

	<b>OPERATIONAL DOCUMENT</b>	<b>ECS 040-3</b>
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**EN-Test report**

Approved by:	MCCB 2023	No. of pages: 14
Date of issue:	April 2023	
Supersedes:	OD ECS 040-3 – January 2019	Page 1 of 14



Responsible CB:

OD ECS 040-3  
ed. April 2023

<b>TEST REPORT</b> <b>EN Reference Number</b> <b>Title of the EN Standard</b>
<b>Report Number</b> ..... : <b>Date of issue</b> ..... : <b>Total number of pages</b> .....
<b>Name of Testing Laboratory preparing the Report</b> ..... :
<b>Applicant's name</b> ..... : <b>Address</b> .....
<b>Test specification:</b> <b>Standard</b> ..... : <b>Test procedure</b> ..... : <input type="checkbox"/> ENEC <input type="checkbox"/> CCA NTR <input type="checkbox"/> Other: _____ <b>Non-standard test method</b> ..... : N/A
<b>Test Report Form No</b> ..... : EN_european standard-suffix <b>Test Report Form(s) Originator</b> ....: Name of Originator <b>Issue date of Master TRF</b> ..... : Dated ... <b>TRF template used</b> ..... : OD ECS 040-3 ed. April 2023 <b>Copyright © 2023 ETICS, Brussels, Belgium. All rights reserved.</b> This publication may be reproduced in whole or in part for non-commercial purposes as long as the ETICS is acknowledged as copyright owner and source of the material. ETICS takes no responsibility for and will not assume liability for damages resulting from the reader's interpretation of the reproduced material due to its placement and context. If this Test Report Form is used by non-ETICS members, the ECS logo and the reference to the ENEC/CCA Scheme procedure shall be removed.
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<b>Test item description .....</b>		
<b>Trade Mark .....</b>		
<b>Manufacturer .....</b>		
<b>Model/Type reference .....</b>		
<b>Ratings .....</b>		
<b>Responsible Testing Laboratory (as applicable), testing procedure and testing location(s):</b>		
<input type="checkbox"/> <b>ECS Testing Laboratory:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Approved by (name, function, signature) ..</b>		
<b>Testing procedure: E-CTF Stage 1:</b>		
<input type="checkbox"/> <b>Testing procedure: E-CTF Stage 1:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Approved by (name, function, signature) ..</b>		
<b>Testing procedure: E-CTF Stage 2:</b>		
<input type="checkbox"/> <b>Testing procedure: E-CTF Stage 2:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name + signature) .....</b>		
<b>Witnessed by (name, function, signature) . :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<b>Testing procedure: E-CTF Stage 3:</b>		
<input type="checkbox"/> <b>Testing procedure: E-CTF Stage 3:</b>		
<b>Testing location/ address .....</b>		
<b>Tested by (name, function, signature) .....</b>		
<b>Witnessed by (name, function, signature) . :</b>		
<b>Approved by (name, function, signature) .. :</b>		
<b>Supervised by (name, function, signature) :</b>		

<b>List of Attachments (including a total number of pages in each attachment):</b>	
<b>Summary of testing:</b>	
<b>Tests performed (name of test and test clause):</b>	<b>Testing location:</b>
<b>Summary of compliance with National Differences (List of countries addressed):</b>	
<input type="checkbox"/> The product fulfils the requirements of _____ (insert standard number and edition and delete the text in parenthesis, leave it blank or delete the whole sentence, if not applicable)	

**Copy of marking plate:**

**The artwork below may be only a draft. The use of certification marks on a product must be authorized by the respective CBs that own these marks.**

<b>Test item particulars</b> .....
<b>Classification of installation and use</b> .....
<b>Supply Connection</b> .....
.....
<b>Possible test case verdicts:</b>
- test case does not apply to the test object .....: N/A
- test object does meet the requirement.....: P (Pass)
- test object does not meet the requirement .....: F (Fail)
<b>Testing</b> .....
<b>Date of receipt of test item</b> .....:
<b>Date (s) of performance of tests</b> .....
.....
<b>General remarks:</b>
"(See Enclosure #)" refers to additional information appended to the report. "(See appended table)" refers to a table appended to the report.
Throughout this report a <input type="checkbox"/> comma / <input type="checkbox"/> point is used as the decimal separator.
<b>Name and address of factory (ies)</b> .....
.....
<b>General product information and other remarks:</b>
.....

EN 5xxxx			
Clause	Requirement + Test	Result - Remark	Verdict

	Note: It is recommended that the Compliance Checklist is one table with header for each new clause in capital letters, bold and shaded (10%) while each sub-clause has bold letters and no shading.		
<b>1.0</b>	<b>HEADER BOLD, UPERCASE LETTERS</b>		
	..... :		
	..... :		
<b>1.1</b>	<b>Sub-header. Bold, lowercase letters, bold</b>		

	..... :		
	..... :		
	..... :		
	..... :		
	..... :		
	..... :		

EN 5xxxx			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE: Heating Test			
Test voltage (V)..... :			—
Ambient (°C)..... :			—
Thermocouple Locations	Max. temperature measured, (°C)	Max. temperature limit, (°C)	
Supplementary information:			

TABLE: Heating test, resistance method						
Test voltage (V)..... :						—
Ambient, t <sub>1</sub> (°C)..... :						—
Ambient, t <sub>2</sub> (°C)..... :						—
Temperature rise of winding	R <sub>1</sub> (Ω)	R <sub>2</sub> (Ω)	ΔT (K)	Max. dT (K)	Insulation class	
Supplementary information:						

TABLE: Dielectric Strength			
Test voltage applied between:	Test potential applied (V)	Breakdown / flashover (Yes/No)	
Supplementary information:			



EN 5xxxx						
Clause	Requirement + Test				Result - Remark	Verdict
<b>TABLE: Electrical Data (in normal conditions)</b>						
fuse #	I rated (A)	U (V)	P (W)	I (mA)	I fuse (mA)	condition/status
Supplementary information:						

TABLE: Power Input Deviation					
Input deviation of/at:	P rated (W)	P measured (W)	$\Delta P$	Required $\Delta P$	Remark
Supplementary information:					

TABLE: insulation resistance measurements		
Insulation resistance R between:	R (M $\Omega$ )	Required R (M $\Omega$ )
Between mains poles (primary fuse disconnected)		
Between parts separated by basic or supplementary insulation		
Between parts separated by double or reinforced insulation		
Supplementary information:		

TABLE: Impact Resistance			
Impacts per surface	Surface tested	Impact energy (Nm)	Comments
Supplementary information:			

EN 5xxxx						
Clause	Requirement + Test			Result - Remark		Verdict
<b>TABLE: Clearance And Creepage Distance Measurements</b>						
clearance cl and creepage distance dcr at/of:	Up (V)	U r.m.s. (V)	Required cl (mm)	cl (mm)	required dcr (mm)	dcr (mm)
Supplementary information:						

TABLE: Distance Through Insulation Measurements				
Distance through insulation di at/of:	U r.m.s. (V)	Test voltage (V)	Required di (mm)	di (mm)
Supplementary information:				

TABLE: Ball Pressure Test of Thermoplastics			
Allowed impression diameter (mm) .....			—
Object/ Part No./ Material	Manufacturer/ trademark	Test temperature (°C)	Impression diameter (mm)
Supplementary information:			

EN 5xxxx			
Clause	Requirement + Test	Result - Remark	Verdict

TABLE: Needle- flame test (NFT)					
Object/ Part No./ Material	Manufacturer/ trademark	Duration of application of test flame (ta); (s)	Ignition of specified layer Yes/No	Duration of burning (tb) (s)	Verdict

Supplementary information:

**NFT not relevant (or applicable) for Parts of material classified as V-0 or V-1**

**NFT not relevant (or applicable) for Base material of PCBs classified as V-0 or if relevant VTM-0**

TABLE: Resistance to heat and fire - Glow wire tests								
Object/ Part No./ Material	Manufacturer / trademark	Glow wire test (GWT); (°C)						Verdict
		550	650		750		850	
			te	ti	te	ti		

  

Object/ Part No./ Material	Manufacturer / trademark	Glow-wire flammability index (GWFI), °C				GW ignition temp. (GWIT), °C		Verdict
		550	650	750	850	675	775	

The test specimen passed the glow wire test (GWT) with no ignition [(te – ti) ≤ 2s] (Yes/No):

If no, then surrounding parts passed the needle-flame test of annex E (Yes/No) .....

The test specimen passed the test by virtue of most of the flaming material being withdrawn with the glow-wire (Yes/No)?.....

Ignition of the specified layer placed underneath the test specimen (Yes/No) .....

Supplementary information:

550 °C GWT not relevant (or applicable) to parts of material classified at least HB40 or if relevant HBF  
 The GWIT pre-selection option, the 850 °C GWFI pre-selection option, and the 850 °C GWT are not relevant (or applicable) for attended appliances.

EN 5xxxx			
Clause	Requirement + Test	Result - Remark	Verdict
<b>TABLE: Threaded Part Torque Test</b>			
Threaded part identification	Diameter of thread (mm)	Column number ( I, II, or III)	Applied torque (Nm)
Supplementary information:			

TABLE: Over-voltage and Under-voltage Test					
Test	Operating condition	Rated voltage (V)	Test voltage (V)	Temperature (°C)	Comments
Supplementary information:					

TABLE: Critical components information					
Object / part No.	Manufacturer/ trademark	Type / model	Technical data	Standard	Mark(s) of conformity <sup>1)</sup>
<b>- Description:</b>					
<b>- Description:</b>					
<b>- Description:</b>					
Supplementary information:					
1) Provided evidence ensures the agreed level of compliance. See OD-CB2039.					

EN 5xxxx			
Clause	Requirement + Test	Result - Remark	Verdict

Additional examples of tables for TRF originators to be used as needed.

TABLE:					
Supplementary information:					

TABLE:						
						Comments
Supplementary information:						

TABLE:			
	..... :		—
	..... :		—
	..... :		—
	..... :		—
Supplementary information:			

