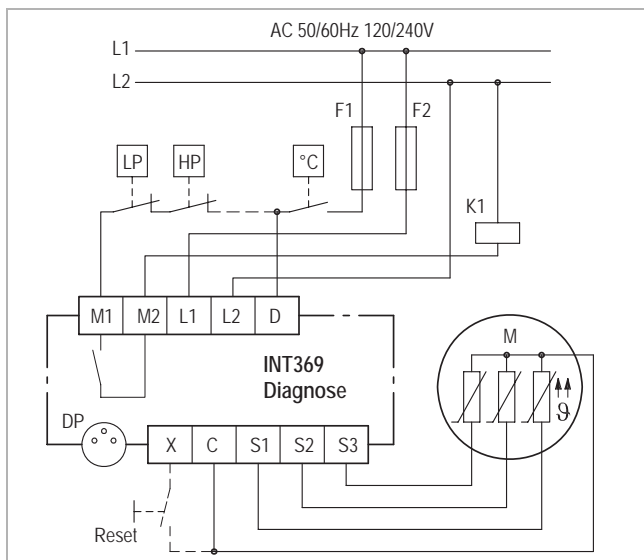


INT369® Diagnose

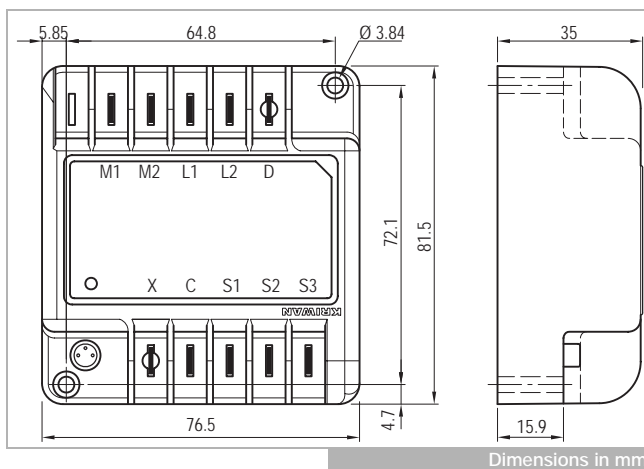
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INT369



Wiring diagram



Dimensions in mm

! The unit must be connected by trained electrical personnel. All valid European and national standards for connecting electrical equipment and cooling installations must be observed.

Application

The motor protector INT369 Diagnose is a further development of the reliable KRIWAN compressor protection units. By additional, flexibly reacting protective functions, the service life of a cooling system can be extended. The comprehensive diagnostics and data storage functions help to identify the causes of possible malfunctions quickly and reliably.

The protective functions and product features in detail:

- Static and dynamic protection for the motor
- Undervoltage monitoring of the supply voltage
- Diagnose display using LED

Advanced diagnostic function with KRIWAN Diagnose Port (DP):

- Operational and error data in nonvolatile memory
- Static analysis of motor running times
- Identification of switch states of external components of the safety circuit (connection of demand signal required)
- Monitoring of the relay contact
- Indirect monitoring of the contactor

Functional description

The temperature monitoring of the motor is performed using various evaluation procedures:

- **Static:** When the rated shut-off temperature is reached in the motor winding, the output relay shuts off immediately.
- **Dynamic:** In case of an unusually fast rise in temperature in the motor winding, the output relay shuts off considerably before the rated shut-off temperature is reached. This prevents excess temperature from occurring in the motor.

A time delay prevents the compressor from being switched back on too quickly after fault shutdown. The supply voltage of the motor protector is monitored for undervoltage. The device triggers, if the voltage drops below a fixed predefined value. The time delay for restarting is also active here and prevents conductor chatter in case of undervoltage. This time delay can be reset only by briefly connecting the terminals "X" and "C". The built-in LED signals the current status of the motor protector (see KRIWAN flash code).

Technical specifications

Supply voltage	AC 50/60Hz 120/240V -20...+10%, ≤3VA
Undervoltage limits	85V (120V) / 170V (240V)
Permitted ambient temperature	-40...+70°C
Temperature sensors	PTC according to DIN 44081/082
- Number of sensors	3 (parallel)
- Trip point	13kΩ ±3kΩ
- Reset point	3.25kΩ ±0.5kΩ
Reset delay	120s ±20s
Relay Contact	Max. AC 240V 2.5A C300 Min. >AC/DC 24V, >20mA
Mechanical service life	Approx. 1 million switching cycles
Interface	KRIWAN Diagnose Port (DP)
Protection class acc. to EN 60529	IP00
Connection type	6.3mm flat connection
Housing material	PA66, glass-fibre-reinforced
Mounting	Screw mounted
Dimensions [mm]	81.5x76.5x35 mm (LxWxH)
Weight	Approx. 190 g
Check base	EN 61000-6-2 EN 61000-6-3 EN 61010-1
Approval	UL File No. E75899

Order data

INT369 Diagnose	22 A 278
Accessories on request	

Technical changes reserved