

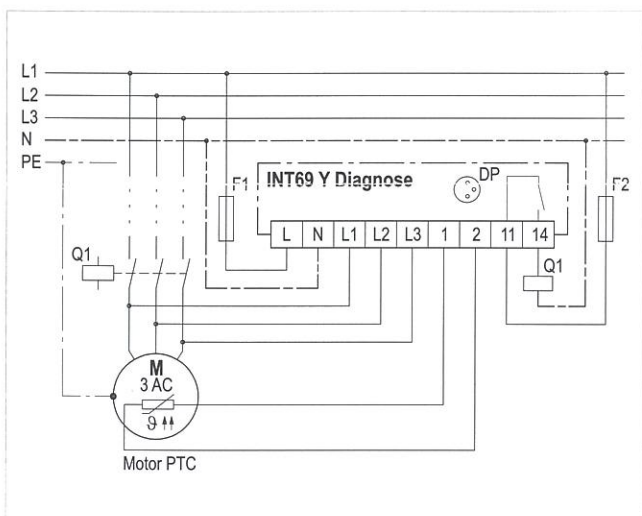


INT69 Y[®] Diagnose

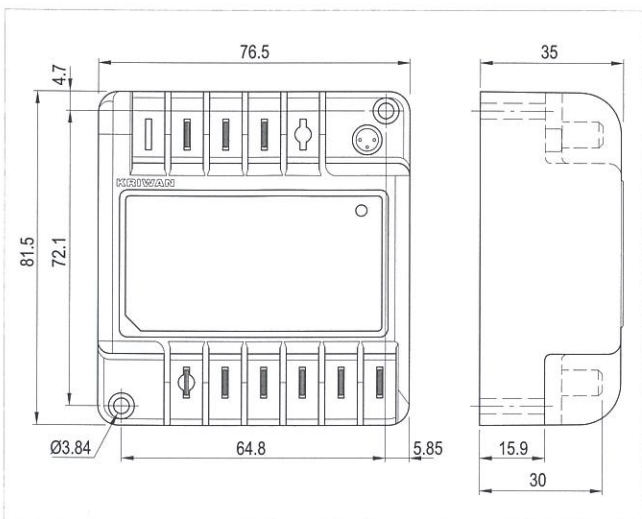
INT69 Y[®] Diagnose



INT69 Y Diagnose



Wiring diagram



Dimensions in mm

Application

The compressor protection INT69 Y Diagnose is a further development of the reliable KRIWAN motor protectors. Additional inputs for the phase monitoring as well as supplementary flexible-response protective functions help to improve the availability and extend the service life of a refrigeration system.

The INT69 Y Diagnose automatically saves operational and error data in a non-volatile memory. This data can be retrieved and analysed for diagnosis. The full scope of the diagnosis is achieved by using a KRIWAN-specific AMS sensor.

This motor protector is mainly employed on compressors of which the motor's direction of rotation is essential for the function.

Functional description

The temperature monitoring in the motor winding is done according to the static evaluation process; the motor is switched off immediately if the nominal response temperature of the built-in AMS or PTC sensors is reached.

A short circuit at an AMS or PTC input also leads to a switch-off. A short cycling leads to a reset delay.

Following cooling off and/or error rectification and subsequent restart delay, the compressor may be restarted. Restart after a lock-out is only possible after a reset.

The phase monitoring of the motor voltage is active 1s after the start of the motor. The correct phase sequence is monitored for 5s, the phase failure is monitored for the total motor running time. If a wrong phase sequence is detected, the motor protector will lock switch off, if there is a phase failure then a switch-off takes place.

After motor stop, the phase monitoring is deactivated for approx. 15s to prevent unintended locking due to brief reverse running of the compressor.

For operation in the specified manner, the supply voltage has to be on permanently on the INT69 Y Diagnose.

The built-in LED signals the current status of the motor protector (see flash code).

! The mounting, maintenance and operation are to be carried out by an electrician. The valid European and national standards for connecting electrical equipment and cooling installations have to be observed. Connected sensors and connection lines that extend from the terminal box have to feature at least a basic insulation.

See back side for further specifications

Technical changes reserved