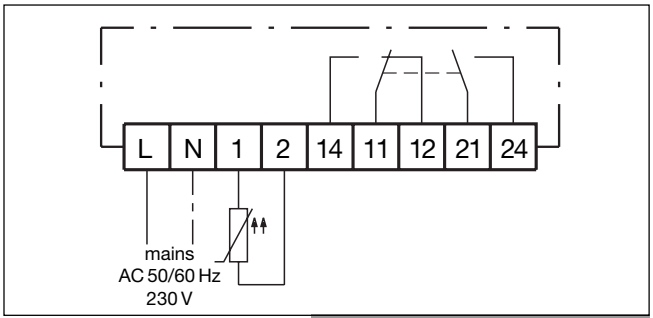
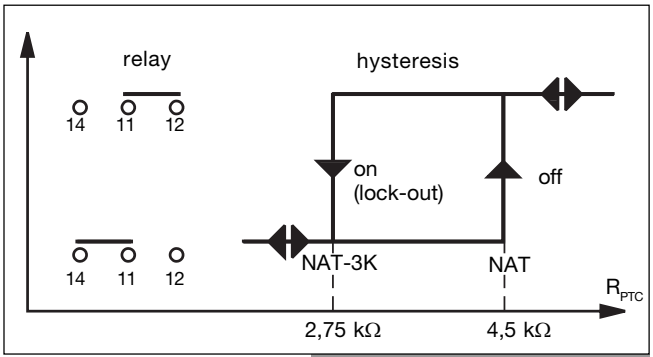
INT69 V® Protection Module

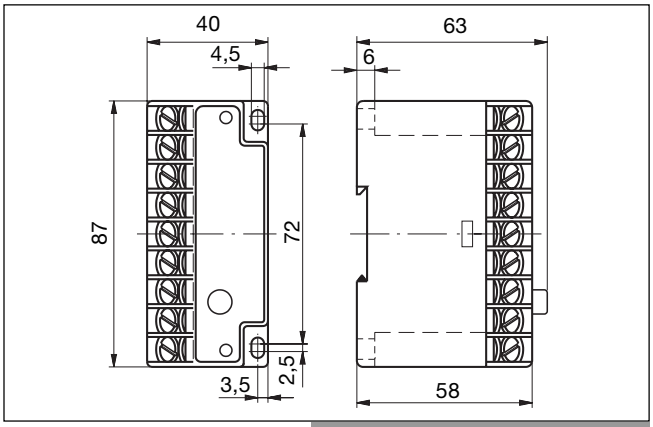
INT69 V



Connection Diagram



Switching Hysteresis



Dimensions in mm

Application:

The INT69 V control module has been developed for electric drives which should lock out after thermal trip.

Functional description:

Up to 9 PTC-sensors in acc. 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 temperature points (e.g. cylinder head, motor windings, oil sump etc.) for thermal overload with only one INT69 V control module.
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 V control module switches off. After cooling down, the motor can only be restarted if the lockout function of the output relay is cancelled by actuating the reset button or by interrupting the supply voltage.
The relay switching output are a potential-free change-over contact and a N/O contact.
This circuit operates according to the closed-circuit principle; with sensor or lead open circuit the relay drops back in rest position and switches off.
The INT69 V is fitted with a mains power indicator (glow lamp) and a fault indicator lamp (red LED).

⚠ 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 230 V ±10% 3 VA
Amb. temperature range	-30...+60 °C
Measuring circuit	
- Type	PTC to DIN 44081/082
- Number of sensors	1 to 9 in series
- $R_{25\ tot}$	≤ 1800 Ω
Relay	1 change-over, 1 N/O
Relay output	AC 250 V, max. 5 A, 300 VA ind.
Service life	approx. 1 mio. switching cycles
Protection class to	with terminal cover IP20
EN 60529	without terminal cover IP00
Mounting	snap on standard rail acc. to EN 50 022 or base-mounted
Dimensions	87 x 63 x 40 mm
Part No.	**52 A 124 S10**

Subject to technical modifications.

Product group A

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KRIWAN Industrie-Elektronik GmbH · Allmand 11 · D-74670 Forchtenberg · Phone ++49-7947- 822-0 · Fax ++49-7947- 1288 · e-mail: info@kriwan.com · home: www.kriwan.com