

TECHNICAL DATA

FOZMULA
INNOVATION IN SENSORS

Temperature switches and sensors



The **S30** series temperature switches and the **T/T** temperature sensors compliment our other engine monitoring equipment.

Using a curie point switching element the **S30** provides absolute repeatability, automatic re-setting, compact size, great reliability in use and long life. There are five standard thread sizes each with three temperature settings, but other thread or temperature combinations can be offered if volumes are sufficient. **T/T** sensors generally utilise a precision NTC or PTC thermistor and are custom designed to each application. Please ask for more information.

SPECIFICATION

S30 series

Construction:

Body: Brass
Standard thread sizes: 1/2" NPTF, 3/8" BSPT, 1/2" BSPT and M18 x 1.5
Cap: 15% Glass filled Nylon 6
Terminals: 6.35mm (1/4") spades, Earth or Isolated return.

Dimensions:

See below

Electrical:

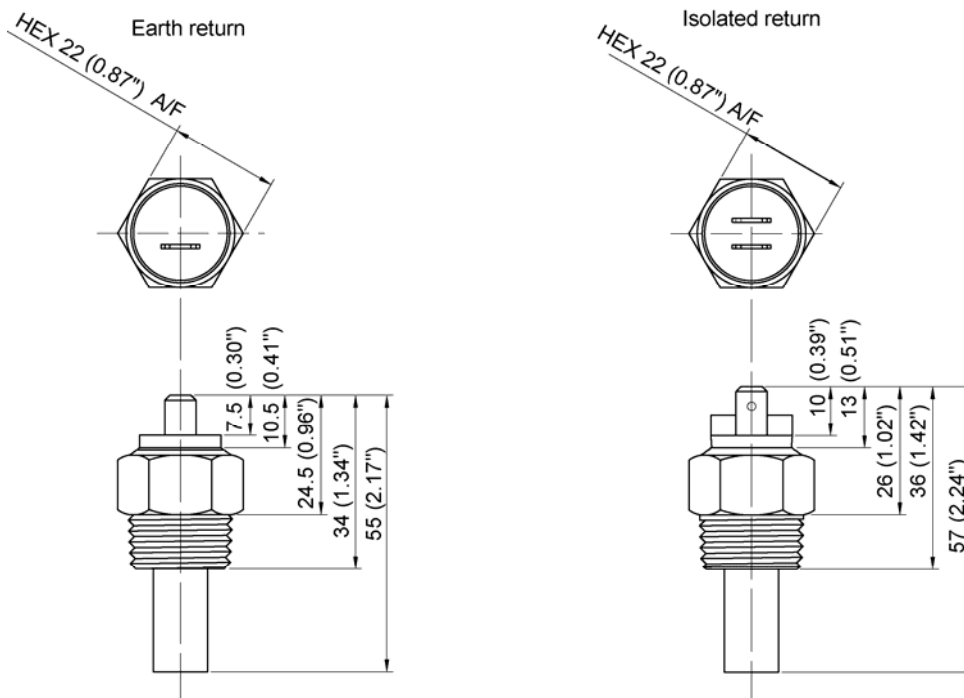
Switching: 2.5A @ 250VAC
Contacts: 1.6 A COS ϕ = 0.6
Switching tolerance: $\pm 5^{\circ}\text{C}$ ($\pm 10^{\circ}\text{F}$)
Switching differential: 10°C (20°F)

Temperature:

Full range: $+50^{\circ}\text{C}/+ 150^{\circ}\text{C}$ in 10°C increments - subject to minimum quantity (120°F to 300°F in 20°F increments)
Standard products: 90°C , 100°C , $105^{\circ}\text{C} \pm 5^{\circ}\text{C}$ (195°F , 212°F , $221^{\circ}\text{F} \pm 10^{\circ}\text{F}$)

T/T series

Manufactured using thermistors and custom housings to suit each application.



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