RoHS Verification Assessment Report

SEL Incorporated Association

Product	**Terminal Block**
Name, address and contact person of the applicant:	**DONGSEO ELECTRIC** **163, Heyri-ro, Tanhyeon-myeon, Paju-si, Gyeonggi-do, Republic of Korea**
Name and address of the manufacturer:	**DONGSEO ELECTRIC** **163, Heyri-ro, Tanhyeon-myeon, Paju-si, Gyeonggi-do, Republic of Korea**
Name and address of the factory:	**DONGSEO ELECTRIC** **163, Heyri-ro, Tanhyeon-myeon, Paju-si, Gyeonggi-do, Republic of Korea**
Trade mark:	**-**
Model : Series Model :	**DSTB-35A** **DSTB-15A, DSTB-25A, DSTB-60A, DSTB-100A, DSTB-125A, DSTB-150A, DSTB-200A, DSTB-300A, DSTB-15W, DSTB-10S, DSTB-10SW, DSTB-15S**
Serial no.:	**-**
Test sample received (date) :	**Apr. 20, 2026**
Results of testing	**Tested product is ascertained that the commodity complies with RoHS Directive (EU) 2015/863 amending 2011/65/EU.**
Tested according to:	**IEC 62321 Series**
Directive	**RoHS Directive (EU) 2015/863 amending Annex II to Directive 2011/65/EU on the restriction of the use of certain hazardous substances in electrical and electronic equipment**
Additional Information	**The test results are only applied to the submitted sample.**

Name and address of the test laboratory	**SEL Incorporated Association** Dongtan BIZ Tower #1007 63-12, Dongtancheomdansaneop 1-ro Dongtan-gu, Hwaseong-si, Gyeonggi-do Republic of Korea	Telephone : (+82)1644-5955 Fax : (+82)31-8055-7449
Tested by		
	Signature Cho Rong Choi	Date 2026-04-20 ~ 2026-04-29
Reviewed by		
	Signature Do Weon Lee / Lab Manager	Date 2026-04-29

Test Report No.: RE-P-260420-1-038

Date of Issue : Apr. 29, 2026

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SUMMARY	
	These test results are obtained from three main procedures : **i) Screening by the ED-XRF** **ii) Determination (precision) : Lead, Cadmium and Mecury by ICP-OES** **Hexavalent Chromium by Colorimetric method and UV/Vis** **PBBs, PBDEs, DEHP, BBP, DBP and DIBP by GC/MS** **iii) Composite materials of IC, TR, chip resistor and chip capacitor : Chemical Test**
GENERAL REMARKS	
	- This report applies only to the sample(s) tested. It is the manufacturer's responsibility to ensure that they have the additional production units of this product, which is manufactured with identical electrical and mechanical components. **- Samples for phthalates analysis are at random from the intermediate and high risk materials (e.g. polymers, plastics, rubbers etc.).** **- The following materials are not likely to contain phthalates : Metal (Copper alloy, Steel alloy, Aluminum alloy etc.), Glass, Liquid, Ceramic, Paper & Wood.**
Abbreviation	**ND** : Not Detected, **NA** : Not Applicable, **DL** : Detection Limit
Test Equipments	ED-XRF (SHIMADZU, EDX-LE) ICP-OES (VARIAN, 720-ES) UV/Vis (SHIMADZU, UV-1280) GC/MS (SHIMADZU, QP2010 Ultra)

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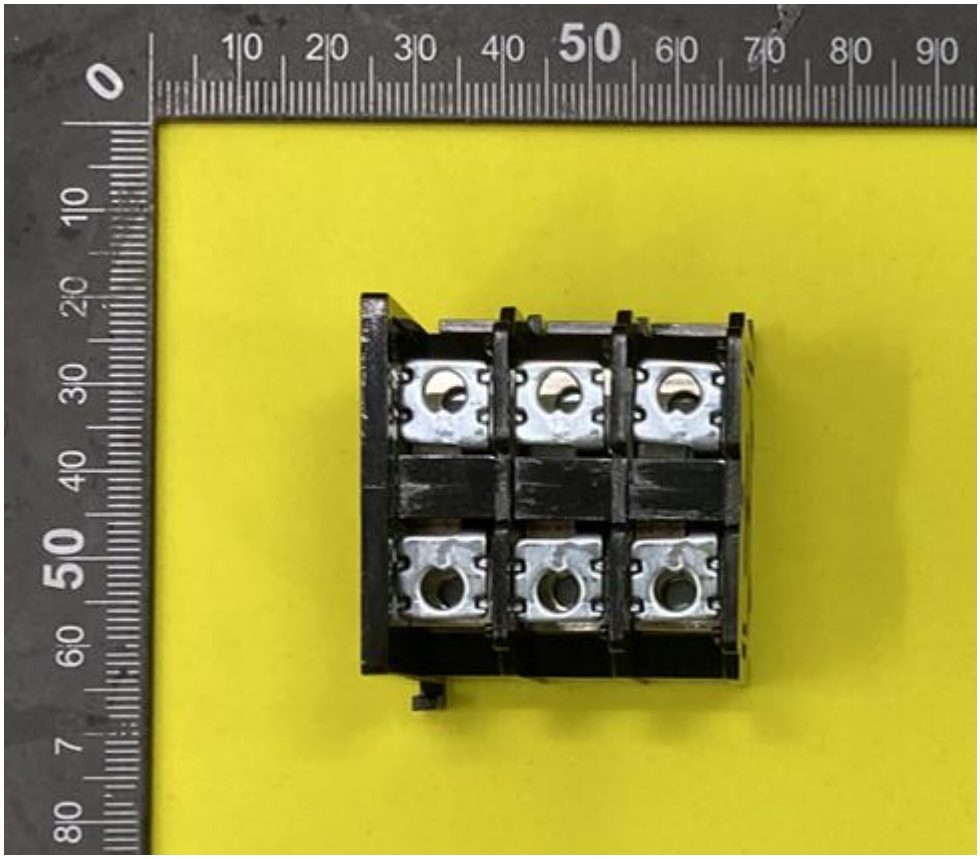
1. Photo

Terminal Block



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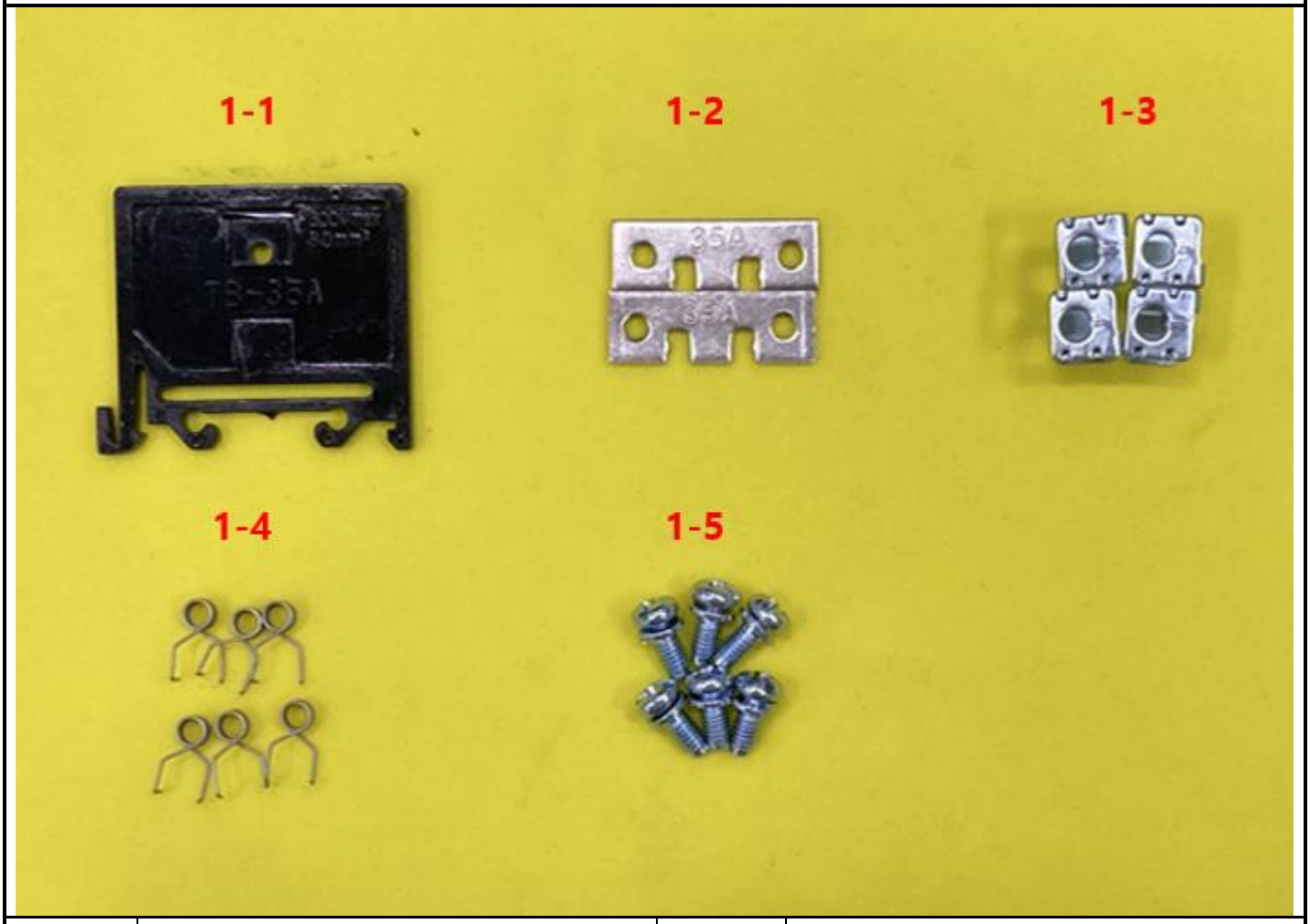
2. PHOTO

1. Part 1 : Terminal Block Ass'y



1-1	TERMINAL BLOCK ASS'Y 1	1-4	TERMINAL BLOCK ASS'Y 4
1-2	TERMINAL BLOCK ASS'Y 2	1-5	TERMINAL BLOCK ASS'Y 5
1-3	TERMINAL BLOCK ASS'Y 3	-	End of data

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3. ED-XRF Screening TEST

No.	Sample Name	Results					Results of Chemical Testing (mg/kg) / colorimetric method	Conclusion on RoHS
		Pb	Cd	Cr	Hg	Br		
1. Part 1 : Terminal Block Ass'y								
1-1	TERMINAL BLOCK ASS'Y 1	BL	BL	BL	BL	BL		PASS
1-2	TERMINAL BLOCK ASS'Y 2	BL	BL	BL	BL	BL		PASS
1-3	TERMINAL BLOCK ASS'Y 3	BL	BL	BL	BL	BL		PASS
*1-4	TERMINAL BLOCK ASS'Y 4	BL	BL	IN	BL	NA	Cr^{6+} : Negative	PASS
1-5	TERMINAL BLOCK ASS'Y 5	BL	BL	BL	BL	BL		PASS

OL : Over Limit / BL : Below Limit / IN : Inconclusive / ND : Not Detected / NA : Not Applicable / * Chemical Test

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4. QUANTITATIVE Analysis of Phthalates

No.	Sample Name	Results of Chemical Testing (mg/kg)				Conclusion on RoHS
		DEHP	BBP	DBP	DIBP	
1. Part 1 : Terminal Block Ass'y						
*1-1	TERMINAL BLOCK ASS'Y 1	ND	ND	ND	ND	PASS

ND : Not Detected / * Chemical Test / Detection Limit : Each of 50 mg/kg

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1) Remark

a) If the results of ED-XRF screening exceed the below warning value with reference to IEC 62321-3-1 : 2013, chemical testing is to be performed by ICP-OES (Cd, Pb, Hg), UV/Vis (Cr^{6+}) and GC/MS (PBBs, PBDEs).

Element	Polymer	Metal	Composite Materials
Cd	X ≤ 67 (BL) 67 < X < 133 (IN) 133 ≤ X (OL)	X ≤ 67 (BL) 67 < X < 133 (IN) 133 ≤ X (OL)	X < LOD(7) (BL) 7 < X < 153 (IN) 153 ≤ X (OL)
Pb	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 497 (BL) 497 < X < 1503 (IN) 1503 ≤ X (OL)
Hg	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 697 (BL) 697 < X < 1303 (IN) 1303 ≤ X (OL)	X ≤ 497 (BL) 497 < X < 1503 (IN) 1503 ≤ X (OL)
Br	X ≤ 297 (BL) 297 < X (IN)	-	X ≤ 247 (BL) 247 < X (IN)
Cr	X ≤ 697 (BL) 697 < X (IN)	X ≤ 697 (BL) 697 < X (IN)	X ≤ 497 (BL) 497 < X (IN)

b) OL : Over Limit / BL : Below Limit / IN : Inconclusive

c) ED-XRF screening results of RoHS element may be different to the actual content in the sample of non-uniformity composition.

d) According to IEC 62321-7-1 : 2015, result of Cr^{6+} for metal sample is shown as Positive or Negative.

- Negative : Absence of Cr^{6+} coating
- Positive : Presence of Cr^{6+} coating

According to IEC 62321-7-2 : 2017
(Determination of hexavalent chromium in polymers and electronics by the colorimetric method)

e) This product contains the following exemption item.

- There is no exemption related to RoHS directive

f) Commission Delegated Directive (EU) 2015/863 of 31 March 2015 amending Annex II to Directive 2011/65/EU of the European Parliament and of the Council as regards the list of restricted substances.

g) Chemical test results of phthalates are obtained by GC/MS in regulated substances according to IEC 62321-8 : 2017.

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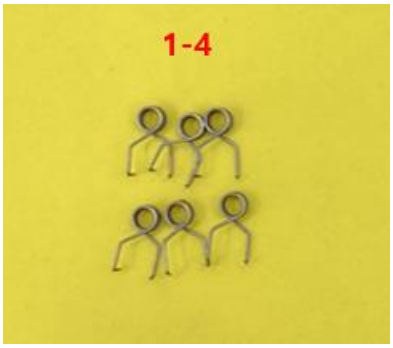
5. Chemical Test Results

1-4) TERMINAL BLOCK ASS'Y 4

Heavy Metals

Test Items	Test Results	Detection Limit	Unit	Test Methods
Pb	NA	5.0	mg/kg	IEC 62321-5
Cd	NA	2.0	mg/kg	IEC 62321-5
Hg	NA	5.0	mg/kg	IEC 62321-4
Cr^{6+}	Negative	0.10	$\mu g/cm^2$	IEC 62321-7-1



Flame Retardants

Test Items		Test Results (mg/kg)	Detection Limit (mg/kg)	Test Methods
PBBs	Bromobiphenyl	NA	20.0	IEC 62321-6
	Dibromobiphenyl	NA	20.0	
	Tribromobiphenyl	NA	20.0	
	Tetrabromobiphenyl	NA	20.0	
	Pentabromobiphenyl	NA	20.0	
	Hexabromobiphenyl	NA	20.0	
	Heptabromodiphenyl	NA	20.0	
	Octabromobiphenyl	NA	20.0	
	Nonabromobiphenyl	NA	20.0	
	Decabromobiphenyl	NA	20.0	
PBDEs	Bromodiphenyl ether	NA	20.0	
	Dibromodiphenyl ether	NA	20.0	
	Tribromodiphenyl ether	NA	20.0	
	Tetrabromodiphenyl ether	NA	20.0	
	Pentabromodiphenyl ether	NA	20.0	
	Hexabromodiphenyl ether	NA	20.0	
	Heptabromodiphenyl ether	NA	20.0	
	Octabromodiphenyl ether	NA	20.0	
	Nonabromodiphenyl ether	NA	20.0	
	Decabromodiphenyl ether	NA	20.0	

NA : Not Applicable / Cr^{6+} : Negative (< 0.10 $\mu g/cm^2$), Inconclusive (0.10 ~ 0.13 $\mu g/cm^2$), Positive (> 0.13 $\mu g/cm^2$)

- End of Report -