


# MATERIAL DECLARATION SHEET

**BOURNS®**

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

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	60088-52-0	60	12.48	20.8
				Glass fiber	65997-17-3	40	8.32	
2	Cover plate	Copper alloy	15.65	Copper	7440-50-8	95.5	12.7015	13.3
				Tin	7440-31-5	4	0.532	
				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	

6	Bimetal Disc	Iron alloy	6.72	Nickel	7440-02-0	29	1.653	5.7
				Chromium	7440-47-3	2	0.114	
				Iron	7439-89-6	69	3.933	
7	PTC Ceramic body	Ceramic body	4.70	Barium Titanate	12047-27-7	94	3.76	4.0
				Lead glass	7439-92-1	6	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.