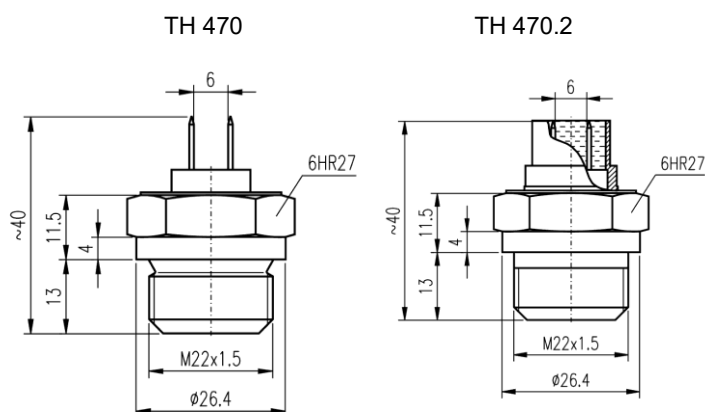


THERMOSTATS SERIES TH 470, 470.1, 470.2

Description

The thermostat is a single unit. The sensor and switching system are assembled, adjusted and secured in a brass housing. The body has an OK 27 hexagon bolt and an M 22x1.5 6h thread which is used to fix the thermostat in the designated hole of the ŠKODA passenger car engine cooling system. The connecting clips are flat pins 6.3x0.8 mm. The connection terminals are electrically isolated from the thermostat body. The thermostat is supplied with a 22x27 sealing ring.

Dimensional drawings



Installation

The thermostat must only be installed and connected to the electrical circuit of the auxiliary cooling fan in ŠKODA passenger cars by a qualified workshop. The following recommendations must be followed during installation:

- The thermostat is fastened in the threaded hole M22x1.5 with wrench no. 27, with a torque of max. 50 Nm. Screwing and fixing must not be done by gripping the flat pins on the switch head
- The fastening thread is M22x1.5
- Connection to the electrical circuit is carried out using flat pins 6.3x0.8 according to ČSN EN 61 210
- Install the thermostat in the vehicles specified in these instructions
- The switch body "sensor" must not come into contact with aggressive substances that react corrosively with brass

Intended usage

Thermostats TH 470 are designed for switching of el. circuit of the supplementary cooling fan in ŠKODA vehicles. The operating position of the thermostat is arbitrary. Consult the manufacturer for any other use. After installing the TH, follow the instructions in the manual of the car in which the TH is installed.

Effect on the other products

As a result of the operation of the TH, there is a short-term voltage fluctuation at the contacts, which is superposed to the power supply wave shape.

Technical data

Thermostats are made in switching version (Z).

Thermostat	TH 470	TH 470.1	TH 470.2
Car type	ŠKODA 105, 120	ŠKODA 105, 120	ŠKODA FAVORIT
Switching temperature	95°C ±3°C	85°C ±3°C	97°C (+2°C, -3°C)
Switch of temperature	>80°C	>77°C	>88°C
Sensitivity	(4 ÷ 18)°C	(4 ÷ 11)°C	>2°C
Nominal contact load	12 V, 8 A ss	12 V, 8 A ss	12 V, 8 A ss
Resistance to shaking	5 g	5 g	5 g
Weight	55 g	55 g	55 g
Max. temperature - temporary	115°C	115°C	125°C
Ambient temperature	(-40 ÷ +90)°C	(-40 ÷ +90)°C	(-40 ÷ +95)°C
Lifetime	10 000 cycles		

Storage conditions

Storage can be carried out in closed ventilated areas in the temperature range 0-40°C with a relative humidity of max. 80%. Storage and handling must not damage the threads and connection terminals.

Disposal

Dispose of the TH as follows: Take the TH to a scrap yard.

Warranty

Provided that the thermostat is installed, wired and used in accordance with the instructions on the installation and operating manual, the manufacturer warrants the thermostat in accordance with the applicable code, unless otherwise agreed.

The manufacturer will refuse warranty repairs if the unit has been damaged:

- During transport and storage by the customer or his customers
- During installation or dismantling on the equipment of the customer or his customers
- In case of improper handling and installation in equipment other than is specified in the instructions
- If the thermostat has been exposed to an environment other than specified in the instruction

Warranty and post-warranty repairs

Warranty and post-warranty repairs are provided by the manufacturer. Pack the defective product and send it to following address:

APATOR POWOGAZ CZECHIA s.r.o.

Havlíčková 919/24

787 01 Šumperk

Czech Republic

Tel.: +420 583 718 261

E-mail: prodej@metra-su.cz

www: www.metra-su.cz