

REACH ELECTRICAL (S) PTE LTD

51 Ubi Ave 1, #03-05, Paya Ubi Industrial Park, Singapore 408933

Tel: (65) 6296 6860 Fax: (65) 6298 1443

Email: reach@singnet.com.sg

Website: <http://www.reachelectrical.com>

Company's Reg. No. : 199004352W G.S.T Reg. No. M2-0095215-4



Cert. No.: SG02/00221

PTC Thermistors

Temperature Sensors For Motor Coils Protection

PTC thermistors act as thermal protection for electrical machines, and are well known particularly as motor-protectors. They are available with or without insulating sleeve and have flexible connecting leads. PTC thermistors have a non-linear resistance/temperature response, and at a specified temperature the resistance changes rapidly to a very high value.

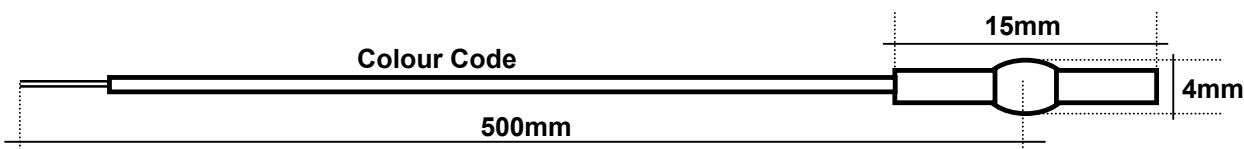
Standard Resistance Values

Standard Resistance Temperature (SRT)

Single PTC

YD 1
Single Thermistors
with Shrunk-Sleeve

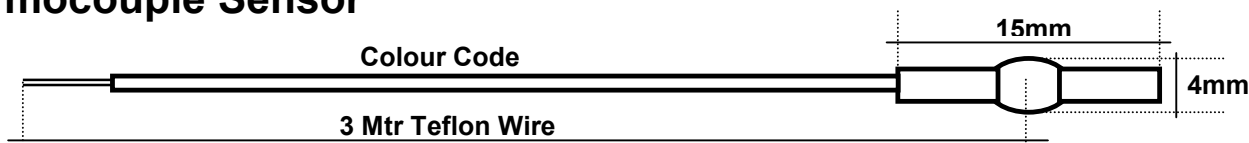
Temperature °C	Resistance Ω	Measuring Voltage V
-20 to (SRT) -20	200 max. / 100 max,	2.5
(SRT) -5	550 max.	2.5
(SRT)	1000	2.5
(SRT) +5	1330 min.	2.5
(SRT) +15	4000 min.	7.5



Single PTC YD = standard size bead 4mm with shrunk-sleeve

Model	Resistance Temperature	Colour Code
YD1-080 05 DZ C508	80 \pm 5	White – White
YD1-090 05 DZ C509	90 \pm 5	Green – Green
YD1-100 05 DZ C510	100 \pm 5	Red – Red
YD1-110 05 DZ C511	110 \pm 5	Brown – Brown
YD1-120 05 DZ C512	120 \pm 5	Grey – Grey
YD1-130 05 DZ C513	130 \pm 5	Blue – Blue
YD1-140 05 DZ C514	140 \pm 5	White – Blue
YD1-150 05 DZ C515	150 \pm 5	Black – Black
YD1-160 05 DZ C516	160 \pm 5	Blue – Red
YD1-180 05 DZ C518	180 \pm 5	Red – White

Thermocouple Sensor



PT-100Ω Sensor

Model	Temperature	Lead Wire
PT-100/2 Wires	0 - 400°C	3 meter
PT-100/3 Wires	0 - 400°C	3 meter

REACH ELECTRICAL (S) PTE LTD

51 Ubi Ave 1, #03-05, Paya Ubi Industrial Park, Singapore 408933

Tel: (65) 6296 6860 Fax: (65) 6298 1443

Email: reach@singnet.com.sg

Website: <http://www.reachelectrical.com>

Company's Reg. No. : 199004352W G.S.T Reg. No. M2-0095215-4



Cert. No.: SG02/00221

PTC Thermistors

Temperature Sensors For Motor Coils Protection

PTC thermistors act as thermal protection for electrical machines, and are well known particularly as motor-protectors. They are available with or without insulating sleeve and have flexible connecting leads. PTC thermistors have a non-linear resistance/temperature response, and at a specified temperature the resistance changes rapidly to a very high value.

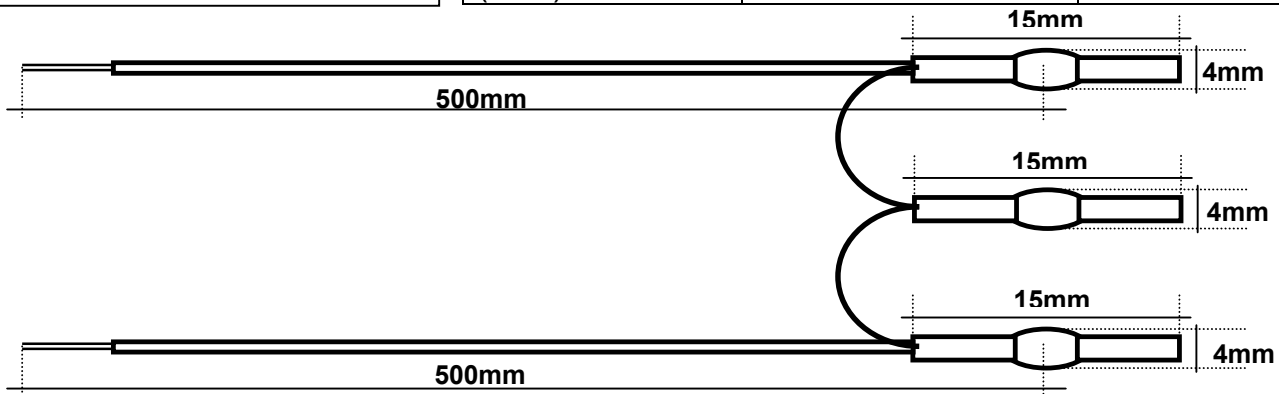
Standard Resistance Values

Standard Resistance Temperature (SRT)

Triple PTC

YD 3
Triple Thermistors
with Shrunk-Sleeve

Temperature °C	Resistance Ω	Measuring Voltage V
-20 to (SRT) -20	700 max. / 300 max,	7.5
(SRT) -5	1650 max.	7.5
(SRT) +5	4000 min.	7.5
(SRT) +15	4000 min.	7.5



Triple PTC YD = standard size bead 4mm with shrunk-sleeve

Model	Resistance Temperature	Colour Code
YD3-080 05 DZ C508	80 \pm 5	White – Black – Black – White
YD3-090 05 DZ C509	90 \pm 5	Green – Black – Black – Green
YD3-100 05 DZ C510	100 \pm 5	Red – Black – Black – Red
YD3-110 05 DZ C511	110 \pm 5	Brown – Black – Black – Brown
YD3-120 05 DZ C512	120 \pm 5	Grey – Black – Black – Grey
YD3-130 05 DZ C513	130 \pm 5	Blue – Black – Black – Blue
YD3-140 05 DZ C514	140 \pm 5	White – Black – Black - Blue
YD3-150 05 DZ C515	150 \pm 5	Black – Black - Black – Black
YD3-160 05 DZ C516	160 \pm 5	Blue – Black – Black - Red
YD3-180 05 DZ C518	180 \pm 5	Red – Black – Black - White