

RS PRO Compliance – Evaluation Report

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Project Number:	SJ189
Requested by:	Carol Chen
Engineer:	Vick Li
Quality Grade:	CC
Vendor:	DECA switchlab inc.
No. of samples received:	1. 0447065 *1



Certification Requirements

Certification Type		Certificate/Report reference	Certificate Description
CE Certificates	ROHS	/	Declaration of conformity
	REACH	/	Declaration of conformity
	EMC	NA	NA
	LVD	/	NA
UKCA Certificates	ROHS	NA	NA
	EMC	NA	NA
	LVD	NA	NA

Conclusion and recommendation

Pass

Testing Summary:

1. Visual inspection OK.
2. Voltage withstand testing and product size inspection of wiring terminals.
3. Overcheck the REACH declaration of conformity, RoHS declaration of conformity, specifications and engineering drawings.

Statement:

1. No abnormalities were found in the physical samples.
2. Visual inspection and measurement result as ok.
3. The insulation performance between the terminal and the shell is good.
4. Specifications and engineering drawings, ROHS declaration of conformity, REACH declaration of conformity, can be available to the path. DMS->Projects->SJ189

Report Detail

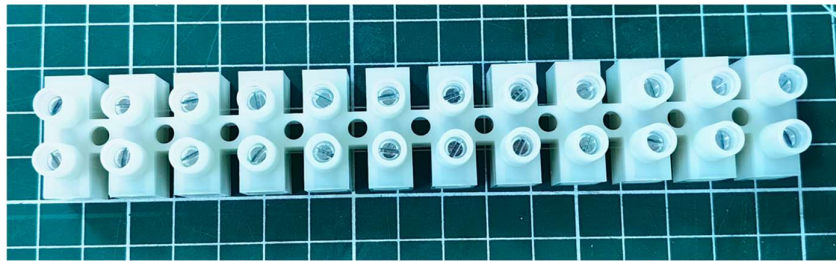
1. Visual Inspection

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0447065



2. Products attributes Vs. leading brand

Part Number	0447065
Supplier	DECA
Pitch	13.5 mm
Wire Connection Method	Screw
Poles	12
Wire Size	22~8 AWG
Wire Size mm ²	/
Current Rating	50A
Voltage Rating	600V
Material	PA66
Strip Colour	White
Width	25.6 mm
Operating Temperature	-30 °C~ 105°C
Insulation withstanding voltage	AC2000V min
Insulation resistance	>2000MΩ DC 500V
Part Number	0447066
Supplier	DECA
Pitch	12 mm
Wire Connection Method	Screw
Poles	3
Wire Size	20~10 AWG
Wire Size mm ²	/
Current Rating	UL 37A AC 300V, VDE 41A AC 450V
Voltage Rating	
Material	PA-66
Strip Colour	White
Width	23.7 mm
Operating Temperature	-40 °C~ 85°C

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Insulation withstanding voltage	AC2000V min
Insulation resistance	>2000MΩ DC 500V
Screw torque	/
Part Number	0447067
Supplier	DECA
Pitch	9.5 mm
Wire Connection Method	Screw
Poles	2
Wire Size	22~12 AWG
Wire Size mm ²	/
Current Rating	20A
Voltage Rating	300V
Material	PC
Strip Colour	Black
Width	21.8 mm
Operating Temperature	-40 °C~ 105°C
Insulation withstanding voltage	AC1600V min
Insulation resistance	>2000MΩ DC 500V
Screw torque	12lb-inch
Part Number	0447069
Supplier	DECA
Pitch	9.5 mm
Wire Connection Method	Screw
Poles	4
Wire Size	22~12 AWG
Wire Size mm ²	/
Current Rating	20A
Voltage Rating	300V
Material	PC
Strip Colour	Black
Width	21.8 mm
Operating Temperature	-40 °C~ 105°C
Insulation withstanding voltage	AC1600V min
Insulation resistance	>2000MΩ DC 500V
Screw torque	12lb-inch
Part Number	0447071
Supplier	DECA
Pitch	9.5 mm
Wire Connection Method	Screw
Poles	5
Wire Size	22~12 AWG
Wire Size mm ²	/
Current Rating	20A
Voltage Rating	300V
Material	PC
Strip Colour	Black
Width	21.8 mm
Operating Temperature	-40 °C~ 105°C
Insulation withstanding voltage	AC1600V min
Insulation resistance	>2000MΩ DC 500V
Screw torque	12lb-inch
Part Number	0447072
Supplier	DECA
Pitch	9.5 mm
Wire Connection Method	Screw
Poles	6
Wire Size	22~12 AWG

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Wire Size mm ²	/
Current Rating	20A
Voltage Rating	300V
Material	PC
Strip Colour	Black
Width	21.8 mm
Operating Temperature	-40 °C~ 105°C
Insulation withstanding voltage	AC1600V min
Insulation resistance	>2000MΩ DC 500V
Screw torque	12lb-inch

3. Products Type test

	ITEM	Description	Result
1	Visual check	The overall appearance is intact, without damage or missing parts. The surface of the insulation component is smooth, without bubbles, cracks, fissures, or pockmarks.	Pass
2	Voltage withstand test	There is no breakdown between the terminal and the shell at 2500V.	Pass
3	Dimensions	Product dimensions comply with drawing requirements	Pass

4. RoHS test (Meets ROHS requirements)

Black plastic:

订货号: EC681
批号: Array
使用者:
Sample weight:
校准: 没有使用标准片

编号	Pb [ppm]	Hg [ppm]	Cd [ppm]	Cr [ppm]	Br [ppm]	As [ppm]	Ti [ppm]	Ni [ppm]	Cu [ppm]	Zn [ppm]	Co [ppm]	Fe [ppm]	Mn [ppm]	Mo [ppm]	Sb [ppm]
1	6.4	6.9	6.8	13.0	1868	8.2	-12.5	13.3	13.7	20.9	5.2	27.3	13.4	-2.9	15.9

订货号: EC681
批号: Array
使用者:
Sample weight:
校准: 没有使用标准片

编号	Cu [ppm]	Zn [ppm]	Co [ppm]	Fe [ppm]	Mn [ppm]	Mo [ppm]	Sb [ppm]	Sn [ppm]	W [ppm]	Ba [ppm]	Ag [ppm]	Au [ppm]	Matroc [ppm]	mg []	xl []
1	13.3	13.7	20.9	5.2	27.3	13.4	-2.9	15.9	147	-8.1	41.9	8.3	45.6	997762	3.0

White plastic:

订货号: EC681
批号: Array
使用者:
Sample weight:
校准: 没有使用标准片

编号	Pb [ppm]	Hg [ppm]	Cd [ppm]	Cr [ppm]	Br [ppm]	As [ppm]	Ti [ppm]	Ni [ppm]	Cu [ppm]	Zn [ppm]	Co [ppm]	Fe [ppm]	Mn [ppm]	Mo [ppm]	Sb [ppm]
1	44.3	-18.8	24.8	31.5	14.1	5.6	-47.8	1099	1037	280	5.1	24.8	24.9	-8.2	74.1

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订货号	EC681
批号	Array
使用者	
Sample weight	
校准: 没有使用标准片	

	Cu [ppm]	Zn [ppm]	Co [ppm]	Fe [ppm]	Mn [ppm]	Mo [ppm]	Sb [ppm]	Sn [ppm]	W [ppm]	Ba [ppm]	Ag [ppm]	Au [ppm]	Matrix [ppm]	mq []	x1 []	使...
9	1037	280	5.1	24.8	24.9	-8.2	74.1	98.9	22.0	158	18.8	-3.1	997115	2.3	0.0	

Screw:

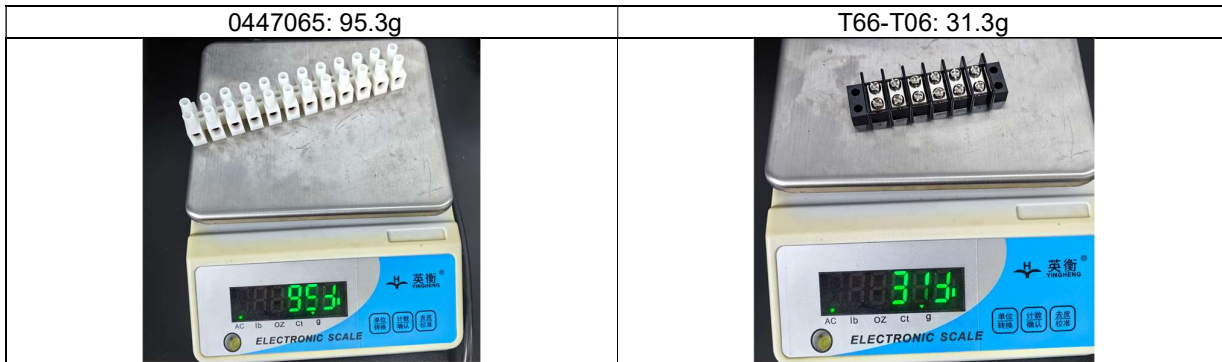
变化率[%]																
读数数量				1			1			1			1			1
订货号	EC681															
批号	Array															
使用者																
Sample weight																
校准: 没有使用标准片																

编号	Pb [ppm]	Hg [ppm]	Cd [ppm]	Cr [ppm]	Br [ppm]	As [ppm]	Ti [ppm]	Ni [ppm]	Cu [ppm]	Zn [ppm]	Co [ppm]	Fe [ppm]	Mn [ppm]	Mo [ppm]	Sb [ppm]	
1		-3.9	-31.5	-80.9	-199	-30.4	-10.9	-159	565116	210741	-92.3	1390	220823	319	84.2	3.9

平均值						-3.91			-31.5				-80.9		-199.2	
标准偏差																
变化率[%]																
读数数量						1			1				1		1	
订货号	EC681															
批号	Array															
使用者																
Sample weight																
校准: 没有使用标准片																

	Ni [ppm]	Cu [ppm]	Zn [ppm]	Co [ppm]	Fe [ppm]	Mn [ppm]	Mo [ppm]	Sb [ppm]	Sn [ppm]	W [ppm]	Ba [ppm]	Ag [ppm]	Au [ppm]	Matrix [ppm]	mq []	x1 []	使...
59	565116	210741	-92.3	1390	220823	319	84.2	3.9	4.5	11.5	348	0.4	-90.2	1856	29.7	0.0	

5. Weight



Product Reference	Model Number	PASS/FAIL
30159600	0447065	Pass
30159629	0447066	Pass
30159631	0447067	Pass
30159633	0447069	Pass
30159634	0447071	Pass
30159635	0447072	Pass
30159636	T64-T08	Pass

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Test report is referred to Appendixes as below:

Appendix I: Specifications and engineering drawings

Appendix II: ROHS declaration of conformity

Appendix III: REACH declaration of conformity

Engineer Signature	Report Date	Review Signature	Approval Signature
Vick Li	2024/12/24	Jason.Zeng	