


MATERIAL DECLARATION



Material Number	PEC11S-929K-S0015			
Product Line	ENCODER			
Compliance Date	2024-07-11			
RoHS Compliant	YES	MSL	N/A	

No.	Construction Element(subpart)	Homogeneous Material	Material weight [g]	Homogeneous Material\ Substances	CASRN if applicable	Materials Mass %	Material Mass % of total unit wt.	Subpart mass of total wt. (%)
1	Shaft	Zinc Casting	0.729	Aluminium	7429-90-5	4.1	0.757	18.47
				Copper	7440-50-8	0.025	0.005	
				Magnesium	7439-95-4	0.035	0.006	
				Iron	7439-89-6	0.05	0.009	
				Zinc	7440-66-6	95.79	17.692	
2	Bushing	Zinc Casting	1.760	Aluminium	7429-90-5	4.1	1.828	44.59
				Copper	7440-50-8	0.025	0.011	
				Magnesium	7439-95-4	0.035	0.016	
				Iron	7439-89-6	0.05	0.022	
				Zinc	7440-66-6	95.79	42.714	
3	C Clip	ψ 0.4 Steel Wire	0.009	Carbon	7440-44-0	0.827	0.002	0.23
				Silica	14464-46-1	0.313	0.001	
				Manganese	7439-96-5	0.460	0.001	

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				Phosphin	7803-51-2	0.009	0.00002	
				Sulfur	7704-34-9	0.003	0.00001	
				Copper	7440-48-4	0.010	0.00002	
				Iron	1345-25-1	97.238	0.224	
				Carbon	7440-44-0	0.827	0.002	
				Silica	14464-46-1	0.313	0.001	
4	Actuator	HTN	0.011	HTN	25038-54-4	>99	0.276	0.28
				Additive	-	<1	0.003	
5	Leaf Spring	t0.2 Phosphor Bronze	0.132	Copper	7440-50-8	91.8	3.070	3.35
				Tin	7440-31-5	8	0.268	
				Phosphin	7803-51-2	0.2	0.007	
6	Rotor	HTN	0.135	HTN	25038-54-4	>99	3.386	3.42
				Additive	-	<1	0.034	
7	Contact Roller	t0.1 Phosphor Bronze	0.014	Copper	7440-50-8	91.8	0.349	0.38
				Tin	7440-31-5	8	0.030	
				Phosphin	7803-51-2	0.2	0.001	
		Ag Plating (0.5~1um)	0.001	Silver	7440-22-4	99.99	0.380	
				additive	-	0.01	0.00004	
8	Phenolic Case	LCP	0.255	Liquid crystal polymers/LCP	-	62	4.00557	6.46
				Mineral filler	-	5	0.32303	
				Glass fiber	65997-17-3	30	1.93818	

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				Carbon black	1333-86-4	3	0.19382	
9	Terminal	t0.15 Phosphor Bronze	0.114	Copper	7440-50-8	91.8	2.67469	2.91
				Tin	7440-31-5	8	0.23309	
				Phosphin	7803-51-2	0.2	0.00583	
		Ag Plating (0.5~1um)	0.001	Silver	7440-22-4	99.99	2.91331	
		additive	-	0.01	0.00029			
10	Switch Contact	t0.08 Titanium with copper	0.017	Copper	7440-50-8	96.6	0.44054	0.46
				Titanium	7440-32-6	3.4	0.01551	
		Ag Plating (0.5~1um)	0.001	Silver	7440-22-4	99.99	0.45600	
				additive	-	0.01	0.00005	
11	Spacer	LCP	0.128	Liquid crystal polymers/LCP	-	62	2.01064	3.24
				Mineral filler	-	5	0.16215	
				Glass fiber	65997-17-3	30	0.97289	
				Carbon black	1333-86-4	3	0.09729	
12	Attaching Plate	t0.4 Tin Plated Steel	0.640	Iron	7439-89-6	91.9	14.90144	16.21
				Carbon	7440-44-0	0.05	0.00811	
				Manganese	7439-96-5	0.05	0.00811	
				Tin	7440-31-5	8	1.29719	
		Total weight (g)	3.947					

This Document was updated on:

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Important remarks:

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