SCHNEIDER
MESSTECHNIK

ICS Cable sensors

ICS Schneider Messtechnik GmbH
Briesestraße 59
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Tel.: 03303 / 504066
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info@ics-schneider.de
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Without attaching parts	
Common calbe sensor	K1T, K1W
Cable sensor with small block	K10T, K10W
Cable sensor ith infeeding	K12T, K12W
Cable sensor for surface measurment	K13W
Sheated thermocouple cable sensor with stainless steel ring	500
Thermocouple cable sensor with fixed point cell	FP-KTE

With attaching parts	
Cable sensors with adjustable screwing	K6W, K7W, K6T, K7T
Cable sensor with bajonet lock cap	K9W, K9T
Cable sensor with cable tie	K11W, K11T
Cable sensor with scrweing in	K4T, K4W, K8W, K5WZ, K5W, K8T, K5T

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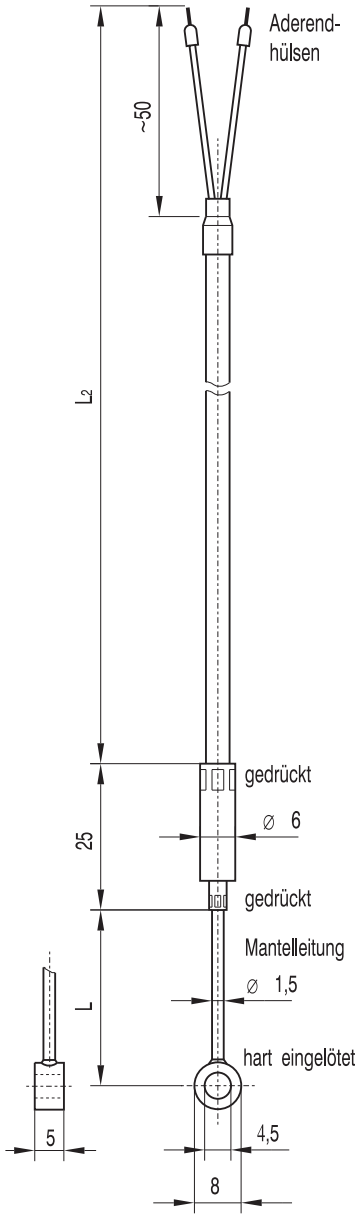
Thermocouples
Sheathed Thermocouple
Series 500



Sheathed Thermocouple-Cable Sensor with stainless steel ring and thermo braided wire

Application temperature

up to +800 °C

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
on inquiry

Sheath material

1.4571
on inquiry

Material of the ring

Brass
on inquiry

Measuring point design

insulated of sheath
welded in sheath

Nominal length L

500 mm
on inquiry

Compensating cable length L_2

on inquiry

Type of compensating cable

GIGIV 2x0,22
on inquiry

Bending radius of the sheath material $\geq$ 5x$\varnothing$ d

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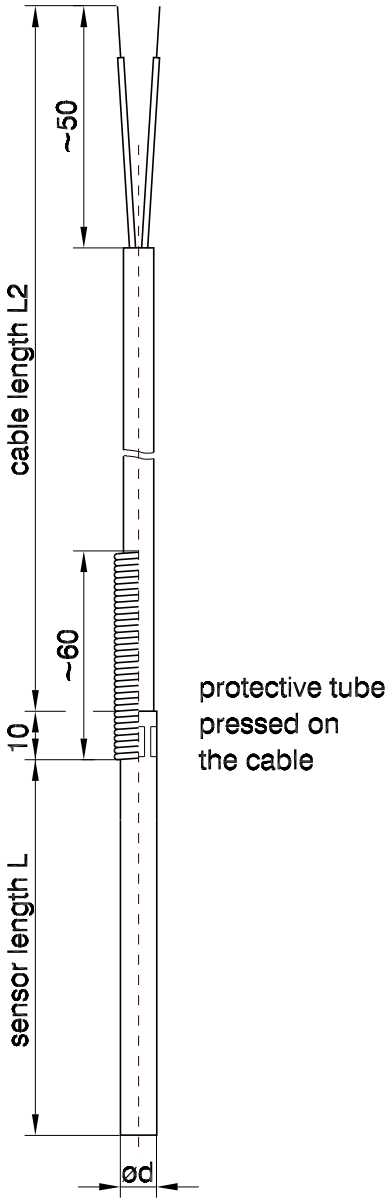
Resistance thermometers
Cable sensors
Series K1W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 10 mm

Sensor length L

on inquiry 30 ... 1000 mm

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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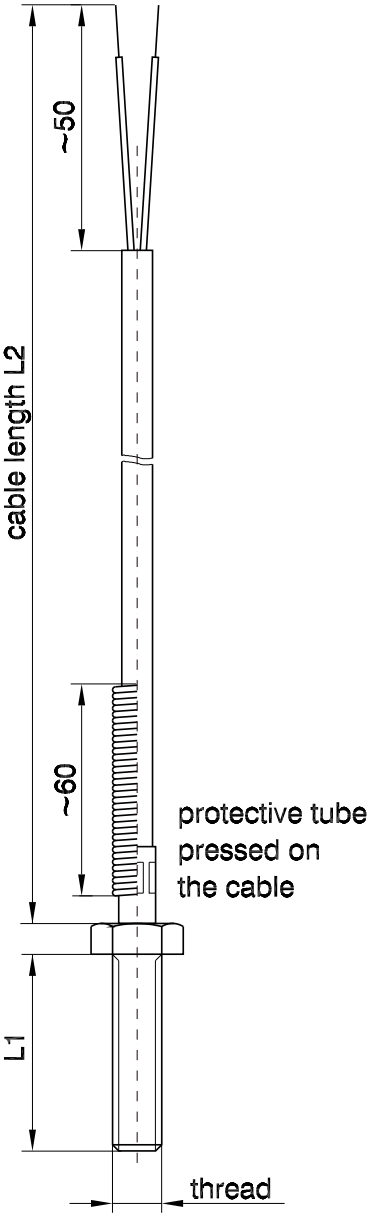
Resistance thermometers
Cable sensors
Series K4W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

stainless steel
on inquiry

Insert length L_1

on inquiry 10 ... 40 mm

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M6
M8
M10
G1/4A
on inquiry

Connector

free ends
connector on inquiry

Issue of 08/2021

Subject to change without notice

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Resistance thermometers
Cable sensors
Series K4W

declare desired temperature range for case of application

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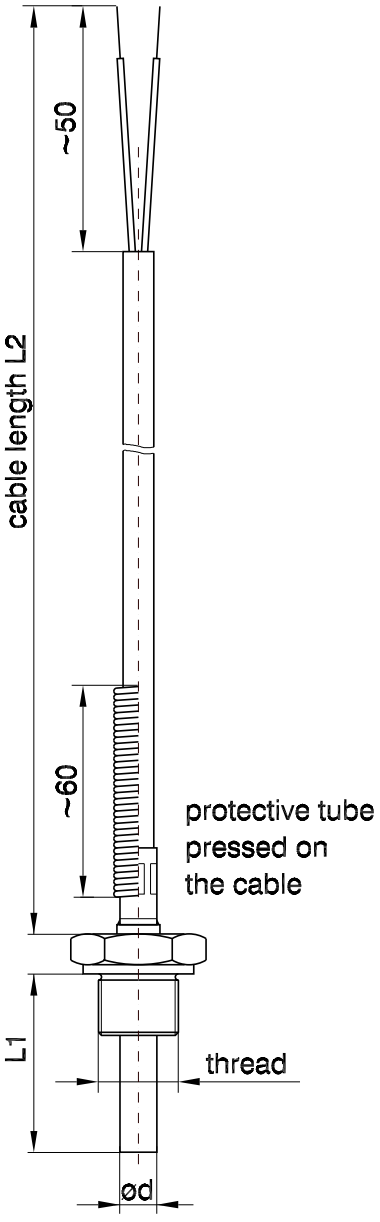
Resistance thermometers
Cable sensors
Series K5W



Construction

as Resistance Thermometer
as Sheathed Resistance Thermometer

Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 or W0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 or W0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 or W0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 or W0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 6 mm

Insert length L_1

on inquiry min. length of thread + 10 ... 1000 mm

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M10
G1/4A
G1/2A
on inquiry

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Resistance thermometers
Cable sensors
Series K5W

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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Bitte beachten Sie, dass der gesuchte Temperaturfühler aus dem Sortiment genommen wurde.

Please note the desired temperature sensor has been removed from the assortment.

Ausgabe 08/2021

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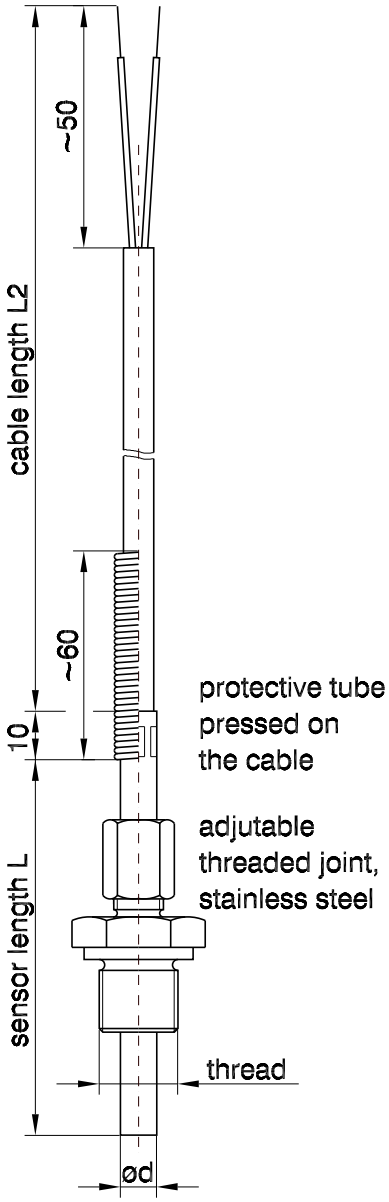
Resistance thermometers
Cable sensors
Series K6W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 10 mm

Sensor length L

on inquiry (length of screwing +10 ... 1000 mm)

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Locking ring in the screw connection

teflon clamp ring
metal clamp ring

Thread

on inquiry M8x1 ... G1/2A

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Resistance thermometers
Cable sensors
Series K6W

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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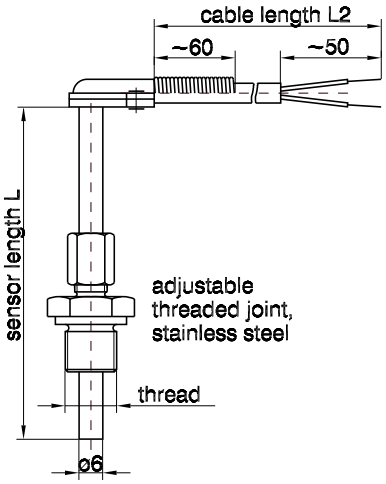
Resistance thermometers
Cable sensors
Series K7W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

1.4571
on inquiry

Protective tube diameter d

6 mm
on inquiry

Sensor length L

on inquiry (length of screwing +10 ... 1000 mm)

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M10x1
G1/4A
G1/2A
on inquiry

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Resistance thermometers
Cable sensors
Series K7W

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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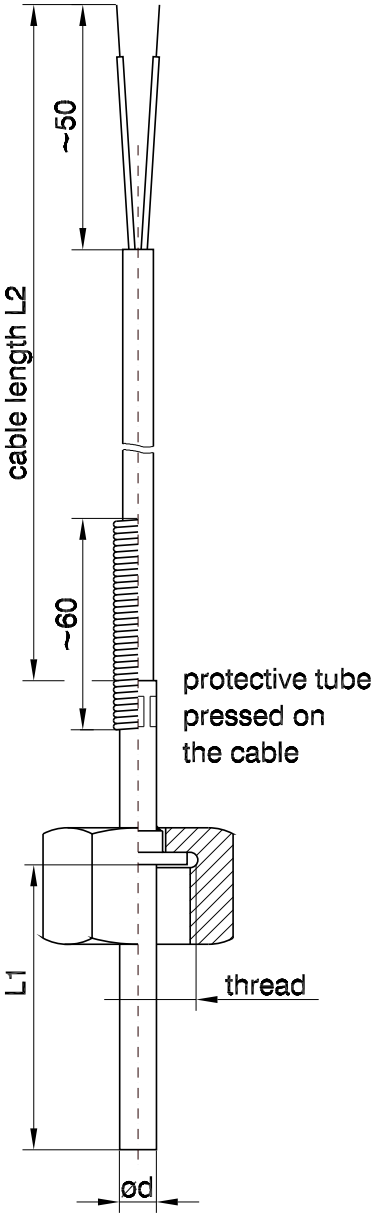
Resistance thermometers
Cable sensors
Series K8W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 10 mm

Insert length L_1

on inquiry min. length of thread + 10 ... 1000 mm

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M10x1
G1/2A
on inquiry

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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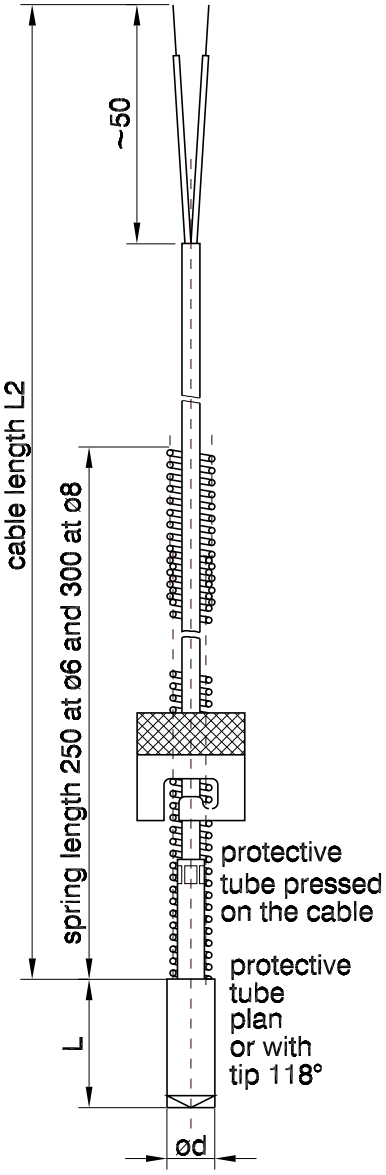
Resistance thermometers
Cable sensors
Series K9W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube form

planar
pointed 118°

Protective tube material

1.4305
on inquiry

Protective tube diameter d

6 mm
8 mm
on inquiry

Sensor length L

on inquiry 10 ... 30 mm

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Construction of bajonett cap

for thread nipple (bayjonet matching part) ⌀ 12
for thread nipple (bayjonet matching part) ⌀ 14

Connector

free ends
connector on inquiry

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Resistance thermometers
Cable sensors
Series K9W

Thread nipple

none
on inquiry

declare desired temperature range for case of application

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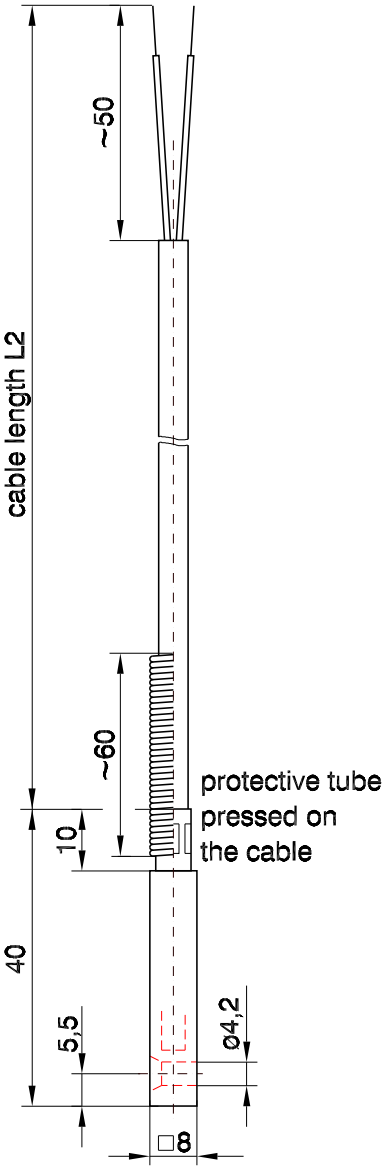
Resistance thermometers
Cable sensors
Series K10W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

aluminium
stainless steel
Brass
on inquiry

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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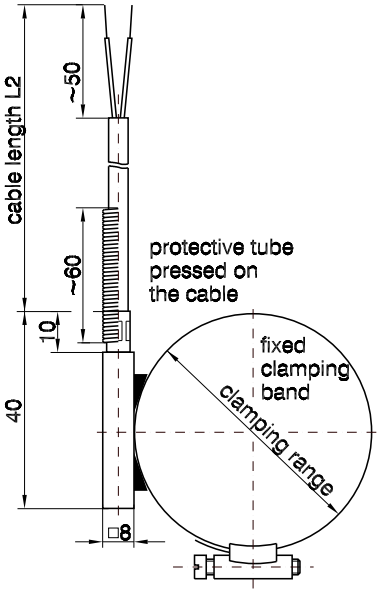
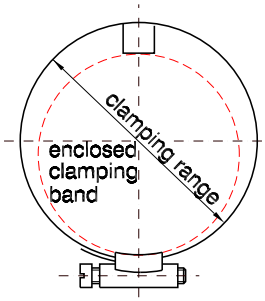
Resistance thermometers
Cable sensors
Series K11W





Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Protective tube material

stainless steel
Brass
on inquiry

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Clamping band

fixed
enclosed

Clamping range

20 - 32 mm
32 - 50 mm
50 - 70 mm
70 - 90 mm
90 - 100 mm
on inquiry

Bend protection

without
with spiral spring

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Resistance thermometers
Cable sensors
Series K11W

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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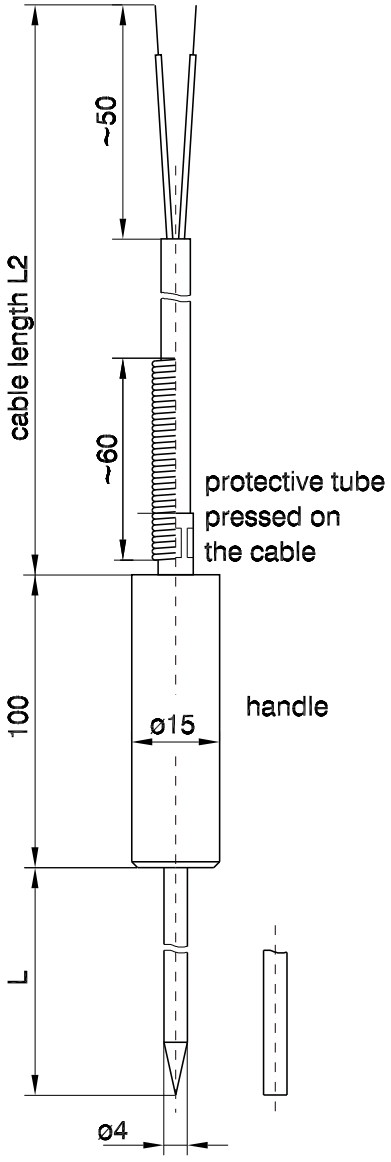
Resistance thermometers
Cable sensors
Series K12W



Application temperature

on inquiry, dependent on sensor and protective tube material

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
2xPt 100 cl. F0,15 acc. to DIN EN 60751
2xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit for 1xPt100

Handle material

stainless steel
PTFE (Teflon, max. 260 °C)

Protective tube form

planar
with penetration point

Protective tube material

stainless steel
on inquiry

Protective tube diameter d

4 mm
on inquiry

Sensor length L

on inquiry 20 ... 190 mm

Type of connection cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

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Resistance thermometers
Cable sensors
Series K12W

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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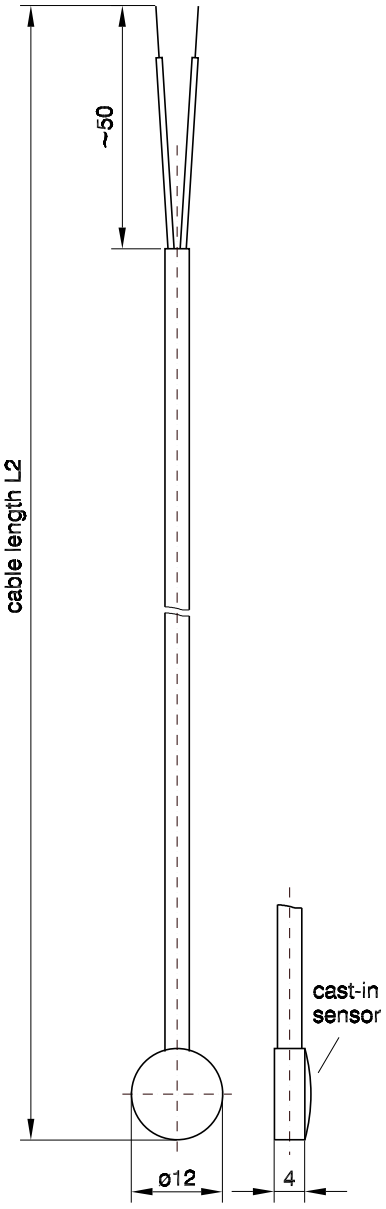
Resistance thermometers
Cable sensors
Series K13W



Construction

as Resistance Thermometer

Temperatursensor

1xPt 100 cl. F0,15 acc. to DIN EN 60751
1xPt 100 cl. F0,3 acc. to DIN EN 60751
on inquiry

Circuitry

2 wire circuit
3 wire circuit
4 wire circuit

Housing material

stainless steel
on inquiry

Case dimensions

⌀ 12 X 4

Sealing compound

for temperature range -40 ... 80°C
for temperature range -40 ... 180°C

Type of connection cable

TeSi 2xAWG24
TeSi 3xAWG26
TeSi 4xAWG26
on inquiry

Cable length L_2

on inquiry min. 100 mm

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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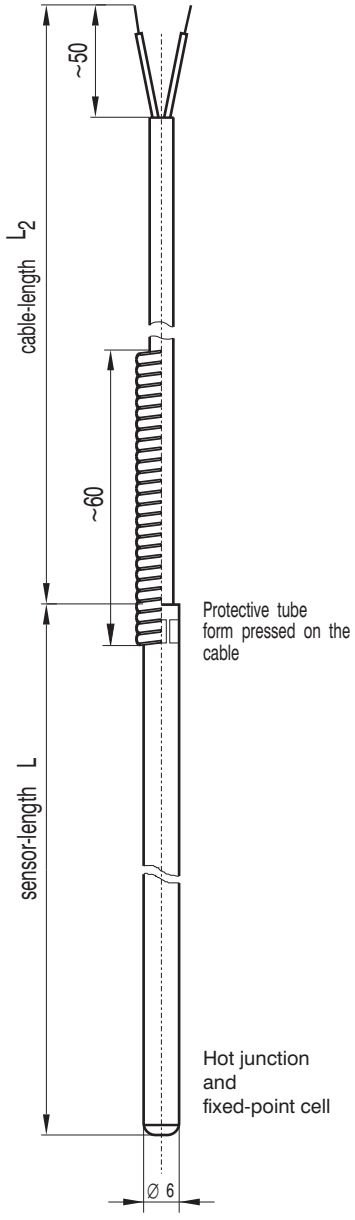
Thermocouples
Cable sensors
Series FP-KTE



Applications

Thermocouple with high stability fixed-point cell;
the fixed-point substance forces a typical signal during its melting and freezing (fixed-point plateau); calibration curve deviations of the whole measuring circuit will be recognisable and could be corrected

Thermo junction

L (Fe-CuNi) DIN 43 710
J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
N (NiCrSi-NiAl) DIN EN 60584
S (PtRh10-Pt) DIN EN 60584
B (PtRh30-PtRh6) DIN EN 60584

Number of Thermo junction

1 thermocouple

Fixed point material

Bi33In67 72,5 °C
In 156,59 °C
Sn 231,93 °C
Zn 419,53 °C
Al67Cu33 548,2 °C
Al87Si13 578,8 °C
Al 660,32 °C
Ag28Cu72 779,6 °C

Measuring point design

insulated, integrated in fixed point cell

Protective tube material

1.4571
on inquiry

Protective tube diameter d

6 mm
on inquiry

Sensor length L

on inquiry 50 ... 1000 mm

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Thermocouples
Cable sensors
Series FP-KTE

Compensating cable length L_2

on inquiry

Type of compensating cable

on inquiry

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

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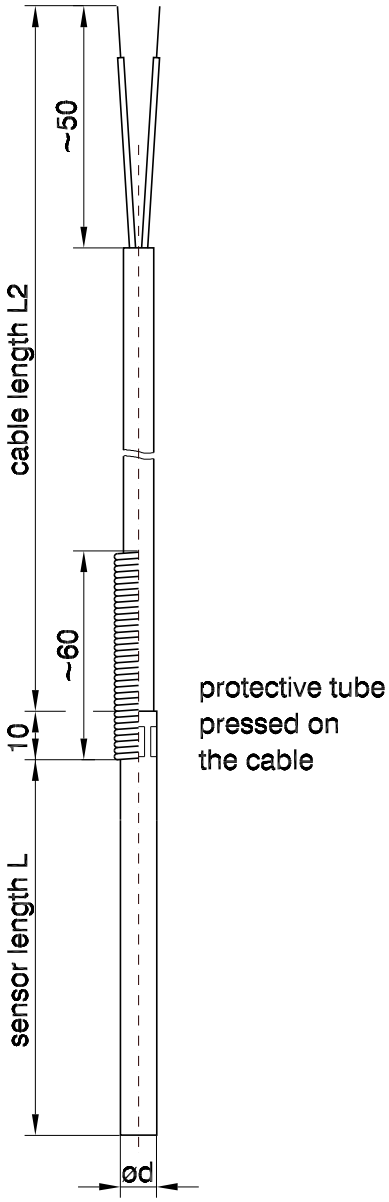
Thermocouples
Cable sensors
Series K1T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

1.4571

Protective tube diameter d

on inquiry 3 ... 10 mm

Sensor length L

on inquiry 30 ... 1000 mm

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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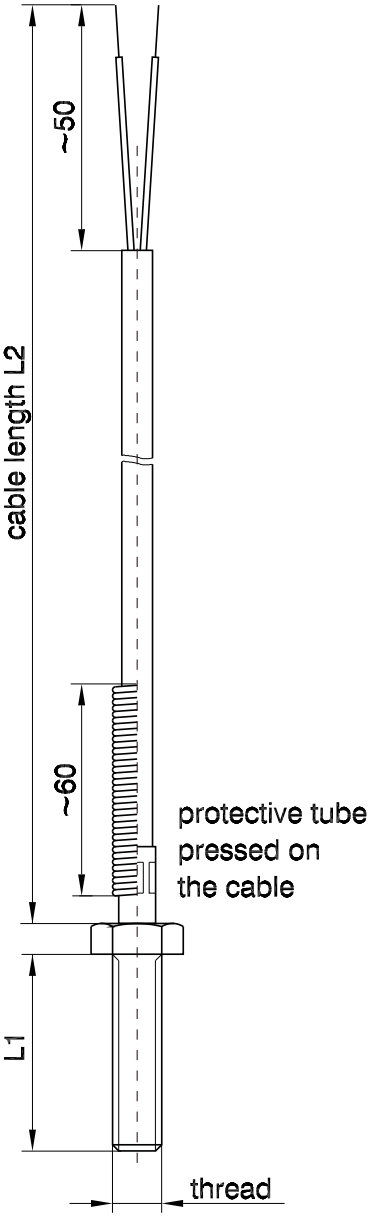
Thermocouples
Cable sensors
Series K4T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

stainless steel
on inquiry

Insert length L_1

on inquiry 10 ... 40 mm

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M6
M8
M10
G1/4A
on inquiry

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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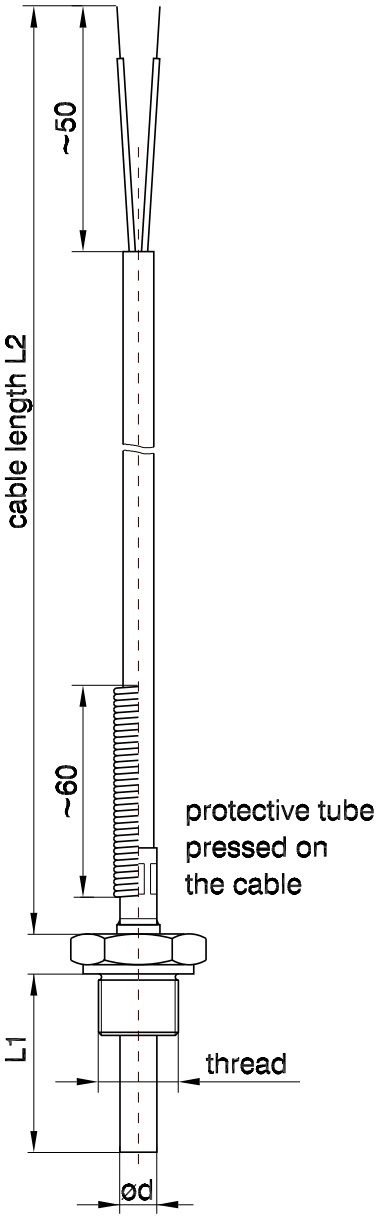
Thermocouples
Cable sensors
Series K5T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Measuring point design

insulated of protective tube
connected to protective tube
disconnected bead at 2 thermocouples
connected bead at 2 thermocouples

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 6 mm

Insert length L_1

on inquiry min. length of thread + 10 ... 1000 mm

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M10
G1/4A
G1/2A
on inquiry

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Thermocouples
Cable sensors
Series K5T

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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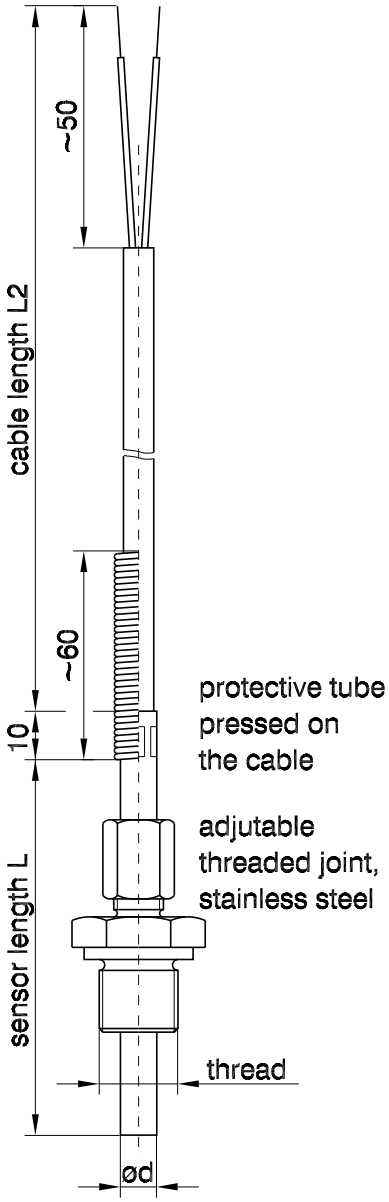
Thermocouples
Cable sensors
Series K6T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 10 mm

Sensor length L

on inquiry (length of screwing +10 ... 1000 mm)

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Locking ring in the screw connection

teflon clamp ring
metal clamp ring

Thread

on inquiry M8x1 ... G1/2A

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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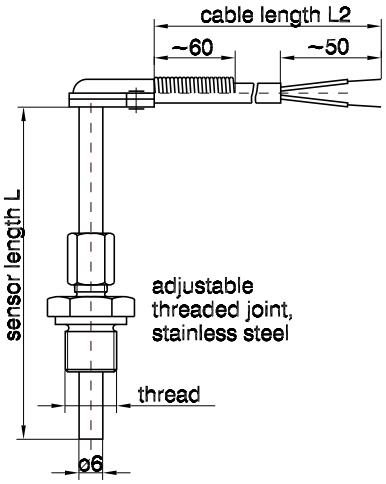
Thermocouples
Cable sensors
Series K7T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

1.4571
on inquiry

Protective tube diameter d

6 mm
on inquiry

Sensor length L

on inquiry (length of screwing +10 ... 1000 mm)

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M10x1
G1/4A
G1/2A
on inquiry

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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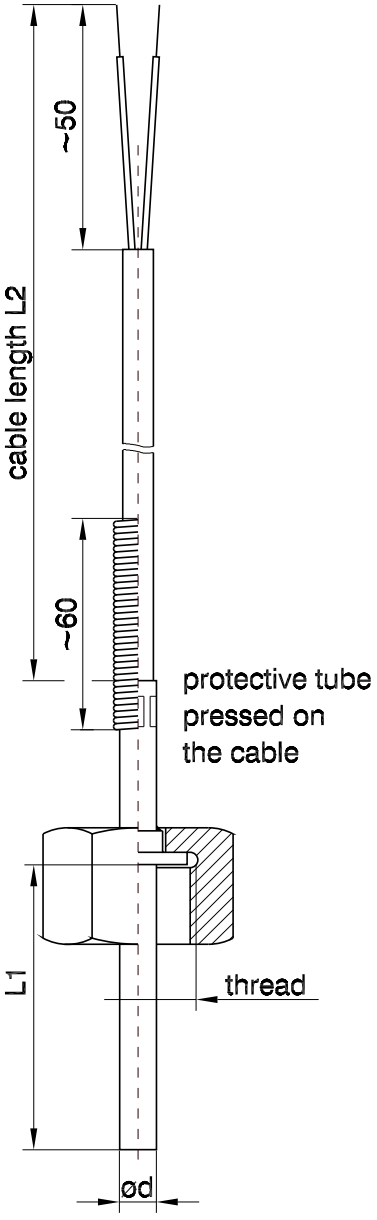
Thermocouples
Cable sensors
Series K8T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

1.4571
on inquiry

Protective tube diameter d

on inquiry 3 ... 10 mm

Insert length L_1

on inquiry min. length of thread + 10 ... 1000 mm

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Thread

M10x1
G1/2A
on inquiry

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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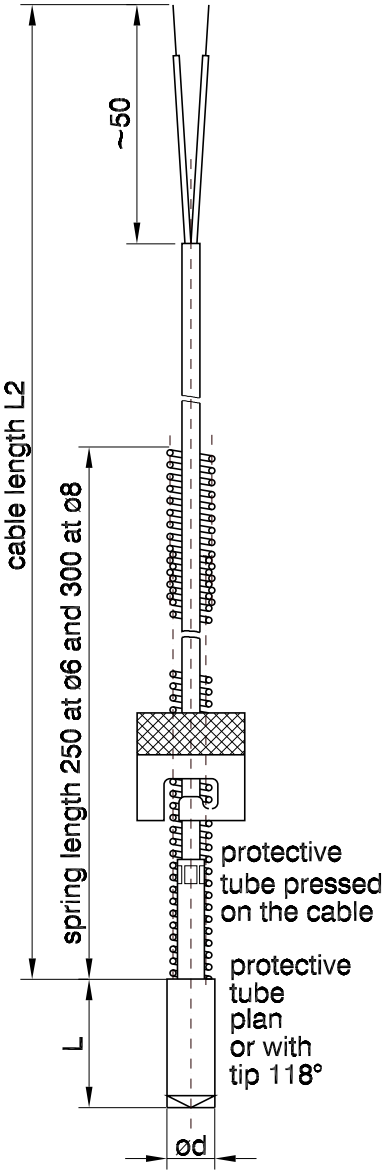
Thermocouples
Cable sensors
Series K9T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube form

planar
pointed 118°

Protective tube material

1.4305
on inquiry

Protective tube diameter d

6 mm
8 mm
on inquiry

Sensor length L

on inquiry 10 ... 30 mm

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Construction of bajonett cap

for thread nipple (bayjonet matching part) ⌀ 12
for thread nipple (bayjonet matching part) ⌀ 14

Connector

free ends
connector on inquiry

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Thermocouples
Cable sensors
Series K9T

Thread nipple

none
on inquiry

declare desired temperature range for case of application

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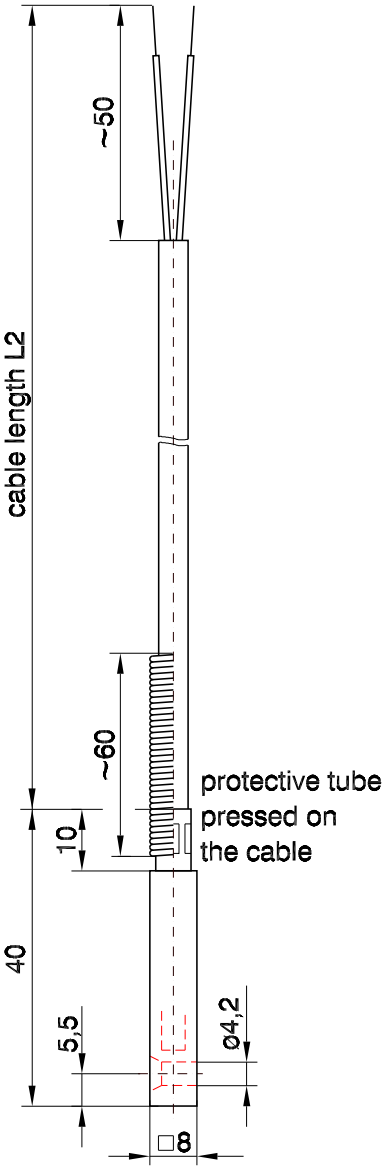
Thermocouples
Cable sensors
Series K10T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

aluminium
stainless steel
Brass
on inquiry

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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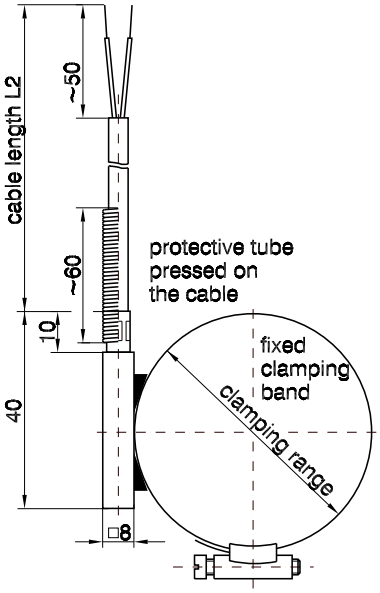
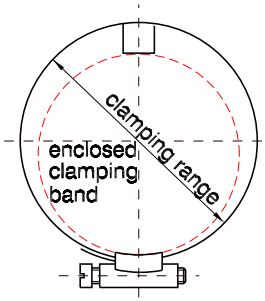
SCHNEIDER MESSTECHNIK

Thermocouples
Cable sensors
Series K11T





Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Protective tube material

stainless steel
Brass
on inquiry

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Clamping band

fixed
enclosed

Clamping range

20 - 32 mm
32 - 50 mm
50 - 70 mm
70 - 90 mm
90 - 100 mm
on inquiry

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

declare desired temperature range for case of application

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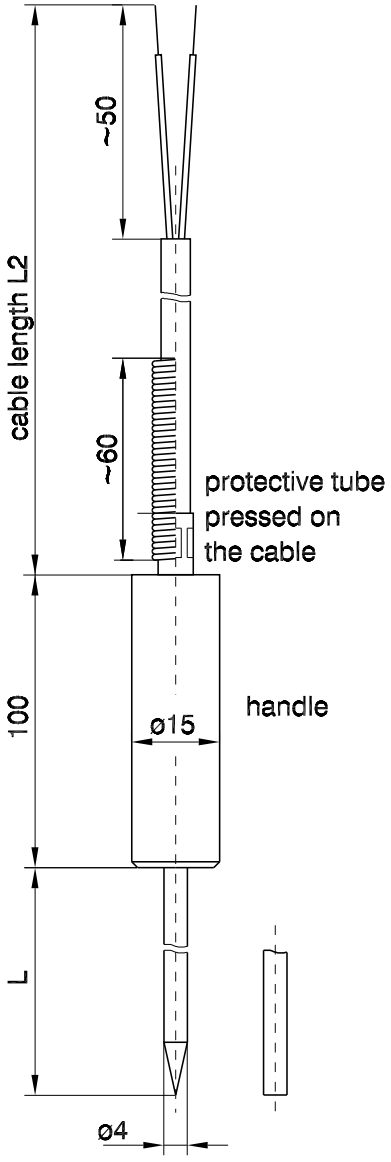
Thermocouples
Cable sensors
Series K12T



Application temperature

on inquiry, dependent on sensor and protective tube material

Thermo junction

J (Fe-CuNi) DIN EN 60584
K (NiCr-Ni) DIN EN 60584
on inquiry

Number of Thermo junction

1 thermocouple
2 thermocouples

Handle material

stainless steel
PTFE (Teflon, max. 260 °C)

Protective tube form

planar
with penetration point

Protective tube material

stainless steel
on inquiry

Protective tube diameter d

4 mm
on inquiry

Sensor length L

on inquiry 20 ... 190 mm

Type of compensating cable

on inquiry

Cable length L_2

on inquiry min. 100 mm

Bend protection

without
with spiral spring

Connector

free ends
connector on inquiry

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Thermocouples
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