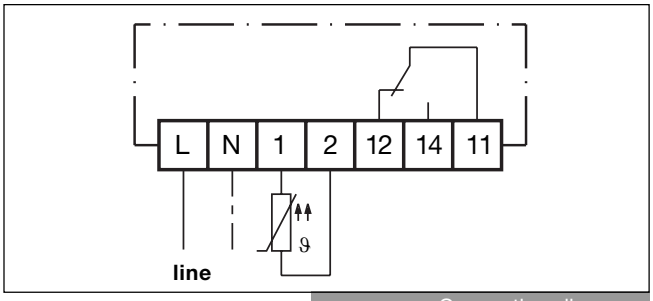
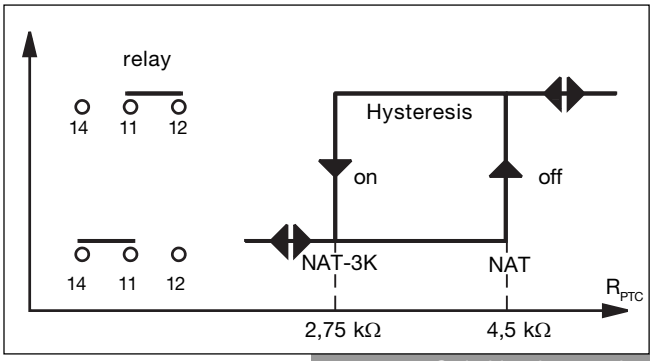
INT69® Motor Protector

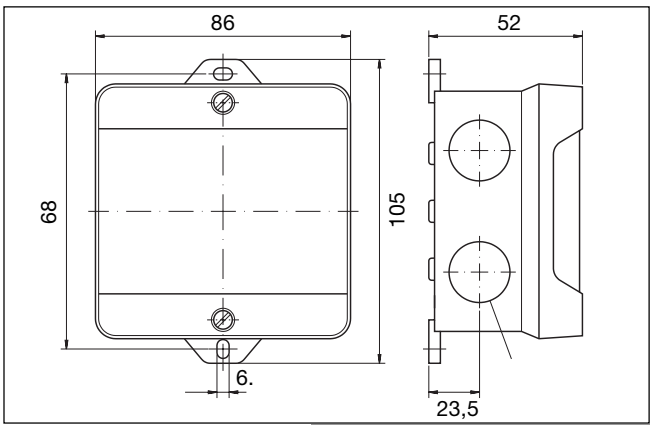
INT69



Connection diagram



Switching hysteresis



Maße in mm

INT69 Motor protector

Application:

The INT69 motor protector is a well-proven all-round module for thermal protection of electric devices. It is mounted in double-housing, with insulated and thus suitable for wall-mounting in damp areas.

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 40 ... 60 Hz 230 V ±10 % 3 VA
Ambient temperature	-30...+70 °C
Measuring circuit	
- Type	PTC to DIN 44081/082
- Number of sensors	1 to 9 in series
- $R_{25, all}$	<1800 Ω
Output relay	AC 250 V, max. 6 A, 300 VA ind.
Service life	approx. 1 x 10^6 switching cycles
Protection class to EN 60529	IP54, ISO-housing; not for mounting in direct sunlight!
Mounting	base-mounted
Dimensions	105 x 86 x 52 mm
Weight	240 g
Part No.	**52 A 101**

Other supply voltages on request.

Subject to technical modifications.

Product group A

Edition: 690.00031.0

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