

Electric Vehicle Charging Inlet Application

THINKING
SENSOR

Charging Inlet

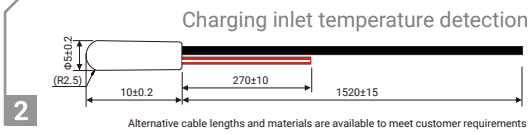
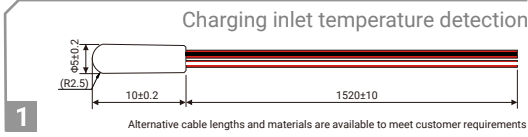


Electric Vehicle Application

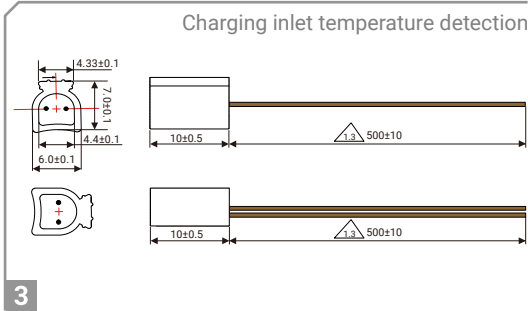


Charging Inlet Application

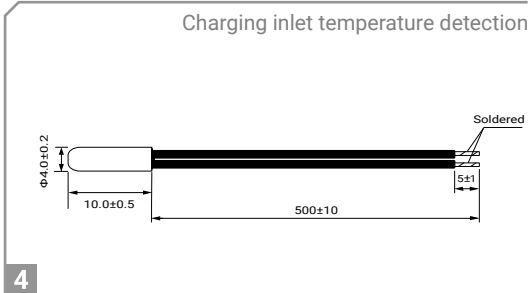
Metal Case Type



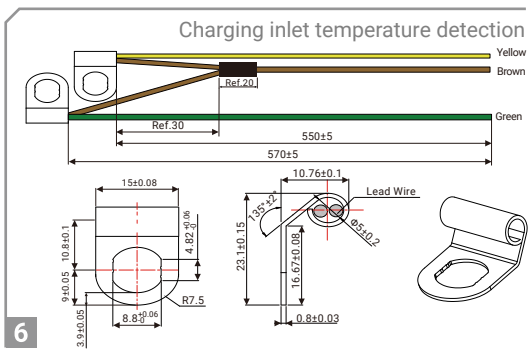
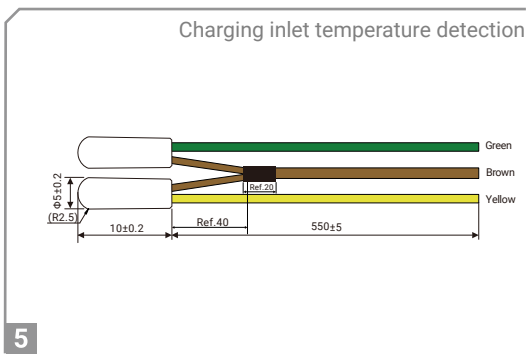
Plastic Case Type



Ceramic Case Type



Multiple Sensor Structure



Feature | Standard metal type

Operation Temperature | -40~+150°C

Thermal Time Constant | Around 15 seconds (in water)

R Value | R25=4.7KΩ±1%

B Value | B25/100=3985K±1%

Insulation Test | DC 500V 100MΩ (Min)

Hi-Pot Test | AC 1250V 0.5mA (Max)

Moisture Resistance | Pass 40±2°C 90~95% RH x 100 hours test

Feature | Designed for seamless contact between connector and sensor. Good moisture and corrosion resistances.

Operation Temperature | -40~+150°C

Thermal Time Constant | Around 15 seconds (in water)

R Value | R25°C=10KΩ±1%

B Value | B25/85=3994K±1%

Insulation Test | DC 500V 100MΩ (Min)

Hi-Pot Test | AC 3500V 10mA (Max)

Moisture Resistance | Pass 40±2°C 90~95% RH x 1000 hours test

Feature | High dielectric strength

Operation Temperature | -40~+150°C

Thermal Time Constant | Around 15 seconds (in water)

R Value | R90=2KΩ±1%

B Value | B25/90=3990K±1%

Insulation Test | DC 500V 100MΩ (Min)

Hi-Pot Test | AC 4000V 0.5mA (Max)

Moisture Resistance | Pass 40°C 95% RH x 1000 hours test

Feature | Metal sensing tops with high dielectric strength for multiple points temperature detection

Operation Temperature | -40~+150°C

Thermal Time Constant | Around 15 seconds (in water)

R Value | R25=4.7KΩ±1%

B Value | B25/100=3985K±1%

Insulation Test | DC 500V 100MΩ (Min)

Hi-Pot Test | Elements: AC 1500V 0.5mA

Metal sensing tops: AC 3000V 0.5mA

Moisture Resistance | Pass 40±2°C 90~95% RH x 100 hours test

Feature | Moisture and corrosion resistant ring terminals for simple and robust screw-on installation

Operation Temperature | -40~+150°C

Thermal Time Constant | Around 15 seconds (in water)

R Value | R25=4.7KΩ±1%

B Value | B25/100=3985K±1%

Insulation Test | DC 500V 100MΩ (Min)

Hi-Pot Test | AC 3000V 0.5mA (Max)

Moisture Resistance | Pass 40±2°C 90~95% RH x 100 hours test