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Component Title: RESISTORS, HEATERS, FLEXIBLE, SINGLE AND DOUBLE LAYER

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ALEXA		Executive Member:	ESA		Da	ate: 08/10/2019	184N	
Components (include	ding series and familie	s) submitted for Extension	of Qualification	Approval:				1
ESCC COMPONENT NO.	VARIANTS	RANGE OF CO	MPONENTS	BASED ON		TEST VEHICLE / S	COMPONEN SIMILAR	Т
4009002xxRyyyy	01 thru 48	As per specification	As per specification and PID, Ryyyy -			400900228 R4004 400900204 R4000	All other variants All other variants	
	Ì	Ì			ĺ	400900204 R3987	All other variants	
						400900204 R3999 400900204 R4001	All other variants All other variants	
Component I	Manufacturer	2 Location of Ma Via Podgora 26, 310 Italy	anufacturing Plant 029 Vittorio Venet		Date:	of original qualification ap 01/04/1992 icate Ref No. 184	proval:	4
ESCC Specification		5 Deviations to LVT to used:	esting and Detail S	6 Specification		fication Extension Report ence and date:		7
Generic: 4009 Detail(s): 4009/0	Issue: 06	No X Yes Deviation from curre No X Yes	15)		EF.AS EF.AS	ST.P.400/19 06/09/2019 ST.P.403/19 06/09/2019 ST.P.402/19 06/09/2019 ST.P.401/19 06/09/2019 ST.P.401/19 05/09/2019		
Summary of procur	ement or equivalent te	est results during current v	validity period in su	upport of this ap	plicatio	n (those to ESCC listed fi	rst)	8
Project Name	Testing Lev			Date code			Delivered	
See Annex								
PID changes since	start of qualification	9	Current PID \	/erified by:		ESA		10
None Minor*			Ref No:	Rica PID 5.34.1		ame of Excutive Represer	ntative Agency	
Major* X	*Provide details in b	oox:		28 31/07/2019		Date:	01/10/2019	
Current Manufactur	ring facilities surveyed	bv:	ESA and AS		on	19.	/01/2017	11
			ne of Executive Re		180		(Date)	
Satisfactory:	Yes x	No 🗆 Ex	xplain					
Report Reference:	RIC-AUD-2013	3 1 and MOM-RIC-0117						



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08/10/2019 Date:

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Failure Analysis, DPA, NCCS available:

Yes

No

(Supply data)

Ref. No's and purposes:

Date: 18/11/2019

Duran On Day (Signature of the Executive Coordinator)

Continuation of Boxes above:

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Z ALL		Executive Member	: ESA	Date:	08/10/2019	184N
Non compliance to ES	SCC requirements:					_1
No.:	Specification		Paragraph		Non compliance	9
ľ						
Additional tasks requi	red to achieve full c	ompliance for ESCC of	qualification or rationale for accep	ptability of		
noncompliance:						
Executive Manager D	Disposition					
	· ·	No. II				
Application Approval: Action / Remarks:	Yes 🕡	No 🗆				
, tolon / Homano.						
					201	
Post Coll					5-1/1	
Date:				B. Sc	chade: Head of ESA Produ	uct Assurance
				and a	Safety Department	



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

Tests conducted in compliance with:

ESCC 4009 generic specification; Chart F4 (for ESCC/QPL parts); Or PID-TFD 5.34.16 rev.28 (for ESCC/QML parts)

Tests vehicle identification/description:

Detail Specification reference:

ESCC 4009/002

Chart F4	Test	Tick when done	Conditions	Date Code	Tested Qty	N° of Rejects	Comments if not performed. Comments on Rejection
ıanical	Robustness of Terminations	x	IEC 60068-2-21	1916A 1914A 1914A 1914A 1913A	8 + 5 + 5 + 5 + 5	0	None
Environmental/ Mechanical Subgroup	Climatic Sequence	x	ESCC 4009, Para. 8.7	1916A 1914A 1914A 1914A 1913A	8 + 5 + 5 + 5 + 5	0	None
Environ	External Visual Inspection	x	ESCC 20500	1916A 1914A 1914A 1914A 1913A	8+5+ 5+5+ 5	0	None
Endurance Subgroup	Operating Life	x	ESCC 4009, Para. 8.8	1916A 1914A 1914A 1914A 1913A	8+5+ 5+5+ 5	0	None
	External Visual Inspection	х	ESCC 20500	1916A 1914A 1914A 1914A 1913A	8+5+ 5+5+ 5	0	None
	Permanence of marking	х	ESCC 24800	1916A 1914A 1914A 1914A 1913A	8+5+ 5+5+ 5	0	None
lal							
Additional tests			- 19				
Ä							



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NOTES ON THE COMPLETION OF THE APPLICATION FORM FOR ESCC QUALIFICATION EXTENSION APPROVAL

	The state of the s
ENTRIES Form heading	shall indicate: - the title of the component as given in its detail specification or the name of the series, family; - the Executive Member; - the entering date; - the certificate number and its sequential suffix.
Box 1	shall provide details given in the table; in particular there shall be listed: - the variants or range of variants; - the range of components (the ESCC code is recommended to indicate the values or values range, the tolerance, the voltage, etc); the designation given in the detail specification as 'base on'; - under Test Vehicle enter either an ESCC code or the specific characteristic capable of identifying the component tested (e.g., voltage of coil for a relay); - under component similar enter a cross if relevant.
Box 2; 3 and 4	As per QPL entry; otherwise, an explanation of the changes must be supplied.
Box 5	Will show the ESCC Generic and Detail specifications, including issue number and revision letter, current at the time the tests reported were performed. If the specifications are different from those current on the date of the application, see Box 6.
Box 6	Will show the deviations from the Generic and Detail Specifications listed in Box 5, in particular deviations from testing. In case of deviations this must be listed in Box 15. In case the referenced specification in Box 5 have currently a different issue and/or revision indicate also whether the test data deviates or not from such current documents.
Box 7	Must reference the report(s) supplied in support of the application.
Box 8	Should provide the details of procurement to the full ESCC System, documentation of all of which should already have been delivered to the ESCC Executive under the terms of the relevant Generic Specification. An appropriate table has been drawn in this box.
Box 9	If the PID evolved after the Original Qualification or after the last Extension of Qualification, adequate details of such evolution shall be provided together with the reasons for the changes. Major changes shall be clearly marked.
Box 10	Identify the current PID issue status, date and actual date of verification. The date of verification of the current PID should be arranged as close as possible to the required date of extension.
Box 11	This box can be completed only after a physical visit to the plant to confirm that no unexplained changes occurred and that the practices, procedures, material, etc. used in manufacturing the components are as described in the PID. This survey shall be carried out in accordance with the requirements of ESCC Basic Specification No. 20200 and its findings shall be recorded.
Box 12	Provide details of, or reference to, any Destructive Physical Analysis (DPA) and Failure Analysis reports as well as any Nonconformance(s) (NCCS) occurred during the qualification validity period, stating if established corrective action have produced satisfactory results.
Box 13	Enter only the name of the Executive Member (i.e., CNES, DLR, ESTEC, etc.) and the signature of the responsible Executive Coordinator.
Box 14	To be used when there is a need to expand any of the boxes from 1 through 12. Identify box affected and reference the Box 14 in the relevant Box. Box 14 can be broken into 14a, 14b, etc. if several boxes have to be expanded.
Box 15	Fill in Table as requested.
Box 16	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
Box 17	All Executive Manager recommendations on the application itself, special conditions or restrictions, modifications of the QPL or QML entry, letters to the manufacturer, etc. shall be entered clearly in Box 19, signed by the representative for ESA, and dated.
Box 18	Fill in Table as requested.
Box 19	Confidential Details of PID changes including those of a confidential nature, shall be provided.
Box 20	State noncompliance with reference to specification(s) and paragraph(s). To simplify reference in Box 16 each nonconformance shall be sequentially numbered. If relevant state 'None'.
Box 21	Any additional action deemed necessary by the Executive Member to bring the submitted data to a standard likely to be accepted by the ESCC Executive should be listed herein or the reason(s) to accept the noncompliance.
Box 22	Additional Comments.