SEC-ENGLISH-Gefahrenhinweise-V1.00-20210701

Hazard Warnings

Hazard warnings in this manual indicate potential harm to the user or the product. For the person interacting with the product, the level of risk includes consequences ranging from slight, up to lethal injuries. As for the product, disobeying the warnings may cause damage to the equipment and/or void the warranty. Therefore, said warnings are made apparent to instruct and warn the user, which precautions have to be made prior to performing any actions described in this manual. The user must read and be familiar with the manual, before performing any tasks as described in this manual.

Hazard warnings in this manual are presented in these three forms:

WARNING: These warning notices refer to personal safety. Failure to obey these notices could result in personal injury or death.

CAUTION: General precautions must be made. Failure to obey these notices could result in personal injury and/or equipment damage.

NOTE: Directs the user's attention to essential information.

SEC-DS-ENGLISH-TEMPSCH-V2.01-2014.10.08

Datasheet for the temperature switch series S06

1 General

The windings of the actuator motors are standard equipped with temperature switches. These temperature switches are configured as normally closed contacts. Exceeds the winding temperature of the motor a specific, tailored to the insulation class value, the contact of the temperature switch opens. In each phase winding of the motor there is a temperature switch. All these temperature switches are connected internally in series in the motor and appear functionally to the outside as a single overall temperature switch. By integrating this temperature switch in the motor drive, the motor is protected against unforeseen increases in temperature due to overload. The temperature switch must be involved in the motor control that the operation of the motor is prevented in response to the temperature switch!

WARNING: If locked rotor, the motor is not adequately protected by the temperature switch. In this case, a motor protection switch is also provided (or overload relay).

2 Dimensions

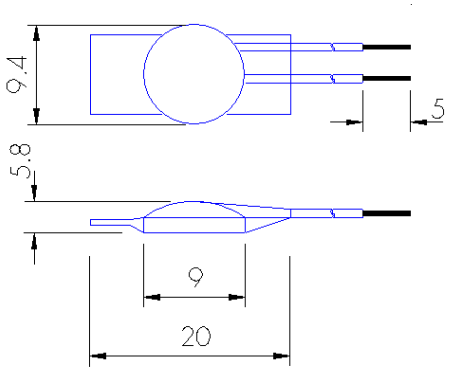

Figure 1: *Dimensions*

3 Technical data

Rated voltage ..... 250V, 50 Hz
Rated voltage at cosφ = 1,0 ..... 10A
Rated voltage cosφ = 0,6 ..... 6,3A
Operating voltage ..... max. 500VAC / DC
High dielectric strength of the insulation housing 2kV

The temperature switch S=06 series were further tested for the following values:

- 220V DC, 0,5A (resistive)
- 100V DC, 1,0A (resistive)
- 60V DC, 2,5A (resistive)
- 12V DC, 10A (resistive)