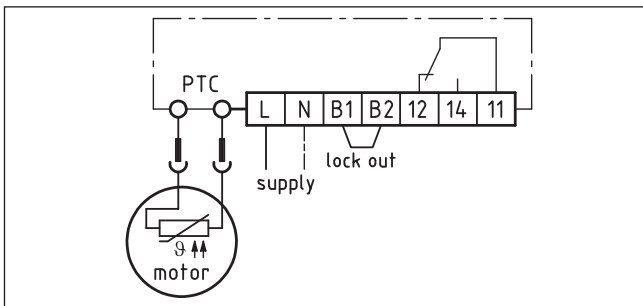


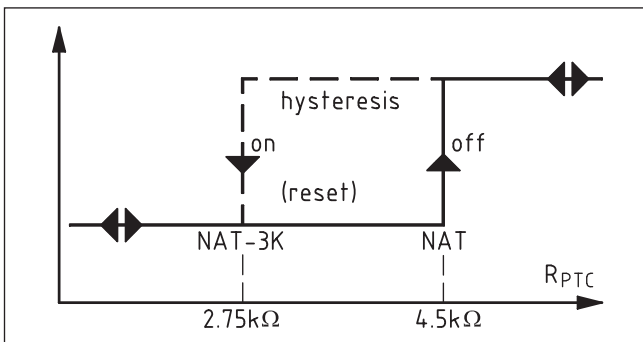
SE-B1 Protection Module



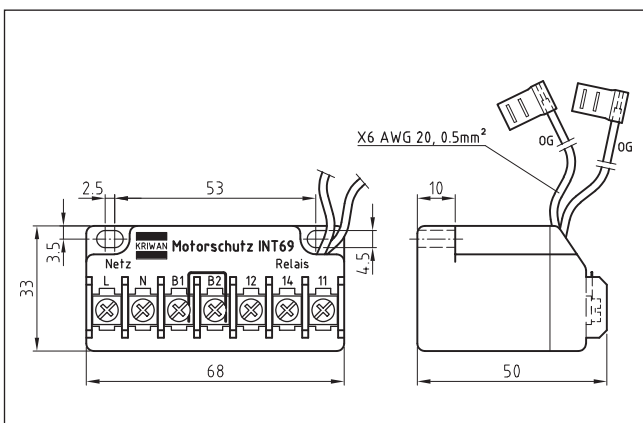
SE-B1



Connection Diagram



Switching Hysteresis



Dimensions in mm

Application:

The motor protector SE-B1 device is special developed for electric drives which may not

switch on again automatically 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 (orange leads). Hence it is possible to monitor one or several temperature points with only one SE-B1 control module. If any thermistor exceeds its response temperature, its resistance increases above trip level and the output relay drops out. The motor can be restarted after cooling down below the response temperature and the lockout function of the output relay is released by interrupting the

supply voltage. In case of removing jumper B1-B2 the lockout function is bypassed.

The relay is fed out as a potential-free change-over contact. Under good conditions the relay is pulled in. Sensor and mains circuit are galvanically isolated.



The unit must be connected by trained electrical personnel. All valid standards for connecting electrical

equipment must be observed. Limit values for the supply voltage of the unit may not be exceeded.

Technical data

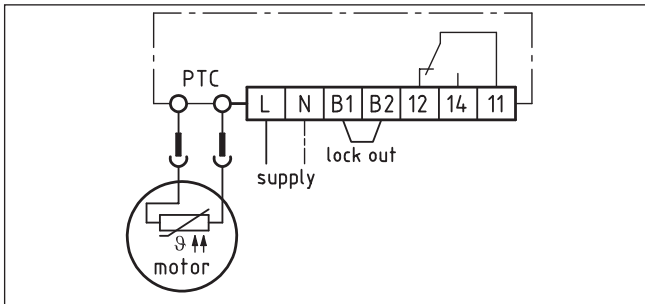
| | |
|-----------------------------------|--|
| Supply voltage | AC 50/60Hz 230/240V ± 10% 3VA |
| Ambient temperature range | -30...+70°C |
| Temperature monitoring | |
| - Type | PTC, acc. to DIN 44081/082 |
| - Number | 1...9 in series |
| - R _{25, total} | < 1800Ω |
| - Connection | Lead 2 x AWG20, L=120mm with fastons 6.3 x 0.8mm |
| Relay | AC 240V, max. 2.5A, C300 |
| Service life | approx. 1 mio. switching cycles |
| Protection class acc. to EN 60529 | IP00 |
| Approvals | UL File No. E75899 |
| Connection | screw connectors |
| Mounting | screw-mounted |
| Housing | PA66 GF25 |
| Dimensions | 50 x 33 x 68mm |
| Weight | approx. 170g |
| Part No. | 52 A 230 |

Subject to technical modification without notice

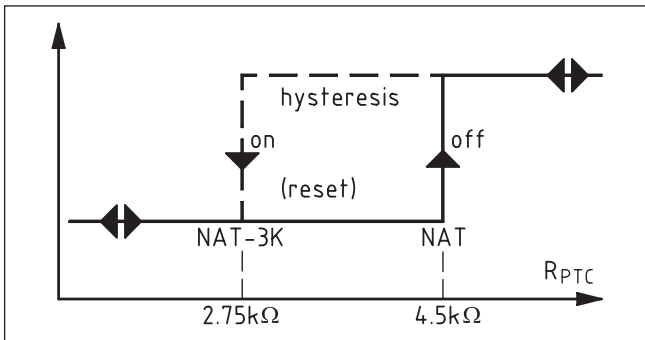
SE-B2 Protection Module



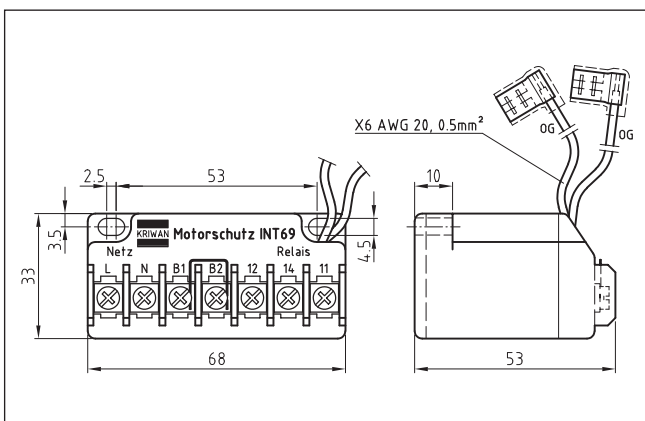
SE-B2



Connection Diagram



Switching Hysteresis



Dimensions in mm

Application:

The motor protector SE-B2 device is special developed for electric drives which may not

switch on again automatically 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 (orange leads). Hence it is possible to monitor one or several temperature points with only one SE-B2 control module. If any thermistor exceeds its response temperature, its resistance increases above trip level and the output relay drops out. The motor can be restarted after cooling down below the response temperature and the lockout function of the output relay is released by interrupting the

supply voltage. In case of removing jumper B1-B2 the lockout function is bypassed.

The relay is fed out as a potential-free change-over contact. Under good conditions the relay is pulled in. Sensor and mains circuit are galvanically isolated.



The unit must be connected by trained electrical personnel. All valid standards for connecting electrical

equipment must be observed. Limit values for the supply voltage of the unit may not be exceeded.

Technische Daten

| | |
|-----------------------------------|--|
| Supply voltage | AC 50/60Hz 230/240V ± 10% 3VA |
| Ambient temperature range | -30...+70°C |
| Temperature monitoring | |
| - Type | PTC, nach DIN 44081/082 |
| - Number | 1...9 in Serie |
| - $R_{25g, total}$ | < 1800Ω |
| - Connecting | Lead 2 x AWG20, L=350mm with fastons 6.3 x 0.8 mm isolated |
| Relay | AC 240V, max. 2.5A, C300 |
| Service life | approx. 1 mio. switching cycles |
| Protection class acc. to EN 60529 | IP00 |
| Approvals | UL File No. E75899 |
| Connection | screw connectors |
| Mounting | 35mm standard rail, acc. to DIN EN 50022 or screw-mounted |
| Housing | PA66 GF25 |
| Dimensions | 53 x 33 x 68mm |
| Weight | approx. 170g |
| Part No. | 52 A 125 S21 |

Subject to technical modification without notice