

OJ ELECTRONICS A/S
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CVR 10643597



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OJ Declaration on Environment and Materials MCD3-1999, thermostat for underfloor heating

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 part number MCD3-1999-R1E6, thermostat for underfloor heating, packed in unit box with sensor, neutral standard for EU.

Customer specific products might be in different colour and/or packed with extra lid.



Data are representative of the following OJ part numbers

MCD3-1999-XXYY XX representing customer two-letter abbreviations
 YY representing a letter and a number for colour code

Constituent materials

The product consists of the following fractions:

Fraction	Material	Weight (g) *)	Weight % of total
Frames, front cover, button **)	Plastic, ABS	29,6	15%
Bottom plate, inner housing, display window	Plastic, PC	21,7	11%
Slider	Plastic, POM	0,5	<1%
Electronics	Sensor, display, PCB, electronic components	144,8	74%
	Total	196,6	100%

*) Weights are approximated and may vary slightly

**) if extra lid is included, this weighs 5 g

We declare that to the best of our knowledge the product meets 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 product meets 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 product.

In accordance with REACH, Registration, Authorisation and Restriction of Chemicals, European Union Regulation (EC) 1907/2006 with amendments, we hereby declare that the product includes components with a content of Substances of Very High Concern, SVHC, above the limit of 0,1%, referring to the SVHC Candidate List of 14th of June 2023.

Component *)	Component weight (g)	SVHC	CAS-no.	Substance concentration (% w/w)	RoHS Exemption
SMBJ28A-E3/52	0,093	Lead	7439-92-1	7,08%	7.a, 7.c-1
MB6S-TP	No data	Lead	7439-92-1	8,12%	7.a

*) Where alternative components can be used, "worst case" is reported.

Packaging and accessories

The data shown in this section is representative of the mentioned reference product. Packaging and accessories, such as instruction manuals, may vary with customer specifications and therefore have different weight. Some customer specific products are packed in 10-piece boxes, before being packed in 50-piece boxes.

Packaging	Material	Weight, total (g)	Weight pr unit (g)
Instruction manuals	Paper	58	58
Unit box, incl. insert	Cardboard	37	37
50-piece box incl. insert	Cardboard	660	13,2

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50-piece boxes are stacked on pallets and wrapped or strapped:

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

For very small orders, packaging might differ from description.

Manufacturing

The products are manufactured at OJ Electronics A/S, Sønderborg, Denmark. OJ has an environmental certification according to ISO 14001:2015.

CO₂-equivalents for manufacturing: 0,054 kg CO₂-eq/product *)

*) Scope 1 and 2, 2022, average of all products produced at OJ.

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

The electronics include components with a content of SVHC above the limit of 0,1% as stated under "Constituent materials". When products are used as intended, the substances pose no risk. Caution is advised when disassembling product and disposing of electronic components as waste.

OJ has registered the product in the SCIP database in accordance with EU Waste Framework Directive (EU) 2018/85:

SCIP Number: d1b2989c-49b6-42d7-aa58-b6cb1f9e6d6d

Recycling

Recyclability rate is estimated to 95%.

Products can be separated into following waste fractions:

Fraction	% (w/w) of products
Electronics	74%
Plastic (ABS, PC, POM)	26%

Packaging is 100% reusable or recyclable.

Best regards

OJ ELECTRONICS A/S


Karin Schmidt, Quality Coordinator