		APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL			Page 1 Appl. No. 275G rev1
Component Title: Switches, Thermostatic, Bimetallic, SPST, Opening contact		Executive Member: CNES		Date: 20/02/2019	
Components (including series and families) submitted for Extension of Qualification Approval: 1					
ESCC COMPONENT NO.	VARIANTS	RANGE OF COMPONENTS	BASED ON	TEST VEHICLE / S	COMPONENT SIMILAR
3702 001 01B	01	Grade Z and Grade Y	TH-47		All other variants Grade Z and Grade Y
3702 001 02B	02	Grade Z and Grade Y	TH-47	370200102B0100000 BY	All other variants Grade Z and Grade Y
3702 001 03B	03	Grade Z and Grade Y	TH-47		All other variants Grade Z and Grade Y
3702 002 01B	01	Grade Z and Grade Y	TH-47 potted version	370200202B0100000 BH	All other variants Grade Z and Grade Y
Component Manufacturer: Comepa 2		Location of Manufacturing Plant(s): 88 Avenue du Général de Gaulle 93170 BAGNOLET Cedex 3		Date of original qualification approval: 24/03/2004 4 Certificate Ref No. 275	
ESCC Specifications used for Maintenance of qualification testing: Generic: 3702 Issue: 05 Detail(s): 3702001, 3702002 Issue: 06, 01 5		Deviations to LVT testing and Detail Specification used: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (supply details in Box 15) Deviation from current Specifications: No <input checked="" type="checkbox"/> Yes <input type="checkbox"/> (Supply details) 6		Qualification Extension Report reference and date: RF1820-18000334-Naked, 10/2018 RF1820-18000334-Potted, 10/2018 Evaluation potting: PRD-ENR-RX-Rapport d'expertise-ESA-EVAL Potting, 02/2019 7	
Summary of procurement or equivalent test results during current validity period in support of this application (those to ESCC listed first) 8					
Project Name	Testing Level	LAT	Date code	Quantity Delivered	
9. Thermostats delivered					
PID changes since start of qualification 9 None <input type="checkbox"/> Minor* <input type="checkbox"/> Major* <input checked="" type="checkbox"/> *Provide details in box:		Current PID Verified by: B. Marty (CNES) 10 Name of Executive Representative Ref No: 10.PID47-L-V4.pdf Issue: L Date: 01/10/2018 Rev Date: 01/10/2018			
Current Manufacturing facilities surveyed by: B. Marty (CNES) and S. Hernandez (ESA) on 24/10/2018 11 (Name of Executive Representative) (Date) Satisfactory: Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Explain Report Reference: ESCC-AUD-COM-2018-1					

**APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL**

Component title: Switches, Thermostatic, Bimetallic, SPST, Opening contact

Executive Member: CNES

Date: 20/12/2018

Page 2

Appl. No.

275G rev1

Failure Analysis, DPA, NCCS available: Yes ☒ No ☐ (Supply data)

12

Ref. No's and purposes: NCCS 2CCOM701, 2CCOM801 and 2CCOM802 have been closed out.

The undersigned hereby certifies on behalf of the ESCC Executive - that the above information is correct; - that the appropriate documentation has been evaluated; - that full compliance to all ESCC requirements is evidence (except as stated in box 15;) - that the reports and data are available at the ESCC Executive and therefore applies on behalf of CNES as the responsible Executive Member for ESCC qualification status to be extended to the component(s) listed herein.

13

Date: 20/02/2019

JP. BUSSENOT

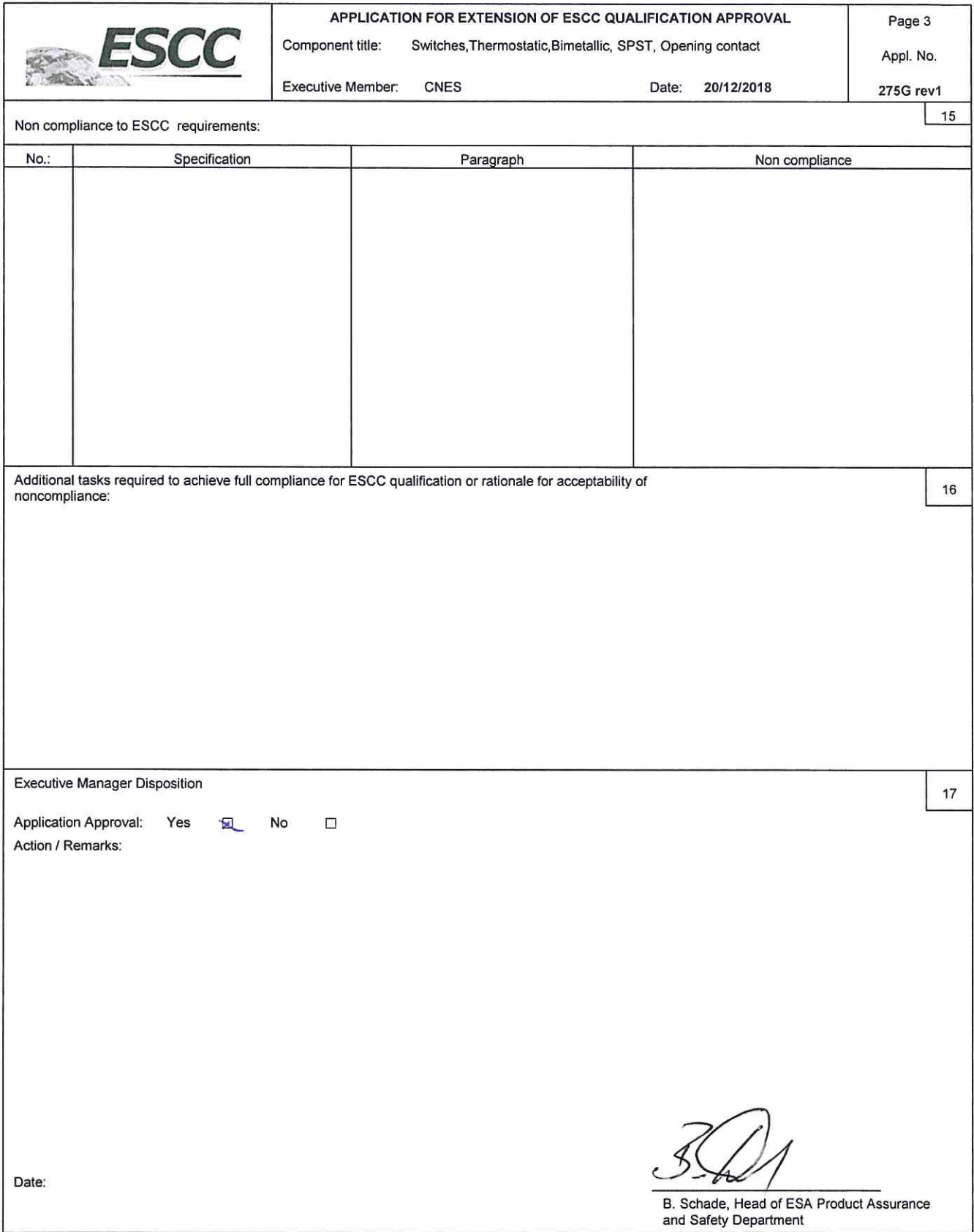
(Signature of the Executive Coordinator)

Continuation of Boxes above:

14

Updated of several process files : PID

- Introduction of Chief inspector and deputy roles in PID
- Introduction of Potting In PID document + Detail specification
- Introduction of new production software TTM
- New definition of part number with introduction of potting
- Update of test F2, F3? F4 with introduction of potting
- Update of marking operations





APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component Title: Switches, Thermostatic, Bimetallic, SPST, Opening contact

Executive Member: CNES

Date: 20/12/2018

Page 4

Appl. No.

275G rev1

ANNEX 1: LIST OF TESTS DONE TO SUPPORT EXTENSION OF QUALIFICATION

18

Tests conducted in compliance with:

- ESCC 3702 generic specification; Chart V (for ESCC/QPL parts);
- or PID-TFD (for ESCC/QML parts)

Tests vehicle identification/description:

TH4702BHY010000 - 370200102B0100000HY DC 1820	TH4702BHY010000 Potted - 370200102B0100000HY DC 1820 Potted

Detail Specification reference: 3702/001, 3702/002

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Environmental / Mechanical Subgroup	Rapid Change of Temperature	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-14	1820	6 + 6	0	
	Vibration	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-6	1820	6 + 6	0	
	Shock	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-27	1820	6 + 6	0	
	Resistance to Soldering Heat	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-20	1820	6 + 6	0	
	Seal Test	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-17	1820	6 + 6	0	
	Electrical and Thermal Measurements	<input checked="" type="checkbox"/>	Table 2 of the Detail Specification	1820	6 + 6	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	1820	6 + 6	0	
Endurance Subgroup	Operating Life	<input checked="" type="checkbox"/>	ESCC 3702 Para. 9.17	1820	4 + 4	0	
	Overload	<input checked="" type="checkbox"/>	ESCC 3702 Para. 9.16	1820	4 + 4	0	
	Seal Test	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-17	1820	4 + 4	0	
	Electrical and Thermal Measurements during Endurance Testing	<input checked="" type="checkbox"/>	Table 6 of the Detail Specification	1820	4 + 4	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	1820	4 + 4	0	



APPLICATION FOR EXTENSION OF ESCC QUALIFICATION APPROVAL

Component title: Switches, Thermostatic, Bimetallic, SPST, Opening contact

Executive Member: CNES

Date: 20/12/2018

Page 5

Appl. No.

275G rev1

Chart V	Test	Tick when done	Conditions	Date Code	Tested Qty	No. of Rejects	Comments if not performed. Comments on Rejection
Electrical Subgroup Electrical Measurements	Creepage	<input checked="" type="checkbox"/>	ESCC 3702 Para. 9.6	1820	3 + 3	0	
	Response Time	<input checked="" type="checkbox"/>	ESCC 3702 Para. 9.8	1820	3 + 3	0	
	Electrical and Thermal Measurements	<input checked="" type="checkbox"/>	Table 2 of the Detail Specification	1820	3 + 3	0	
	External Visual Inspection	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 20500	1820	3 + 3	0	
Electrical Subgroup Assembly Capability Tests	Solderability	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-20	1820	2 + 0	0	
	Permanence of Marking	<input checked="" type="checkbox"/>	ESCC Basic Specification No. 24800	1820	2 + 2	0	
	Robustness of Termination	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-21	1820	2 + 0	0	
	Seal Test	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-17	1820	2 + 0	0	
Additional Tests	High & Low Temperature Storage	<input checked="" type="checkbox"/>	IEC Publication 60068-2-2 & 60068-2-1	1820	2 + 2		
	Damp Heat	<input checked="" type="checkbox"/>	IEC Publication No. 60068-2-78	1820	3 + 2		
		<input type="checkbox"/>					

