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11 August 2023

OJ Declaration on Environment and Materials MRHX-3P02N, 2Nm stepper motor for rotary heat exchangers

Environmental commitment of OJ Electronics A/S

Green vision

OJ Electronics will continue to develop intelligent solutions, which provide maximum comfort with minimum energy consumption.

Green strategy

For OJ Electronics sustainability is a business approach that aims to achieve the best possible outcome not just for ourselves, but for our stakeholders and the environment too.

Impact

In all our business decisions and processes, we at OJ Electronics seek to strike a responsible balance between economic, human, and environmental considerations.

Products concerned

Reference product is OJ item number MRHX-3P02N-03C5, 2Nm stepper motor for rotary heat exchangers:



Data are also representative of item numbers
MRHX-3P02N-03C7
PM-82034101
PM-82100001

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Constituent materials

The products consist of the following fractions:

Material	Weight (g) *)	Weight % of total
Steel	1323	65%
Aluminum	320	16%
Copper	213	10%
Plastic, nylon	26	1%
Electronics/Cable	158	8%
Total	2040	100%

*) Data on materials and weights are provided to OJ by supplier. Weights may vary slightly

We declare that to the best of our knowledge the products meet the requirements of RoHS3, Restriction of Hazardous Substances Directives 2011/65/EU (RoHS2) with amendments, including Directive 2015/863/EU (RoHS3).

We declare that to the best of our knowledge, the products meet the requirements of REACH, Registration, Authorisation and Restriction of Chemicals, European Union Regulation (EC) 1907/2006 with amendments. This meaning that there are no Substances of Very High Concern (SVHC) present in concentrations above the limit of 0,1%, referring to the SVHC-list of 14th of June 2023.

We declare that to the best of our knowledge the products meet the requirements of POP, Regulation (EU) 2019/1021 of the European Parliament and of the Council on persistent organic pollutants with amendments.

To our knowledge, no nano materials or micro plastic have been intentionally added to the products.

Packaging

Products are individually packed in plastic bags and packed in layers of plastic foam. Products in bag and foam are packed in cardboard boxes for transportation. Box size for transportation depends on size of order.

Material	Approximated weight, per unit (g)
Plastic foam	57
Plastic bag	5

Smaller orders are shipped in cardboard boxes. For larger orders, cardboard boxes may be stacked on pallets and wrapped or strapped:

Pallet: Euro pallet, heat treated according to ISPM 15
Wrapping foil: Plastic, LLPDE
Strapping: Plastic, PP

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Manufacturing

The products are manufactured in China, under the responsibility of OJ Electronics A/S. Manufacturing plant holds a certification according to ISO 9001.

Installation

For the installation of the products only standard tools are needed.

Use

No consumables are necessary to use these products.

End of life

Development team at OJ Electronics A/S aims to integrate product end-of-life factors in the design phase.

Hazardous Waste

No hazardous waste, since products do not contain substances in concentrations above restrictions according to REACH, RoHS and POP and contain no batteries.

Recycling


Recyclability rate is estimated to 95%.

Products can be separated and recycled in the fractions mentioned under "Constituent materials".

Packaging is 100% reusable or recyclable.

Best regards

OJ ELECTRONICS A/S


Karin Schmidt, QHSE Coordinator