


MATERIAL DECLARATION SHEET



Material Number	AA Breaker			
Product Line	Mini-Breakers			
Compliance Date	March 7, 2016			
RoHS Compliant	Yes	MSL	N/A	

No.	Construction Element (subpart)	Homogeneous Material	Material weight [mg]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Cover and Base Resin	Resin	24.37	Aromatic Polyester Resin	60088-52-2	~60.0	12.48	20.8
				Glass fiber	65997-17-3	~40.0	8.32	
2	Cover plate	Copper alloy	15.65	Copper	7440-50-8	95.5	12.7015	13.3
				Tin	7440-31-5	4.0	0.532	
				Phosphorus	7723-14-0	0.19	0.02527	
				Lead	7439-92-1	0.01	0.00133	
				Iron	7439-89-6	0.1	0.0133	
				Zinc	7440-66-6	0.2	0.0266	
3	Arm	Copper alloy	10.0	Copper	7440-50-8	98.195	8.3466	8.5
				Chromium	7440-47-3	0.25	0.02125	
				Magnesium	7439-95-4	0.125	0.0106	
				Silver	7440-22-4	0.74	0.0629	
				Nickel	7440-02-0	0.69	0.05865	
4	Arm Terminal	Copper alloy	18.16	Copper	7440-50-8	99.625	15.4419	15.5
				Chromium	7440-47-3	0.25	0.0387	
				Magnesium	7439-95-4	0.125	0.0194	
5	Base Terminal	Copper alloy	37.82	Copper	7440-50-8	99.395	32.0052	32.2
				Chromium	7440-47-3	0.25	0.0805	
				Magnesium	7439-95-4	0.125	0.0402	
				Silver	7440-22-4	0.16	0.0516	
				Nickel	7440-02-0	0.07	0.0225	

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6	Bimetal Disc	Iron alloy	6.72	Nickel	7440-02-0	29.0	1.653	5.7
				Chromium	7440-47-3	2.0	0.114	
				Iron	7439-89-6	69.0	3.933	
7	PTC Ceramic body	Ceramic body	4.70	Barium Titanate	12047-27-7	>94.0	3.76	4.0
				Lead glass	7439-92-1	<6.0	0.24	
		Total weight	117.42					

This Document was updated on: March 7, 2016

Important remarks:

1. It is the responsibility of the user to verify they are accessing the latest version.