

# Low-temperature version -40°C with actuator heating Hz / HzA

## General

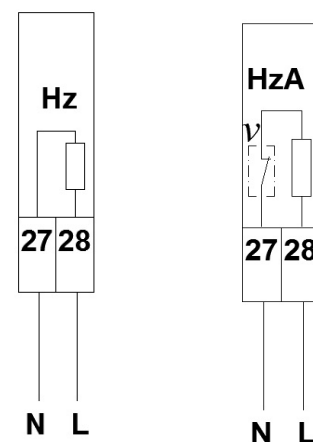
Heatings are used for actuators, which are exposed to cold or fluctuating temperatures, to avoid condensate formation.

The actuators of the AN and HAK series are generally usable for surrounding temperatures from -15°C to +60°C. By the installation of a heating and usage of special greases, the actuators can be used in surrounding temperatures up to -40°C.

## Execution of the heating resistors

The following executions are available:

1. Installation of a steady heating resistor „Hz“
2. Installation heating resistor „HzA“, automatic regulation of the heating resistor, switching on and off at about 10°C / 20°C (inner temp.)

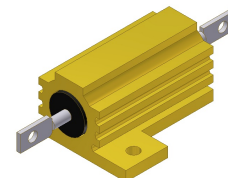


## Resistance values of the heating resistors

Hz 10kΩ / 25W for actuators **230V**

Hz 2,2kΩ / 25W for actuators **115V**

Hz 100Ω / 25W for actuators **24V**



# High-temperature version +80°C

## General

By using high-temperature-resistant components and reducing the duty cycle, the actuators can be used for ambient temperatures of up to +80°C.

A combination of high- and low-temperature versions is usually possible.