

MATERIAL DECLARATION SHEET



Material number	3590S-1-XXXL			
Product Line	Sensors & Controls			
Compliance Date	Jan 02, 2006			
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	Hex Nut	Brass C260	1.2500	Copper	7440-50-8	70	7.251	10.36
				Zinc	7440-66-6	30	3.1076	
		Plating	0.0900	Nickel	7440-02-0	100	0.7458	0.7458
2	Lock Washer	Carbon Steel C1050	0.17	Carbon	7440-44-0	0.5	0.0070	1.41
				Iron	7439-89-6	98.7	1.3905	
				Manganese	7439-96-5	0.75	0.0106	
				Phosphorus	7723-14-0	0.02	0.0003	
				Sulphur	7704-34-9	0.03	0.0004	
		Plating	0.0001	Nickel	7440-02-0	100	0.0008	0.0008
3	Lid	Resin	1.82	PBT	26062-94-2	53.7	8.10	15.08
				Glass Fiber	65997-17-3	30	4.52	
				Brominated Epoxy Resin	68928-70-1	10.5	1.58	
				Antimony Trioxide	1309-64-4	3	0.45	
				Pigment Blue 15	147-14-8	0.8	0.12	
				Further Additives, not to Declare	N/A	2	0.30	
4	Housing	Resin	3.1	PBT	26062-94-2	53.7	13.80	25.69
				Glass Fiber	65997-17-3	30	7.71	
				Brominated Epoxy Resin	68928-70-1	10.5	2.70	

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				Antimony Trioxide	1309-64-4	3	0.77	
				Pigment Blue 15	147-14-8	0.8	0.21	
				Further Additives, not to Declare	N/A	2	0.51	
5	Mandrel Wire	Annealed Copper Wire	1.22	Copper	7440-50-8	100	10.11	10.11
		Coating	0.0000312	Polyamide	63428-83-1	100	0.0003	0.0003
6	Resist Wire	Nickel/Chromium Alloy	0.22	Nickel	7440-02-0	74	1.35	1.82
				Copper	7440-50-8	1	0.0182	
				Chromium	7440-47-3	21	0.38286	
				Aluminum	7429-90-5	1	0.01823	
				Silicon	7440-21-3	1	0.01823	
				Cobalt	7440-48-4	1	0.01823	
				Manganese	7439-96-5	1	0.01823	
7	Varnish	Hi-Thermo BC-346A	0.052	Alkyd Resin	63148-69-6	99.5	0.42877	0.43
				Misc, Not to Declare	N/A	0.5	0.002	
8	T.R. Terminal x2	Copper CDA 194	0.121	Copper	7440-50-8	97.5	0.98	1.00
				Iron	7439-89-6	2.3	0.0231	
				Zinc (metal)	7440-66-6	0.1	0.0010	
				Lead	7439-92-1	0.01	0.0001	
				Further additives	N/A	0.09	0.0009	
		Silver Alloy A56T	0.07	Silver	7440-22-4	56	0.3248	0.58
				Copper	7440-50-8	22	0.1276	
				Zinc	7440-66-6	17	0.0986	
				Tin	7440-31-5	5	0.0290	
		Plating	0.004	Tin	7440-31-5	100	0.0331	0.03
9	Rotor/Shaft Molded \	Resin	1.78	Nylon 6.6 (Polyhexamethylene Adipamide)	32131-17-2	66	9.74	14.75
				Glass Fiber	65997-17-3	32	4.72	
				Molybdenum Disulfide	1317-33-5	2	0.295	
10	Slider Molded	Nylon	0.142	Polyamide 66	32131-17-2	53	0.62	1.18

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				Glass Fibers	65997-17-3	32	0.38	
				Tetrafluoroethylene Polymer	9002-84-0	13	0.15	
				Dimethyl silicone	63148-62-9	2	0.02	
11	Contact Spring	Paliney #6	0.008	Palladium	7440-05-3	44	0.03	
				Silver	7440-22-4	38	0.03	
				Copper	7440-50-8	16	0.011	0.07
				Platinum	7440-06-4	1	0.0007	
				Nickel	7440-02-0	1	0.0007	
12	Collector Bar	Beryllium Copper Alloy CA-172 alloy 25	0.031	Beryllium	7440-41-7	1.90	0.005	
				Nickel	7440-02-0	0.30	0.001	
				Cobalt	7440-48-4	0.30	0.001	
				Iron	7439-89-6	0.30	0.001	
				Aluminum	7429-90-5	0.10	0.0003	0.26
				Silicon	7440-21-3	0.10	0.0003	
				Copper	7440-50-8	96.70	0.248	
				Silver	7440-22-4	0.05	0.0001	
				Misc, Not to Declare	N/A	0.25	0.001	
		Under Plating	0.001	Nickel	7440-02-0	100	0.008	0.008
		Plating	0.001	Gold	7440-57-5	100	0.008	0.008
13	Terminal Wiper	Phosphor Bronze CDA 510	0.218	Copper	7440-50-8	94.6	1.709	
				Iron	7439-89-6	0.06	0.001	
				Phosphorus	7723-14-0	0.2	0.003	1.81
				Lead	7439-92-1	0.025	0.0005	
				Tin	7440-31-5	5.0	0.090	
				Zinc (Metal)	7440-66-6	0.1	0.002	
				Misc., Not to Declare	N/A	0.025	0.0005	
		Plating	0.002	Gold	7440-57-5	100.00	0.017	0.02
		Under Plating	0.002	Nickel	7440-02-0	100.00	0.017	0.02
14	Cover	Resin	1.365	PBT	26062-94-2	53.7	6.07	
				Glass Fiber	65997-17-3	30	3.39	11.31
				Brominated Epoxy Resin	68928-70-1	10.5	1.19	

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				Antimony Trioxide	1309-64-4	3	0.34	
				Pigment Blue 15	147-14-8	0.8	0.090	
				Further Additives, Not to Declare	N/A	2	0.226	
15	Lube	Lube	0.09	Decanoic Acid, Mixed Esters with Heptanoic Acid, Octanoic Acid, Trimethylolpropane	68130-53-0	54.4	0.41	0.75
				Lithium 12-Hydroxystearate	7620-77-1	5.7	0.043	
				Isohexadecyl-Isooctadecanoate	52006-45-8	33.7	0.25	
				Polyisobutylene	9003-27-4	6.2	0.046	
16	Lube	Lube	0.09	1-Decene, Tetramer, Mixed with 1-Decene Trimer, Hydrogenated	68649-12-7	58.8	0.439	0.75
				1-Propene, Polymer with Ethene	9010-79-1	30.8	0.230	
				Silica, Amorphous Fumed	112945-52-5	5.4	0.040	
				Polytetrafluoroethylene	9002-84-0	5	0.037	
17	Epoxy	UV - Epoxy	0.2200	Caprolactone, Trimethylolpropane Polymer	37625-56-2	60	1.094	1.82
				Aluminum Oxide	1344-28-1	30	0.547	
				Silica, Amorphous Fumed	112945-52-5	10	0.182	
		Total weight	12.0671					

This Document was updated on: 1/12/2026

Important remarks:

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