Environmental product information
Contactors type AF265 ... AF370
General

The AF265 ... AF370 family is made to respond successfully to all plant engineering requirements, from the standard ones to the most technologically advanced ones.

Date published: 2013-09-21

The AF265 ... AF370 product family is manufactured in Sweden.


Product Conformity & Compliance

Regulation EC 1907/2006 (REACH)
- AF265 ... AF370 does not contain any substances of very high concern as listed in “the Candidate list” provided by the European Chemical Agency, ECHA, according to the European REACH-regulation. Number of substances on the Candidate List: 144 (last updated: 20 June 2013)

Directive 2011/65/EU (RoHS) (former 2002/95/EC)
- According to our current best knowledge, the AF265 ... AF370 product is compliant with the European RoHS Directive 2011/65/EU therefore does not contain any restricted substances exceeding the limitations in the directive. Restricted substances referred to in Article 4(1) and maximum concentration values tolerated by weight in homogeneous materials Lead (0,1 %), Mercury (0,1 %), Cadmium (0,01 %), Hexavalent chromium (0,1 %), Polybrominated biphenyls (PBB) (0,1 %), Polybrominated diphenyl ethers (PBDE) (0,1 %). Harmonized standard EN 50581:2012

Directive 94/62/EC (Packaging and waste packaging)

Product Safety

Conformity assessment with the product Standards is carried out by third party tests laboratory (accredited by Sweden) in respect of the EN ISO/IEC 17025 European Standard, by the Swedish certification body Intertek Semko AB according to IECEE CB Scheme and CB Certificate has been issued.

Standard:
- EN 60947-4-1; UL 60947-4-1

EU Directives:

Certifications
Product Composition

The chart below shows the constituents of AF265 ... AF370. The total weight of the product is 5952 gr excluding packaging.
(All materials ≥ 1 wt%, in accordance with IEC 62474 IEC)

Constituent substances

<table>
<thead>
<tr>
<th>Constituent materials</th>
<th>Constituent substances</th>
<th>Weight %</th>
<th>Cas no / EG no</th>
</tr>
</thead>
<tbody>
<tr>
<td>BMC melamine</td>
<td>Melamine Cyanurate</td>
<td>6,5%</td>
<td>37640–57-6</td>
</tr>
<tr>
<td>Polyamid 66h2 G-25-voct1</td>
<td>Zinkborat</td>
<td>1,26%</td>
<td>1332-07-6</td>
</tr>
<tr>
<td>Polyamid Pa6h2 G-20-v2hf</td>
<td>Antimontrioxid</td>
<td></td>
<td>1309-64-4</td>
</tr>
<tr>
<td>Polyamid Pa6h2 G-20-v2hf</td>
<td>Melamine cyanurate</td>
<td>1,2%</td>
<td>37640–57-6</td>
</tr>
<tr>
<td>Polyamid Pa6h2 G-20-v2hf</td>
<td>Melamine cyanurate</td>
<td>1,5%</td>
<td>37640–57-6</td>
</tr>
<tr>
<td>Polyamid Pa6h2 G-20-v2hf</td>
<td>Melamine cyanurate</td>
<td>0,6%</td>
<td>37640–57-6</td>
</tr>
</tbody>
</table>
Packaging

The total weight for AF265 ... AF370 packaging material is 288 grams. The chart provides information for each packaging material used.
The cardboard box and the paper used for the product manual are made of recycled fibers and are 100% recyclable.
The polymer films used are marked with the proper identification code and are recyclable.

Product Use

Standard usage scenario: 3500 h per year, 20 years, 80 % load (prEN50598-3)
Losses 27 W/pole at Ie/AC3 307 A +Coil holding 17.5 VA= 98.5 W
Rated operational power 200 kW

AF 370

5500 kWh

Power loss less than 0.05%

(prEN 50598-2 Power losses of motor starters are lower than 0.1 %);
The recycling potential of AF265 ... AF370 is 85 %.
The metals and polymers recycling and recovery rate are shown below.
Ref IEC/TR 62635 Ed. 1.0

Recyclability and recoverability rate has been calculated based on the guidelines of the IEC/TR 62635 Edition 1.0 (2012-10-19)
Guidelines for end-of-life information provided by manufacturers and recyclers and for recyclability rate calculation of electrical and electronic equipment

For the best recovery of the materials it is recommended to follow the scrapping instructions provided in the technical manual of AF265 ... AF370 at the product information portal (www.abb).