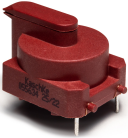


MATERIAL DECLARATION



| | | | | |
|-----------------|---------------------|-----|-----|---|
| Material Number | 055660 | | |  |
| Product Line | Current Transformer | | | |
| Compliance Date | December 08, 2022 | | | |
| 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 | Nanocrystalline Core | FeCuNbSiB Alloy | 2.0 | Iron | 7439-89-6 | 82.75 | 13.02 | 15.74 |
| | | | | Silicon | 7440-21-3 | 8.78 | 1.38 | |
| | | | | Niobium | 7440-03-1 | 5.62 | 0.88 | |
| | | | | Boron | 7440-42-8 | 1.53 | 0.24 | |
| | | | | Copper | 7440-50-8 | 1.28 | 0.20 | |
| | | Misc., not to declare | -- | 0.04 | 0.01 | | | |
| | | Coating | 0.2 | Epoxy Resin | 25036-25-3 | 45.0 | 0.71 | 1.57 |
| | | | | Limestone | 1317-65-3 | 45.0 | 0.71 | |
| | | | | Titanium dioxide | 13463-67-7 | 7.0 | 0.11 | |
| | | | | Quartz | 2421-28-5 | 1.0 | 0.02 | |
| Silicon Dioxide | 7631-86-9 | | | 1.0 | 0.02 | | | |
| BTDA | 2421-28-5 | 0.0-1.0 | 0.0-0.02 | | | | | |
| 2 | Coil Former | Glass Fiber Reinforced Polyamide | 1.96 | Polyamide 66 | 32131-17-2 | 57.0 | 8.79 | 15.42 |
| | | | | Glass Fiber | 65997-17-3 | 35.0 | 5.40 | |
| | | | | Red Phosphorous | 7723-14-0 | 6.0 | 0.93 | |
| | | | | Additives, not to declare | -- | 2.0 | 0.31 | |
| | | CuNi18Zn20 | 0.05 | Copper | 7440-50-8 | 60-63 | 0.24-0.25 | 0.39 |
| | | | | Zinc | 7440-66-6 | 19.97 | 0.08 | |
| | | | | Nickel | 7440-02-0 | 17-19 | 0.07-0.08 | |
| | | | | Manganese | 7439-96-5 | 0.0-0.5 | 0.0-0.002 | |
| | | | | Iron | 7439-89-6 | 0.0-0.3 | 0.0-0.001 | |
| | | | | Tin | 7440-31-5 | 0.0-0.03 | 0.0-0.001 | |
| | | | | Lead | 7439-92-1 | 0.0-0.03 | 0.0-0.001 | |
| | | | | Misc., not to declare | -- | 0.0-0.2 | 0.0-0.001 | |

MATERIAL DECLARATION



| | | | | | | | | |
|---|-----------------|-----------------------|-------|---|------------|-----------|-----------|-------|
| 3 | DIW Wire | Double Insulated Wire | 3.0 | Copper | 7440-50-8 | 95 | 22.42 | 23.60 |
| | | | | Polyurethane | 9009-54-5 | 4.75 | 1.12 | |
| | | | | Additives, not to declare | -- | 0.25 | 0.06 | |
| 4 | Tin-plated Wire | Tin-plated Wire | 3.3 | Copper | 7440-50-8 | 99.34 | 25.79 | 25.96 |
| | | | | Tin | 7440-31-5 | 0.33-0.98 | 0.09-0.25 | |
| | | | | Lead | 7439-92-1 | 0.0-0.1 | 0.0-0.03 | |
| | | | | Misc., not to declare | -- | 0.0-1.0 | 0.0-0.26 | |
| 5 | Potting | Potting Resin | 2.0 | Epoxy Resin | -- | 45.0-50.0 | 7.08-7.87 | 15.74 |
| | | | | Aluminium Hydroxide | 21645-51-2 | 47.0-52.1 | 7.40-8.20 | |
| | | | | 4-Formylmorpholine | 4394-85-8 | 0.0-0.3 | 0.0-0.05 | |
| | | | | Quartz | 14808-60-7 | 0.1-0.3 | 0.02-0.05 | |
| | | | | Carbon black | 1333-86-4 | 0.1-0.3 | 0.02-0.05 | |
| 6 | Adhesive | Acrylic | 0.1 | 2-Propenoic acid, 2-methyl-, methyl ester, polymer with methyl 2-propenoate | 9011-87-4 | 97.0-99.0 | 0.78-0.79 | 0.79 |
| | | | | Additives, not to declare | -- | 1.0-3.0 | 0.01-0.02 | |
| 7 | Solder | Sn99Ag0.3Cu0.7 | 0.1 | Tin | 7440-31-5 | 99.0 | 0.78 | 0.79 |
| | | | | Copper | 7440-50-8 | 0.7 | 0.006 | |
| | | | | Silver | 7440-22-4 | 0.3 | 0.002 | |
| | | Total weight | 12.71 | | | | | |

This Document was updated on: August 4, 2023

Important remarks:

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