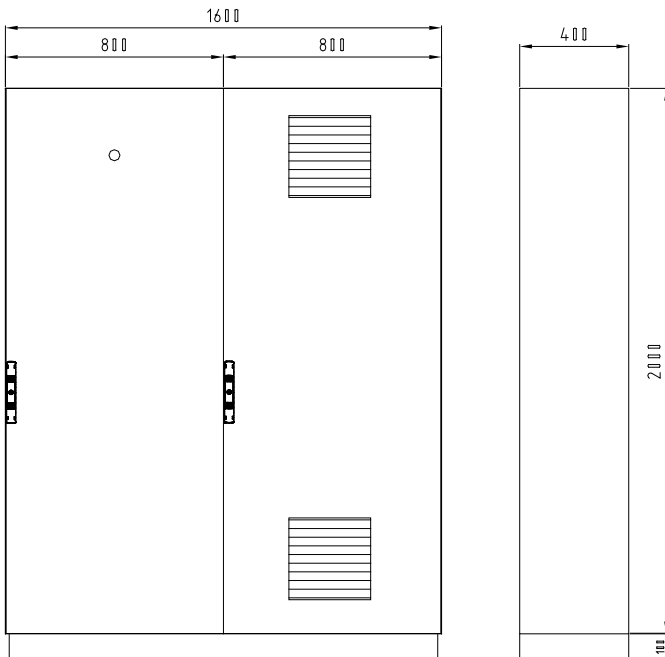
### Outgoing circuit breakers:

Rated voltage:	230/400V
Rated current:	10-25A
Short-circuit making current:	Dependent on system configuration
Short-circuit breaking current:	10 kA (EN 60898)
Short time withstand current:	Dependent on system configuration

### Construction:

Type of panel:	Floor mounted powder coated panel
Degree of protection:	IP 54 (IP 20 with open doors)
Surface protection and finish:	RAL 7035 powder coated
Lifting lugs:	Yes. May be delivered with certificates
Internal space heater:	Optional installed
Cable entries:	Bottom of panel
Relative humidity:	Max. 90%
Ambient operating temperature:	-10 to 60°C
Ambient storage temperature:	-20 to 65°C

## DIMENSIONS \*



100A104174

\* Dimensions are dependent on system size.