

MATERIAL DECLARATION SHEET

BOURNS®

Material Number	3549S-1XB-XXXX			
Product Line	Sensors & Controls			
Compliance Date	January 31, 2007			
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	1.50	Copper	7440-50-8	70	4.9261	7.0373
				Zinc	7440-66-6	30	2.1112	
2	Lock Washer	C1050 Carbon Steel	0.17	Carbon	7440-44-0	0.5	0.0040	0.7913
				Iron	7439-89-6	98.7	0.7810	
				Manganese	7439-96-5	0.75	0.0059	
				Phosphorus	7723-14-0	0.02	0.0002	
				Sulphur	7704-34-9	0.03	0.0002	
		Plating	0.0010	Nickel	10101-97-0	100	0.0047	0.0047
3	Lid Molded	Bushing Brass 360	3.33	Copper	7440-50-8	61.5	9.5889	15.5917
				Iron	7439-89-6	0.2	0.0312	
				Lead	7439-92-1	3.0	0.4678	
				Zinc	7440-66-6	35	5.4571	
				Misc, not to Declare	N/A	0.3	0.0468	
		Shinkong	0.836	PBT	26062-94-2	54.25	2.1235	3.9143
				GF-Fibre ISO 1043-2	65997-17-3	30	1.1743	
				Halogenated compound ISO 1043-4, not declarable	N/A	9	0.3523	
				Antimonytrioxide	1309-64-4	3.5	0.1370	

MATERIAL DECLARATION SHEET



				Carbon Black	1333-86-4	1.25	0.0489	
				Additives, not to Declare	N/A	2	0.0783	
4	Housing	ShinKong	3.032	PBT	26062-94-2	54.25	7.7016	14.20
				GF-Fibre ISO 1043-2	65997-17-3	30	4.2589	
				Halogenated Compound ISO 1043-4, not Declarable	N/A	9	1.2777	
				Antimonytrioxide	1309-64-4	3.5	0.4969	
				Carbon Black	1333-86-4	1.25	0.1775	
				Additives, not to Declare	N/A	2	0.2839	
5	Element Assy	Mandrel Wire Annealed Copper Wire	2.03	Copper	7440-50-8	100	9.50	9.50
		Coating	0.000083	Polyamide	63428-83-1	100	0.0004	0.0004
		Resist Wire Nickel-Chromium Alloy	0.523	Nickel	7440-02-0	74	1.81	2.45
				Copper	7440-50-8	1	0.0245	
				Chromium	7440-47-3	21	0.5142	
				Aluminum	7429-90-5	1	0.0245	
				Silicon	7440-21-3	1	0.0245	
				Cobalt	7440-48-4	1	0.0245	
				Manganese	7439-96-5	1	0.0245	
6	Varnish	Hi-Thermo	0.094	Alkyd Resin	63148-69-6	99.5	0.44	0.44
				Misc, Not to Declare	N/A	0.5	0.0022	
		Pigment	0.006	Basic Violet 11.1	73398-89-7	99.5	0.0280	0.03
				Misc. Not to Declare	N/A	0.5	0.0001	
7	Terminal Cover	Nylatron	0.109	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	0.34	0.51
				Glass Fiber	65997-17-3	32	0.16	
				Molybdenum Disulfide	1317-33-5	2	0.01	
8	T.R. Terminal x2	Nickel/Silver C752	0.0905	Copper	7440-50-8	65.00	0.275	0.42
				Nickel	7440-02-0	18.00	0.076	

MATERIAL DECLARATION SHEET



		Silver Alloy A56T	0.0001	Zinc	7440-66-6	17.00	0.072	0.0005
				Silver	7440-22-4	56.00	0.0003	
				Copper	7440-50-8	22.00	0.0001	
				Zinc	7440-66-6	17.00	0.00008	
				Tin	7440-31-5	5.00	0.00002	
		Plating	0.0003	Gold	7440-57-5	100.00	0.0014	0.0014
9	Shaft	Brass 360	6.858	Copper	7440-50-8	61.5	19.748	32.11
				Iron	7439-89-6	0.2	0.064	
				Lead	7439-92-1	3.0	0.963	
				Zinc	7440-66-6	35	11.239	
				Misc, not to declare	N/A	0.3	0.096	
		Plating	0.001	Nickel	7440-02-0	100	0.005	0.0047
10	Rotor Molded	Nylatron	1.154	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	3.57	5.40
				Glass Fiber	65997-17-3	32	1.73	
				Molybdenum Disulfide	1317-33-5	2	0.108	
11	Slider Molded	Nylatron	0.205	Nylon 6.6 (polyhexamethylene adipamide)	32131-17-2	66	0.63	0.96
				Glass Fiber	65997-17-3	32	0.31	
				Molybdenum Disulfide	1317-33-5	2	0.02	
12	Contact Spring	Paliney #6	0.003	Palladium	7440-05-3	44	0.01	0.01
				Silver	7440-22-4	38	0.01	
				Copper	7440-50-8	16	0.002	
				Platinum	7440-06-4	1	0.0001	
				Nickel	7440-02-0	1	0.000	
		Pfinodal 7 C72900	0.01	Copper	7440-50-8	72.875	0.034122	0.05
				Lead	7439-92-1	0.025	0.000012	
				Iron	7439-89-6	0.3	0.000140	
				Nickel	7440-02-0	21	0.009833	
				Cobalt	7440-48-4	0.25	0.000117	

MATERIAL DECLARATION SHEET



				Tin	7440-31-5	5.1	0.002388	
				Manganese	7439-96-5	0.3	0.000140	
				Misc	Not to declare	0.15	0.000070	
13	Collector Bar	Nickel/Silver C770	0.074	Copper	7440-50-8	59	0.204	0.35
				Nickel	7440-02-0	12	0.04	
				Zinc	7440-66-6	29	0.1005	
		Plating	0.0009	Gold	7440-57-5	100	0.004	0.004
14	Terminal Wiper	Brass C260	0.3810	Copper	7440-50-8	70	1.249	1.78
				zinc	7440-66-6	30	0.54	
		Under Plating	0.0120	Nickel	7440-02-0	100	0.06	0.06
		Finish Plating	0.0026	Gold	7440-57-5	100	0.01	0.01
15	Cover	Nylatron	0.812	Nylon 6.6 (Polyhexamethylene adipamide)	32131-17-2	66.00	2.509	3.80
				Glass Fiber	65997-17-3	32.00	1.217	
				Molybdenum Disulfide	1317-33-5	2.00	0.076	
16	C-Ring	Stainless Steel 420	0.014	Carbon	7440-44-0	0.31	0.00020	0.07
				Silicon	7440-21-3	0.44	0.0003	
				Manganese	7439-96-5	0.45	0.0003	
				phosphorus	7723-14-0	0.02	0.00001	
				Sulfur	7704-34-9	0.01	0.00000	
				Nickel	7440-02-0	0.23	0.00015	
				Chromium	7440-47-3	13.15	0.009	
				Iron	7439-89-6	85.40	0.056	
17	Washer	Stainless Steel 301	0.001	Carbon	7440-44-0	0.15	0.00001	0.00
				Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.045	0.000002	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1	0.0000	
				Chromium	7440-47-3	17	0.001	
				Nickel	7440-02-0	7	0.000	

MATERIAL DECLARATION SHEET



				Iron	7439-89-6	72.775	0.003	
18	Washer	Stainless Steel 301	0.001	Carbon	7440-44-0	0.15	0.00001	0.00
				Manganese	7439-96-5	2	0.0001	
				Phosphorus	7723-14-0	0.045	0.000002	
				Sulfur	7704-34-9	0.03	0.000001	
				Silicon	7440-21-3	1	0.0000	
				Chromium	7440-47-3	17	0.001	
				Nickel	7440-02-0	7	0.0003	
				Iron	7439-89-6	72.775	0.003	
19	Lube	Lube	0.009	1-Decene, tetramer, mixed with 1-decene trimer, hydorgenated	68649-12-7	58.8	0.0248	0.04
				1-Propene, polymer with ethene	9010-79-1	30.8	0.0130	
				Silica, amorphous fumed	112945-52-5	5.4	0.0023	
				Polytetrafluoroethylene	9002-84-0	5	0.0021	
20	Lube	Lube	0.09	Decanoic acid, mixed esters with heptanoic acid, octanoic acid, trimethylolpropane	68130-53-0	54.4	0.23	0.42
				Lithium 12-hydroxystearate	7620-77-1	5.7	0.024	
				Isohexadecyl-isooctadecanoate	52006-45-8	33.7	0.14	
				Polyisobutylene	9003-27-4	6.2	0.026	
21	Epoxy	Epoxy	0.005	Bisphenol A Diglycidyl Ether Resin	25068-38-6	44	0.01030	0.02341
				Alumina Trihydrate	21645-51-2	11	0.00258	
				Antimony trioxide	1309-64-4	11	0.00258	
				Diglycidyl Ether of Polypropylene Glycol	9072-62-2	10.2	0.00239	
				Titanium Dioxide	13463-67-7	0.9	0.00021	
				Kaolin Clay	1332-58-7	6	0.00140	
				Epoxy Resin	67924-34-9	6.1	0.00143	

MATERIAL DECLARATION SHEET



				Magnesium Aluminum Silicate	1302-88-1	9.5	0.002224	
				Phthalocyanine Blue	147-14-8	1.3	0.000304	
		Total weight	21.3575					

This Document was updated on: 07/24/2025

Important remarks:

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