

## 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.



**WARNING**

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



**CAUTION**

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

## Data sheet for thermal switches S01 and T11

### 1 General:

The windings of the motor of actuators are usually equipped with thermal switches. The thermal switches are normally closed contacts. If the temperature in the motor rises over a certain level (according to the insulation class), the contact of the thermal switch opens. There is a thermal switch in each winding of the motor (that means, a 3-phase-AC motor contains 3 thermal switches). These thermal switches are electrically series connected. The motor is protected from thermal overload by thermal switches which switch off the motor reversing starter in case of overheating

**WARNING: The motor is not protected by the thermal switches in case of a blocked rotor. Additional motor protection (e.g. motor protection relay or switch) should be provided if necessary.**



# WARNING

### 2 Technical Data:

voltage range .....	12...500VAC, 12...220VDC
nominal current 250V, 50Hz, ( $\cos\varphi=1,0$ ).....	2,5A
nominal current 250V, 50Hz, ( $\cos\varphi=0,6$ ).....	1,6A
nominal current 220DC, resistive .....	0,5A

Other information on request.