DOCUMENT CHANGE REQUEST

DCR number 102	Changes required for: Qualification	Originator: BAVIERE Philippe
Date: 2004/02/17	Date sent: 2004/02/17	Organisation: CNES
Status: IMPLEMENTED		

Title:	Switches Thermostatic Bimetallic SPDT Opening Contact		
Number:	3702/001	Issue:	2

Other documents affected:

Page:

Table 1(a) Range of Components ; page 6
Para 4.5.4 ; page 12 & 13

Paragraph:

Table 1(a) Range of Components ; page 6
Para 4.5.4 ; page 12 & 13

Original wording:

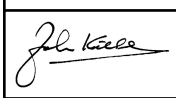
Proposed wording:

A) In Table 1(a):
1 - Replace GRADE 1 Table with amended version as per attachment including the title of Column 4 to read ""Differential Limits""
2 - Replace GRADE Y table with expanded range of components and new Note 2 & 3 as per attachment.
3 - Delete GRADE Z Table.
4 - Amend existing note to be Note 1. Definition of TNf & TNr added:
""Values selected for TNf and TNr shall be integers in the range specified.""
Tr to be corrected to ""Actual Restoring Temperature - Closing Contact""

B) Para 4.5.4
1 - Change Grade Z to be Grade Y in marking example
2 - para 4.5.4.3, delete Grade Z

Justification:

Editorial changes have been made for clarification purposes. The range of available components under Grade Y has been corrected/clarified. The Grade Z is not supported and, in fact, has never been supplied (Grade Y is in any event a suitable alternative to Z).

Attachments:
102attachment_mod.pdf, null
Modifications:
N/A
Approval signature:

Date signed:
2004-02-17

RANGE OF COMPONENTS

GRADE 1

TNf Setting Range (°C) (Note 1)	Tolerance on TNf and TNr (°C)	Nominal Differential TNf – TNr (°C) (Note 1)	Differential Limits Tf – Tr (°C)	
			Min	Max
– 50 to – 36	+/– 5	10	8	18
– 35 to + 79	+/– 3	10	7	12
		9	6.4	11.2
		8	5.8	10.4
		7	5.2	9.6
		6	4.6	8.8
		5	4	8
+ 80 to + 150	+/– 5	15	10	19

GRADE Y

TNf Setting Range (°C) (Note 1)	Tolerance on TNf and TNr (°C)	Nominal Differential TNf – TNr (°C) (Note 1)	Differential Limits Tf – Tr (°C)	
			Min	Max
– 50 to – 36	+/– 5	≥ 15	(Note 2)	(Note 3)
		10 to 14	4	(Note 3)
– 35 to + 79	+/– 3	≥ 11	(Note 2)	(Note 3)
		5 to 10	4	(Note 3)
+ 80 to + 150	+/– 5	≥ 15	(Note 2)	(Note 3)

NOTES:

1. The following definitions apply:
   TNf: Nominal Operating Temperature – Opening Contact
   TNr: Nominal Restoring Temperature – Closing Contact
   Tf: Actual Operating Temperature – Opening Contact
   Tr: Actual Restoring Temperature – Closing Contact

   Values selected for TNf and TNr shall be integers in the range specified.

2. Minimum Differential Limit = Nominal Differential – (2x Tolerance)

3. Maximum Differential Limit = Nominal Differential + (2x Tolerance)