

MATERIAL DECLARATION SHEET



Material Number	NX##AAB			
Product Line	Thermal Cut-Off			
Compliance Date	3 August 2023			
RoHS Compliant	Y	MSL		

No.	Construction Element(sub part)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass % Median ¹	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1		Cover and Base Resin	0.010	Poly Phenylene Sulfide	26125-40-6	65.0%	11.75%	18.08%
				Glass Fiber	65997-17-3	34.5%	6.24%	
				Carbon Black	1333-86-4	0.5%	0.09%	
2	NX##AAB	Cover Plate	0.005	Carbon	7440-44-0	0.075%	0.01%	9.00%
				Silicon	7440-21-3	0.50%	0.05%	
				Manganese	7439-96-5	1.00%	0.09%	
				Phosphorus	7723-14-0	0.02%	0.00%	
				Sulfur	7704-34-9	0.015%	0.00%	
				Nickel	7440-02-0	7.00%	0.63%	
				Chromium	7440-47-3	17.00%	1.53%	
				Iron	7439-89-6	74.39%	6.70%	
3		Arm Terminal	0.011	Copper	7440-50-8	99.98%	19.74%	19.74%
				Others	-	0.02%	0.004%	
4		Bimetal Disc	0.002	Nickel	7440-02-0	27.0%	1.17%	4.35%
				Cobalt	7440-48-4	4.2%	0.18%	

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				Chromium	7440-47-3	1.4%	0.06%	
				Manganese	7439-96-5	0.3%	0.01%	
				Iron	7439-89-6	67.1%	2.92%	
5		PTC	0.003	PTC Ceramic body	12047-27-7	99.99%	5.23%	5.24%
				Lead (II) oxide	1317-36-8	0.01% (Impurity)	0.001%	
6		Arm	0.005	Copper	7440-50-8	96.18%	9.13%	9.49%
				Zirconium	7440-67-7	0.02%	0.002%	
				Silver	7440-22-4	3.47%	0.33%	
				Nickel	7440-02-0	0.33%	0.03%	
7		Base Terminal	0.020	Copper	7440-50-8	99.56%	33.96%	34.10%
				Others	-	0.04%	0.01%	
				Silver	7440-22-4	0.26%	0.09%	
				Copper	7440-50-8	0.02%	0.01%	
				Nickel	7440-02-0	0.12%	0.04%	
		Total weight	0.056					

This Document was updated on: November 16, 2023

Important remarks:

1. The Material Mass column uses some median values for metal alloy %.
2. It is the responsibility of the user to verify they are accessing the latest version.