

High-performance temperature switch

S6300

Bimetal temperature switch with integrated power relay with fixed switching point



Description

The temperature switch S6300 with integrated power relay is used for the charge of more than 10 A in reference on temperature. With this temperature switch it is not necessary anymore to wire up an additional relay. This benefit allows you to reduce costs and time during the installation and save place in your process.

The case leads the temperature to the bimetal-element. At the preset temperature level the bimetal element activates the power relay and the monitored circuit will be closed. After reaching the reset point the switching element recapture the starting position again.

Special features

- o easy installation
- o protection class IP67
- o integrated power relay
- o power rating up to 30 A

Measuring ranges

- o factory adjusted switching point
- o from +40 °C up to +110 °C in 10 °C steps

Applications

Cooling and heating circuits,
compressors and engines,
heat exchangers

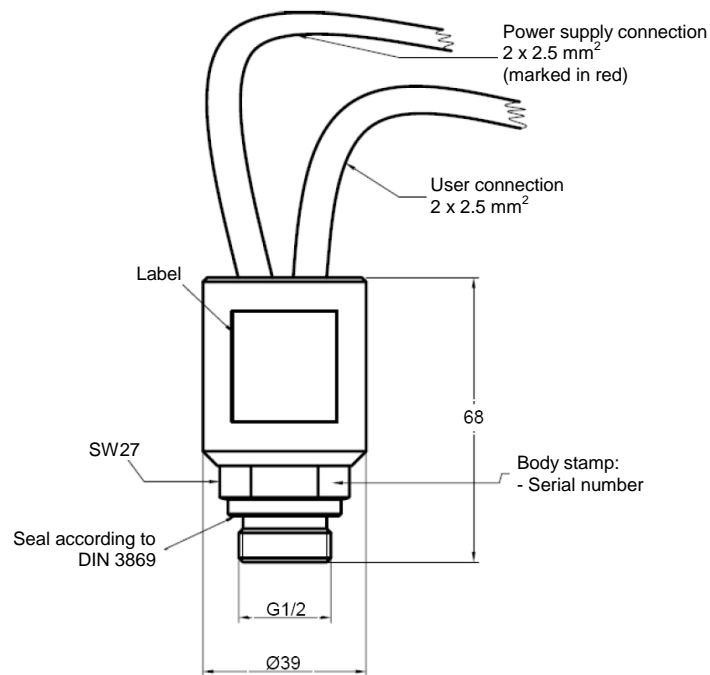
model S6300		No standardtyp
switching point	working temperature	Article number
+40 °C	-20... +120 °C	S6300C040001
+50 °C	-20... +120 °C	S6300C050001
+60 °C	-20... +120 °C	S6300C060001
+70 °C	-20... +120 °C	S6300C070001
+80 °C	-20... +120 °C	S6300C080001
+90 °C	-20... +120 °C	S6300C090001
+100 °C	-20... +120 °C	S6300C100001
+110 °C	-20... +120 °C	S6300C110001

Model: S6300

Technical Data

Model	S6300 Temperature switch with integrated power relay
Sensor element	bimetal
Process connection Standard Optional	G1/2 G3/8, M22 x 1.5
Materials Pressure connection Case	brass brass / PVC
Load cycles Mechanical Electrical	> 10 m switching cycles > 200,000 switching cycles
Supply voltage Standard Optional	24 VDC 12 VDC
Power consumption	< 70 mA
Switching outputs Number Switching function Power rating Adjustment - switching point - hysteresis	1 normally open (NO) max. 30 A (permanent load) factory adjusted 12 °C
Repeatability	± 3.5 °C
Temperature ranges Storage Media Ambient	-20... + 130 °C -20... + 130 °C -20... + 125 °C
Electrical connection Standard Optional	1.5 m open leads (2 x 2.5 mm ²) other cable length and connectors on request
Protection class	IP 67
Weight	Appr. 0.75 kg

Dimensions



Subject to technical alterations