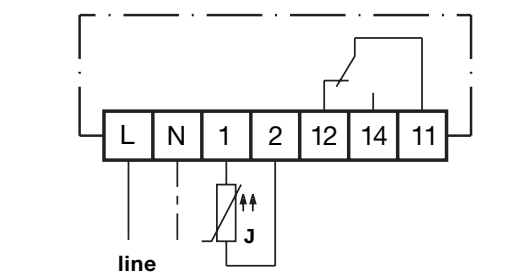
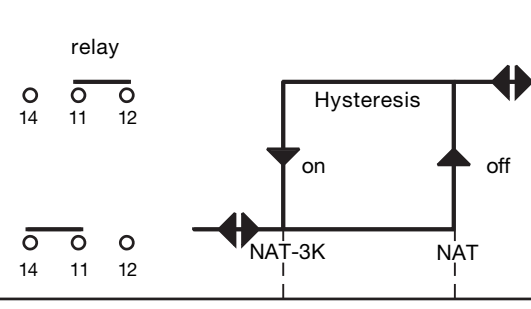
# INT69® Control Module

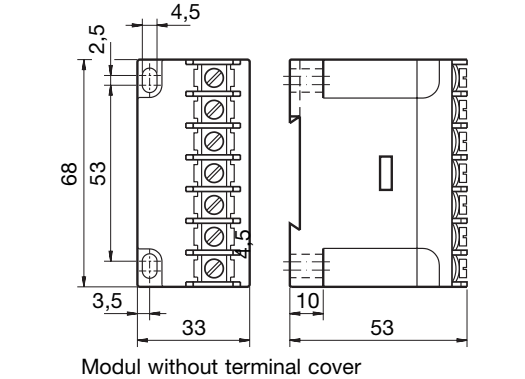

INT69




Connection diagram




Switching hysteresis




Modul without terminal cover

Dimensions in mm

## Motor protection module with UL approval

### Application:

Due to its robust and compact construction and the high ambient temperature compatibility, the INT69 motor protector is suitable for installation in the terminal box of electric motors. The module is highly reliable and is in use in millions of installations world-wide.

### Functional description:

Up to 9 PTC-sensors to DIN 44081/082 with different nominal response temperatures can be connected in series to the measuring circuit input. Hence it is possible to monitor one or several motor drive units (e.g. motor windings, gear drives, shaft bearings) for thermal overload with only one INT69 motor protector.
If the temperature in one of the areas monitored exceeds the nominal response temperature of the respective PTC-sensor, the sensor resistance increases and the INT69 motor protection module switches the motor contactor off. The module resets when the temperature drops below the response temperature by approx. 3 K. The output relay provides a potential-free change-over contact and is energized as long as the nominal response temperature is not exceeded. This results in an additional self-monitoring function, since the device also trips on PTC or lead open circuit.

⚠ The unit must be connected by trained electrical personnel. All valid standards and instructions for installing electrical components must be observed. Maximum values for supply voltage of this unit may not be exceeded.

### Technical data

| | |
|---|---|
| Supply voltage | AC 50/60 Hz 240 V ±10 % 3 VA |
| Admissible ambient temp. | -30...+70 °C |
| Measuring circuit | |
| - Type | PTC to DIN 44081/082 |
| - Number of sensors | 1 to 9 in series |
| - $R_{25, all}$ | <1800 Ω |
| Relay output | AC 240 V, 2.5 A, 360 VA ind. |
| Service life | approx. 1 x $10^6$ switching cycles |
| Protection class to EN 60529 | with terminal cover: IP20<br>without terminal cover: IP00 |
| Mounting | on 35 mm standard rail acc. to EN 50022 |
| Dimensions (complete) | 68 x 33 x 56.5 mm |
| Housing | PA6 GF25 |
| Weight | 160 g |
| **Part-No.** | **52 A 120 S62** |

c UL us **File No E 75899**

Subject to technical modifications.

Product group A

Edition: 690.00032.0

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