ESCC

DOCUMENT CHANGE REQUEST

DCR number	1477	Changes required for: General	Originator: Steve Thacker
Date: 2022/02/15		Date sent: 2021/12/17	Organisation: ESCC Executive Secretariat
Status: IMPLEMENTED			

Title:	ESCC Detail Specification: Resistance Temperature Detector Thin Film Platinum Sensor, PTC		
Number:	4006/015	Issue:	3

Other documents affected:

Page:

As attached spec markup

Paragraph:

See below and attached spec markup

Original wording:

As per 4006/015 issue 3

Proposed wording:

Specification amended to implement changes requested by ESCC Qualified Manufacturer IST-AG in order to add options for a range of components with various extension cables/wires.

All changes to 4006/015 issue 3 are detailed and highlighted in the DCR attachment 4006/015 Draft 4 and are summarised as follows:

1) Para 1.4.1, 1.4.1.1, ESCC Component Number
ESCC Component number is amended to facilitate the definition of components with various types of leads/cables/wires. i.e.
New characteristic codes for termination type, heat-shrink tubing type and extension cable/wire length are implemented to cover the range of new extension cables/wires available in various configurations.
Note: The currently specified component (without extension cable/wire) is given the termination type code '00'

2) Para. 1.4.2, Variants
The Article numbers given in the 'Based on Type' column for all Variants are amended.
The maximum rated curent (IMAX) for Variants 05, 06 are amended.
New notes are added to cover the requirements for the new components with extension cables/wires.

3) Para. 1.5, Max Ratings
Temperature ratings for the various new components with extension cables/wires are added together with notes on heat-shrinking details.

4) Para. 1.7, 1.8, 1.9.2, 1.10, 2.4, Physical Dimensions, Functional diagram, Materials, Weight, Terminal Strength
Details for all new components with extension cables/wires are added

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5) Para. 2.1.1.x, Deviations from the Generic Spec
Additional testing requirements specific to the new components with extension cables/wires are specified.
Clarification of the applicability of existing deviations to the original components (without extension cable/wire; code '00') is made.

6) Para. 2.3, Thermal Shock
The exposure time at each temperature extreme for the currently specified component (without extension cable/wire; code '00') is amended to be 2 minutes.
Test details for all new components with extension cables/wires are added

7) Para. 2.5.1, 2.5.2, Note 1 Zero Power Resistance
Test details specific to new termination type codes 01, 03, 05 are specified.

Justification:

Changes made in order to add procurement options for an expanded range of components with various extension cables/wires from ESCC qualified Manufacturer IST-AG.

Note: All changes per this DCR have been agreed with Manufacturer IST-AG.

Attachments:

escc4006015_draft_4e_in_review.docx

Modifications:

N/A

Approval signature:

Date signed:

2022-02-15