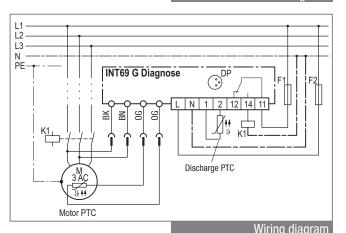
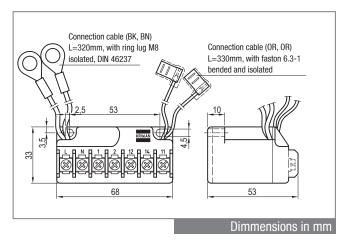


INT69 G® Diagnose



INT69 G Diagnose







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.

Order data

0.40.444	
INT69 G Diagnose	51154
Accessories and application	see www.kriwan.com
information	

Application

The compressor protection INT69 G Diagnose is a further development of the reliable KRIWAN motor protectors. An additional input for a discharge gas sensor and its supplementary flexible-response protective functions help to improve the availability and extend the service life of a refrigeration system.

The INT69 G Diagnose automatically saves operational and error data in a non-volatile memory. This data can be retrieved on a PC and analysed for diagnose. The full scope of the diagnose is achieved by using a KRIWANspecific AMS sensor.

This motor protector is mainly employed on small and medium semithermal piston compressors.

Functional description

The temperature monitoring of the motor winding is done with two evaluation processes:

- Static: Switch-off is immediate if the nominal response temperature of the built-in AMS or PTC sensors is reached.
- Dynamic: If the temperature increases unusually quickly, the motor is switched off immediately even if the temperature is still far below the nominal response temperature. This prevents excess temperatures from occurring.

The discharge gas temperature is evaluated statically.
A short circuit at an AMS or PTC input also leads to a switch-off. A short cycling leads to a reset delay. If no discharge gas sensor is installed, a 100 ohm resistor has to be installed at the input.

After cooldown or elimination of the error and a subsequent reset delay, the compressor can be restarted.

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

Technical enecifications

AC 50-60Hz 115-230V ±10% 3VA
-30+70°C
1-2 AMS sensors in series alternative 1-9 PTC acc. to DIN 44081, DIN 44082 in series <1,8 k Ω 4,5 k Ω ±20% 2,75 k Ω ±20% 30m
Typically <30 Ω
AC 100V at 20Hz up to 175V at 90Hz AC 460V ±15%
Suitable
3 switch-offs in 30 sec.
1min ±12s 5min ±1min 10min ±2min 5min ±1min Main reset >5 sec. only possible if
there is no error current
AC 240V 2,5A C300 at least AC/DC 24V 20mA Approx. 1 million switching cycles
Diagnose port (DP)
IP00
Eye screw M8 (operating reco-
gnition), flat plug sleeves (PTC), screw terminals
gnition), flat plug sleeves (PTC),
gnition), flat plug sleeves (PTC), screw terminals
gnition), flat plug sleeves (PTC), screw terminals PA glass-fibre-reinforced Can be snapped onto 35mm standard rail as per EN 60715
gnition), flat plug sleeves (PTC), screw terminals PA glass-fibre-reinforced Can be snapped onto 35mm standard rail as per EN 60715 or screw mounted
gnition), flat plug sleeves (PTC), screw terminals PA glass-fibre-reinforced Can be snapped onto 35mm standard rail as per EN 60715 or screw mounted Refer to dimensions in mm