Eskom	Specification	Medupi Power Station

Title: **Medupi Power Station Supply and Delivery of RTD's and Thermocouples scope of work**

Document Identifier:	**241-20221080**
Alternative Reference Number:	**241-202234**
Area of Applicability:	**Medupi Power Station**
Functional Area:	**Material Management**
Revision:	**1**
Total Pages:	**24**
Next Review Date:	**June 2028**
Disclosure Classification:	**Controlled Disclosure**

Compiled by	Supported by	Functional Responsibility	Authorized by
Thys Britz	**Albert Malapile**	**Lerato Sehume**	**Mbongeni Mqadi**
Maintenance C&I Senior Technical Supervisor	**C&I Chief Professional Engineer**	**Maintenance C&I Manager**	**Maintenance Group Manager**
Date: 2025-06-11	**Date:** 2025-06-18	**Date:** 2025/06/19	**Date:** 2025/06/20

Content Page

1. Introduction

The reliability and availability of the RTD's and Thermocouples in general is a concern for us due to the unplanned downtime and regular planned outages at Medupi Power Station. It has contributed too many production risks on the plant and the return to service deadlines of Units after execution works of planned outages.

Initiatives to improve the reliability and availability of the RTD's and Thermocouples amongst others includes, placing a RTD's and Thermocouples supply and delivery contract to ensure continuous plant availability, sustainability and improvement.

This document describes the scope of work required for this contract.

2. Supporting Clauses

2.1 Scope

This document covers the requirements for the supply and delivery of the RTD's and Thermocouples at Medupi Power Station.

2.1.1 Purpose

The purpose of this document is to provide the SOW for the supply and delivery of the RTD's and Thermocouples contract at Medupi Power Station.

2.1.2 Applicability

This document shall apply to the material management for support to the C&I department at Medupi Power Station.

2.1.3 Effective date

The document will be effective from the date of authorisation.

2.2 Normative/Informative References

Parties using this document shall apply the most recent edition of the documents listed in the following paragraphs.

2.2.1 Normative

[1]. Eskom SHEQ Policy 32-727

[2]. Life Saving-Rules – 240-62196227 Medupi Power Station - SHE File Evaluation Checklist – 24097661287

[3]. ISO 9001 Quality Management Systems.

[4]. 240 - 97020108 REV. 5 Medupi Maintenance Contracts User Requirement Specification (URS).

2.2.2 Informative

[1]. Act No 85 Occupational Health and Safety Act & Regulations.

[2]. 240-46554063: Safety Health Environmental and Quality Policy.

2.3 Definitions

Definition	Description
Contractor	Service provider contracted for the supply and delivery of C&I material with its associated fittings and consumables
Employer	Eskom or Eskom Medupi power station representative appointed in writing.
Task order	The *Employer's* instruction to be carried out as a task to supply and deliver requested items.

2.4 Abbreviations

Abbreviation	Explanation
C&I	Control and Instrumentation.
NEC3	New Engineering Contract
OEM	Original Equipment Manufacturer
PD	Order On Request (As and When required)
QC	Quality Control
RF	Refurbishment of items
RTD	Resistance Temperature Detector
SHE	Safety Health and Environmental
SHEQ	Safety Health Environmental and Quality
SOW	Scope of Work
V1	Re-Order Point for Non-Repairable Material (Normal)
VB	Manual Re-Order Point Planning (RF)

2.5 Roles and Responsibilities

2.5.1 *Employer*

The *Employer* shall compile and submit scope of work with technical specifications for the RTD's and Thermocouples to be supplied and delivered to Medupi Power Station.

The *Employer* shall perform quality checks of all the RTD's and Thermocouples delivered to Medupi Power Station at the main store.

2.5.2 *Contractor*

The *Contractor* shall supply and deliver the RTD's and Thermocouples on an *as and when required basis* to Medupi Power station according to the specifications and technical requirements on this document.

The *Contractor* shall submit all relevant documentation for example manuals, calibration certificates, datasheets etc. as requested by the Employer.

2.6 Process of Monitoring

Not Applicable.

2.7 Related/Supporting Documents

Not Applicable.

3. Scope of Work

This work specification is developed for the supply and delivery of the RTD's and Thermocouples at Medupi power station on an ***as and when required basis***. This specification is intended to ensure that the appointed *Contractor* supply the correct RTD's and Thermocouples to Medupi power station.

3.1 Supply of Spares

The scope is as follow:

3.1.1 Description of Item:

Refer to Appendix A: List of Spares with material description

3.1.1.1 Performance Characteristics

The spares shall comply with the specific ratings, software versions etc.

3.1.1.2 Physical Characteristics

The spares shall be robust, reliable and comply with the specified dimensions, materials etc.

3.1.2 Contract Period:

The Contract period is for a duration of 3 Years (36 months). All spares should be available from the supplier for at least 3 years. Replacement spares for obsolete items shall be available from the supplier within 4 weeks of placing such an order and immediately for any spares that are critical.

3.1.3 Quantity of supply: See Appendix A

The estimated quantities the *Employer* anticipates will be required for the duration of this contract. This value will be used with other estimates to determine the overall contract value. It should be noted that this is just an estimate, and it does not mean that the *Employer* will definitely consume the RTD's and Thermocouples in the duration of the contract. These quantities are therefore not fixed, and the *Contractor* shall supply the RTD's and Thermocouples only when instructed by a task order, from the *Employer*.

It is the *Contractor's* responsibility to ensure that the correct spares are delivered. If incorrect spares are delivered, the spares will have to be replaced with the correct spares at the *Contractor's* cost which includes transport and delivery.

3.2 General Requirements

The Spares must be the same in all respects when compared to the original equipment, supplied to Eskom by the OEM under contract. This includes all aspects such as design, materials and material

specifications, manufacturing, including manufacturing processes and acceptance testing. Where spares offered deviate from the original in any respect, it should be indicated to the *Employer*.

In the case of an obsolete spare, the *Employer* shall be informed and an OEM letter stating such obsolescence, and the predecessor shall be supplied to the Employer for approval prior to any delivery of the latest equipment version. The replacement of the obsolete item shall consider the integration and physical characteristics of the equipment and ensure that it is Form, Fit and Functional.

3.3 Packaging

The following packaging requirements should be adhered to:

a) The Goods are to be packaged in such a manner that it can be transported and stored for an extended period of time without resulting in damage to the goods.

b) This includes damage due to moisture ingress, corrosion, vibration from the power station etc.

c) Where lifting gear is utilised to move the goods, the packaging should allow the lifting operation and ensure that the goods are not damaged in any way during the process.

d) It will also not be necessary to open packaging for any lifting or transport operation.

e) Where eye bolts are fitted to move the goods, these eye bolts should be fitted such a way that they can be easily removed and replaced with the Purchaser's eye bolts, ensuring that the packaging stays intact.

f) The different spare types are to be packaged separately in such a way that each type can be stored separately.

g) Packaging and labelling of spares should ensure that the spare can be identified without opening the packaging.

h) Where possible the packaging should ensure that parts can be positively identified through the packaging. Where this is not possible the packaging should allow opening and closing of the packaging and still maintain the packaging integrity afterwards.

i) Delivery packaging to have the following detail on it as a minimum (removable adhesive sticker if possible):

1. Order number,
2. A short description of component
3. The Eskom stock and / or material number
4. Manufacturing date, where possible
5. Destination power station

3.4 Quality Assurance

The spares and components shall be supplied to the “goods received” section of the Medupi main store where it will be received by the material management section. The spares shall be delivered with all the required Manuals and datasheets, where required. A delivery note shall be completed upon delivery, stating the date, quantity with the recipient’s details / signature.

Medupi Stores Working Times:	Monday – Thursdays:	07H00 – 16H00
	Fridays:	07H00 – 12H00

The quality of manufacturing shall be according to a recognised quality management system such as ISO 9001. Only once the spares have passed the Quality control checks and are booked into the system can a payment be affected.

The Delivery and Transport Costs (including off-loading items) must be included in the quotation.

4. Acceptance

This document has been seen and accepted by:

Name	Designation
Lerato Sehume	C&I Maintenance Manager
Nare Senama	C&I Senior Technical Supervisor
Tumelo Chauke	C&I Senior Technical Supervisor
Tankiso Mpebe	C&I Senior Technical Supervisor
Cornelius Mulaudzi	C&I Senior Technical Supervisor
Albert Malapile	C&I Chief Engineer

5. Revisions

Date	Rev.	Compiler	Remarks
June 2025	1	Thys Britz	First revision

6. Development Team

The following people were involved in the development of this document:

Name	Designation
Thys Britz	C&I Senior Technical Supervisor
Vusi Mosime	C&I System Engineer
Lucky Mmadihlaba	C&I System Engineer

7. Acknowledgements

Not Applicable.

8. Appendix

8.1 Appendix A: List of Spares with material description

Material	Material short description	Material full description	Lab Code	Material Type	Unit of Measure	Max	Required Quantity
574040	DETECTOR RT:PT100;0-120 DEG C;60 MM;2;6	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 0-120 DEG C; RESISTANCE: 0.2 OHM 20 MILLIOHM/DEGREE; SHEATH LENGTH: 60 MM; WIRE: 2; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/2 IN BSPT COMPRESSION FITTING; HEAD: YES; TOLERANCE: 0.3 DEG C; SHEATH DIAMETER: 6 MM; NUMBER OF SENSORS: SINGLE; MANUF P/N: T1 RAA 1 SS 60; HEAD MATERIAL: DIE CAST ALLOY; FOR USE ON SSC HYDRAULIC OIL TANK TEMPERATURE MEASUREMENT	BAR	V1	EA	5	**10**

574050	DETECTOR RT:PT100;200 DEG C;80 MM;3;80;6	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: 200 DEG C; RESISTANCE: 100 OHM AT 0 DEG C; SHEATH LENGTH: 80 MM; WIRE: 3; SHEATH SIZE: 80 MM; SHEATH MATERIAL: SS GR 316; PROCESS CONNECTION: 1/2 IN-NPT SS COMPRESSION FITTING; HEAD: YES; SHEATH DIAMETER: 6 MM; NUMBER OF SENSORS: SINGLE; MANUF P/N: G RX96-.3-80-FM-100-C-4F4S; HEAD MATERIAL: DIE CAST ALLOY; FOR USE ON SSC WATER TEMP MEASUREMENT	BAR	V1	EA	5	**10**
645209	DETECTOR RT:2 X PT100;3	DETECTOR, RESISTANCE TEMPERATURE: TYPE: 2 X PT100; WIRE: 3; SUPPL P/N: TSP111-Y0W1M2U4S1D6P5S1B2T1	C&I	V1	EA	3	**6**
646022	THERMOCOUPLE	THERMOCOUPLE: SUPPL P/N: 206.00996310	C&I	V1	EA	6	**12**
646023	THERMOCOUPLE	THERMOCOUPLE: SUPPL P/N: 206.00997110	C&I	V1	EA	6	**12**

646396	SENSOR TEMP:0-300 DEG C;INSERTION;IP20	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: 0-300 DEG C; STYLE DESIGNATOR: INSERTION; INCLOSURE TYPE: IP20; OUTPUT SIGNAL: 4-20 MA; SUPPL P/N: PT100; REFERENCE NO: SENSY TEMP IS; PROBE DIAMETER 3MM; RTD LENGTH 315MM; 3 WIRE	C&I	V1	EA	5	**10**
663453	SENSOR TEMP:-200 TO 600 DEG C;MEASURING	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: -200 TO 600 DEG C; STYLE DESIGNATOR: MEASURING; MANUF P/N: TLSR1-YBB1112; PT100 IMMERSION LENGTH 100MM; SHEATH LENGTH 140MM; SHEATH DIAMETER 6MM; PROCESS CONNECTION 1/2 INCH BSPP; COMPLETE WITH HEAD; NUMBER OF SENSORS SINGLE	C&I	V1	EA	7	**14**

665658	THERMOCOUPLE: K;6 MM;375 MM;0-600 DEG C;4	THERMOCOUPLE: TYPE: K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 375 MM; TEMPERATURE RANGE: 0-600 DEG C; SHEATH MATERIAL: SS 2.4816; PROCESS CONNECTION: M18 X 1.5 MM; JUNCTION: DUAL; HEAD: YES; WIRES: 4; SPECIFICATION: NICR-NI ACC TO DIN EN 60584; CLASS 1; ELECTRICAL CONNECTION: M24 X 1.5 MM; SUPPL P/N: 1135-11-273(1-2009-17-R0); INCONEL 600; PROBE LG: 375MM; INSERTION LG: 200MM; NECK LG: 150MM; HEAD WITH HINGED COVER BUZH	C&I	V1	EA	6	**12**
674850	DETECTOR RT:PT100;-200 TO 600 DEG C;375	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: -200 TO 600 DEG C; RESISTANCE: 100 OHM AT 0 DEG C; SHEATH LENGTH: 375 MM; WIRE: 4; SHEATH MATERIAL: SS GR 316L; PROCESS CONNECTION: CERAMIC TERMINAL BLOCK; SHEATH DIAMETER: 3 MM; NUMBER OF SENSORS: SINGLE	C&I	V1	EA	25	**50**

681660	DETECTOR RT:PT100;-200 TO 600 DEG C;430	DETECTOR, RESISTANCE TEMPERATURE: TYPE: PT100; TEMPERATURE RATING: -200 TO 600 DEG C; RESISTANCE: 100 OHM AT 0 DEG C; SHEATH LENGTH: 430 MM; WIRE: 4; SHEATH MATERIAL: METAL; SHEATH DIAMETER: 6 MM; SUPPL P/N: S10, D91046; RUEGER	C&I	V1	EA	15	**30**
694039	SENSOR TEMP:-40 TO 125 DEG C;IP65;BASE	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: -40 TO 125 DEG C; STYLE DESIGNATOR: THERMISTOR DUCT; INCLOSURE TYPE: IP65; MOUNT: BASE; SUPPL P/N: TDN-NTC-10K-200; PROBE LG 200MM; OUTPUT TYPE: 2 WIRE	C&I	V1	EA	5	**10**
722491	SENSOR TEMP:450 DEG C;4 WIRE PT100	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: 450 DEG C; STYLE DESIGNATOR: 4 WIRE PT100; MOUNT: CONNECTION HEAD; OUTPUT SIGNAL: 4-20 MA; SPECIFICATION: IEC751 STANDARD; IP67 RATING; SUPPL P/N: 872-2723; -100	COA	V1	EA	10	**20**

no material number	Gas Air heater Flue gas temps Inlet & Outlets	SENSOR, TEMPERATURE: MAXIMUM OPERATING TEMP: -4 - 1000 DEG C; STYLE DESIGNATOR: 2X TC TYPE K; INCLOSURE TYPE: IP 66; MOUNT: SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2080MM X 125MM X 125MM; POTENTIAL: 11 TO 42 VDC; OUTPUT: 4-20MA HART; TEMPERATURE RANGE: -4 TO 1000 DEG C; CALIBRATION RANGE: 0 TO +800 DEG C; OUTPUT SIGNAL: 4-20 MA; SPECIFICATION: SHEATH MATERIAL: STAINLESS STEEL; THERMOWELL: 22MM PROTECTION TUBE; PROCESS CONNECTION: 1 INCH MALE THREAD FITTING; ENCLOSURE: IP66; REFERENCE SERIAL NR: 210004431059004; MANUF P/N: Y0H2B1A05B1Y0Z9T1K2T2B2H4/OPT	C&I	V1	EA	10	**20**

no material number	Gas Air heater Flue gas temps Inlet & Outlets	THERMOCOUPLE: TYPE: 2X TC TYPE K; SHEATH DIAMETER: 6 MM; DESIGN LENGTH: 2235MM X 125MM X 125MM; POTENTIAL: 11 TO 42 VDC; OUTPUT: 4-20MA HART; TEMPERATURE RANGE: -4 TO 1000 DEG C; CALIBRATION RANGE: 0 TO +800 DEG C; SHEATH MATERIAL: STAINLESS STEEL; THERMOWELL: 22MM PROTECTION TUBE; PROCESS CONNECTION: 1 INCH MALE THREAD FITTING; ENCLOSURE: IP66; OEM P/N: Y0H2B1A05B1Y0Z9T1K2T2B2H4/OPT; REFERENCE SERIAL NR: 210004441099017	C&I	V1	EA	10	**20**

no material number	Resistance temperature detector 250mm 3-wire Simplex (Head type R96)	DETECTOR, RESISTANCE TEMPERATURE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+600 DEG C; RESISTANCE: @0 DEGC = 100 OHM; SHEATH LENGTH: 250 MM; WIRE: 3 WIRE SIMPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: STAINLESS STEEL 316SS; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: R96 DIE CAST ALLOY; SIGNAL OUTPUT: OHMS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: ELECTRICAL MOTOR PT100 RTD'S; NUMBER OF SENSORS: 1XPT100 / 3 WIRE; OEM P/N: LR96.3-250FM(100)C-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Resistance temperature detector 250mm 4-wire Duplex (Head type R96)	DETECTOR, RESISTANCE TEMPERATURE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+600 DEG C; RESISTANCE: @0 DEGC = 100 OHM; SHEATH LENGTH: 250 MM; WIRE: 4 WIRE DUPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: STAINLESS STEEL 316SS; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: R96 DIE CAST ALLOY; SIGNAL OUTPUT: OHMS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: ELECTRICAL MOTOR PT100 RTD'S; NUMBER OF SENSORS: 2XPT100 / 8 WIRE; OEM P/N: LR96.8-250FM(100)C-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Resistance temperature detector 250mm 3-wire Duplex (Head type R96)	DETECTOR, RESISTANCE TEMPERATURE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+600 DEG C; RESISTANCE: @0 DEGC = 100 OHM; SHEATH LENGTH: 250 MM; WIRE: 3 WIRE DUPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: STAINLESS STEEL 316SS; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: R96 DIE CAST ALLOY; SIGNAL OUTPUT: OHMS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: ELECTRICAL MOTOR PT100 RTD'S; NUMBER OF SENSORS: 2XPT100 / 6 WIRE; OEM P/N: LR96.6-250FM(100)C-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Resistance temperature detector 200mm 3-wire Duplex with 4 metres tail	DETECTOR, RESISTANCE TEMPERATURE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+600 DEG C; RESISTANCE: @0 DEGC = 100 OHM; SHEATH LENGTH: 200 MM WITH A TAIL LENGTH OF 4 METRES; WIRE: 3 WIRE DUPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: STAINLESS STEEL 316SS; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: R26 TAIL WITH SPRAGUE TUBING; SIGNAL OUTPUT: OHMS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: ELECTRICAL MOTOR PT100 RTD'S; NUMBER OF SENSORS: 2XPT100 / 6 WIRE; OEM P/N: LR26.6-200FM(100)C4000P-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Resistance temperature detector 250mm 4-wire (Head type R96)	DETECTOR, RESISTANCE TEMPERATURE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+600 DEG C; RESISTANCE: @0 DEGC = 100 OHM; SHEATH LENGTH: 250 MM; WIRE: 4 WIRE SIMPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: STAINLESS STEEL 316SS; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: R96 DIE CAST ALLOY; SIGNAL OUTPUT: OHMS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: FEEDWATER AND CONDENSATE SYSTEM N30 RTD'S; NUMBER OF SENSORS: 1XPT100 / 4 WIRE; OEM P/N: LR96.4-250FM(100)C-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Thermocouple 200mm Tail 2,5 metres	THERMOCOUPLE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+1100 DEG C; SHEATH LENGTH: 200 MM WITH A TAIL LENGTH OF 2,5 METRES;; WIRE: 4 WIRES / DUPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: 25/20 CHROMIUM/NICKEL STAINLESS STEEL TO BS 970 PART 4: 1970, GRADE 310S24; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: T26 TAIL WITH SPRAGUE TUBING; SIGNAL OUTPUT: MILLI-VOLTS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: FEEDWATER AND CONDENSATE PIPING SYSTEMS; NUMBER OF SENSORS: 4 WIRES / DUPLEX ASSEMBLY WITH TYPE 9 INSULATED HOT JUNCTION FROM THE SHEATH; OEM P/N: T26.4-200FMK9D2500P-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Thermocouple 250mm Head type T96	THERMOCOUPLE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+1100 DEG C; SHEATH LENGTH: 250 MM; WIRE: 4 WIRES / DUPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: 25/20 CHROMIUM/NICKEL STAINLESS STEEL TO BS 970 PART 4: 1970, GRADE 310S24; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: T96 DIE CAST ALLOY; SIGNAL OUTPUT: MILLI-VOLTS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: FEEDWATER AND CONDENSATE PIPING SYSTEMS; NUMBER OF SENSORS: 4 WIRES / DUPLEX ASSEMBLY WITH TYPE 9 INSULATED HOT JUNCTION FROM THE SHEATH; OEM P/N: T96.4-250FMK9D-4F4SBSP	C&I	V1	EA	10	**20**

no material number	Resistance temperature detector 200mm 3-wire Duplex with 2,5 metres tail	DETECTOR, RESISTANCE TEMPERATURE: TYPE: MINERAL INSULATED; TEMPERATURE RATING: -200...+600 DEG C; RESISTANCE: @0 DEGC = 100 OHM; SHEATH LENGTH: 200 MM WITH A TAIL LENGTH OF 2,5 METRES; WIRE: 3 WIRE DUPLEX ASSEMBLY; SHEATH DIAMETER: 6 MM; SHEATH MATERIAL: STAINLESS STEEL 316SS; PROCESS CONNECTION: 1/2 INCH BSP; HEAD TYPE: R26 TAIL WITH SPRAGUE TUBING; SIGNAL OUTPUT: OHMS; ENCLOSURE RATING: IP66/67; MOUNT: SUPPLY WITH STAINLESS STEEL ADJUSTABLE COMPRESSION FITTING 1/2 INCH BSP MALE THREAD 4F4S-1/2" BSP; APPLICATION: ELECTRICAL MOTOR PT100 RTD'S; NUMBER OF SENSORS: 2XPT100 / 6 WIRE; OEM P/N: LR26.6-200FM(100)C2500P-4F4SBSP	C&I	V1	EA	10	**20**