

Building material declaration from Lindinvent AB

Dok ID: A40405_A41405_APR40405_eBVD1519_112_eng



A40405/A41405/
APR40405

Product information

Product

Product name:	A40405, A41405, APR40405	
Article No.: <i>Specify the type of number, e.g. RSK, E-number, EAN, GTIN or supplier's article number.</i>	A40405, A41405, APR40405	
Product description:	Thermo-electric actuator	
Type of product:	<input type="checkbox"/> Chemical product	<input checked="" type="checkbox"/> Article
Date (year, month, day) of preparation/revision:	2020-11-26	
Comment on this document revision:	3rd e15BVD-format; Gold issue 2020 update1 – request for part specific RoHS and Cable Brass alloy specification	

Supplier/Manufacturer

Supplier:	Lindinvent AB
Manufacturer, if other than the supplier: Voluntary information	
Contact name at the supplier:	Fredrik Lenninger
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Supporting documentation

Has a declaration of performance in line with the European Construction Products Regulation (EU) no 305/2011, been prepared for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, attach the declaration of performance with the application.		
Is the article/product an electronic product and covered by the RoHS-directive?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, a certificate is available that attests that the product corresponds to the requirements according to the latest version of the RoHS-directive.		
If the article/product is an electronic product that is covered by an exemption according to the RoHS-directive, specify which exemption and date (year, month, day) when the exemption expires if time-limited:	Exemptions according to RoHS: Date:	

Declaration of contents:

See table 1 for the full content of the article or the chemical product, *on delivery*.

Table 1. Contents of included substances and material (declaration of content in accordance with the requirements).

Included substances and materials	EC-/ CAS-number (alternatively , alloy number)	Weight% (of the entire product)	When applicable, state for which subcomponent	Weight % (of subcomponent)	Comments (state any application of non-harmonized classifications)
PVC DIDP Copper Brass	26761-40-0	11,1 7,4 12,8 0,31	Cable Cable Cable Cable		H 03 V2V2H2-F Brass alloy with assumed zero Pb content but if included well below 1.5 weight% of 0,31 weight% of total product weight.
Brass Brass Steel NBR PTFE NBR Parafin	CuZn37Pb2 CuZn39Pb2 X8CrNiA18-9	8,6 2,15 1,1 0,37 0,02 0,04 0,71	Case Cover Piston O-ring washer Rubber sleeve Expandable mtrl		Expansion element parts Notice: Total included Pb weight% from Case+Cover Brass is 0,167%. ALL other manufacturers of thermal actuators have such an expansion element made of brass = The same "bad" rating!?
PA6, 10% GF, 20% GB		5,24	Piston top body		Radilon
ABS		3,03	Cap with marking		Bayblen FR3000
PC PBT		7,1 7,1	Housing Housing		Xenoy CL100; Blend ratio 50% PC
PUR	ISO-CAST A 765 B	1,31	Sealing		
Softslikon	KC 15AV / KU-TX 550	0,18	Insulation disc		
Silver plated ceramic		0,89	PTC		
PC+ABS		0,71	PTC cover		Bayblend Fr3000
Brass	Cu Zn 37 F54	0,16	Contacts PTC cover		
PA6, 10% GF, 20% GB		9,92	Basic body		Grivory GVX-5H
Stainless steel	X10CrNi18-8	12,99	FO spring 110N		
POM 26% GF		0,8	Clamp		Hostaform C9021
PES		4,59	Bottom body		Ultrason E3010
Other		1,38			No data sheet required

Are concentrations of the constituent substances reported down to a percentage by weight (weight percentage, wt%) of 0,01? (This implies a complete declaration of contents in which all substances present in concentrations of $\geq 0,01\text{wt}\%$ have been reported.)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If no, does the declaration follow the instructions for the level accepted as described in, "Content declaration, BVBS's accounting requirements, 2019-1".	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No

Additional comments on deviations: Nothing to report

Is the chemical composition different, for the product when applied (cured product) compared to the content at delivery? (Only for chemical products)	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , specify the content of the cured product in Table 2.		

Table 2. Contents for the applied product (full content in accordance with the declarations requirements)

Included substances and materials	EC-/ CAS-number	Weight% (of the applied product)	Comments (state any application of non-harmonized classifications)
If any deviations from Byggsvarubedomningens declaration requirements exist, specify these in the comments in Table 1, or alternatively here.		Other comments: Table 2 is not relevant	

Does the product or any of its subcomponents contain substances with particularly hazardous properties (Substances of Very High Concern, SVHC-substances), which are included in the Candidate List at a concentration ≥ 0.1 weight%?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If <i>yes</i> , specify these substances in Table 1 together with the rest of the content of the product.		
State the date (year, month, day) for control of the Candidate List.	Date: 2020-10-18	
The concentration is calculated at component level established on the principle "once a product, always a product".		
The Candidate List is available at: http://echa.europa.eu/sv/candidate-list-table .		

Nanomaterials

Does the product contain any nanomaterial that has been purposefully added to achieve a specific function? (voluntary information).	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , specify the material.	Material:	

Recycled raw material

Does the product contain recycled material?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , specify in Table 3.		

If the product consists of recycled materials specify the material and the percentages of the total weight of the product, in *Table 3*, Recycled materials.

Table 3. Recycled material.

Material	Percentage (%) Recycled material of the total product's weight	Percentage (%) of the recycled material that has not reached the consumer level, such as production waste, etc. (pre-consumer)	Percentage (%) of the recycled material that has reached the consumer level (post-consumer)	Comments

Wood raw material is not included. This declaration section is therefore omitted.

The production phase

Has an Environmental Product Declaration (EPD) according to ISO 14025 and EN 15804 (or equivalent for other product groups) been prepared?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Has another type of environmental product declaration been prepared?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , enclose the EPD (Environmental Product Declaration) or any other environmental product declaration together with the application.		
Has an active choice been made, regarding the electricity supplier, to promote electricity production from renewable energy sources?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If <i>yes</i> , describe the type of energy source, percentage of energy stemming from the renewable source, how long the agreement has been applied (start and end date), electricity supplier, and for which part of the production it is valid for: Hydroelectricity and Windwill electricity, 100% stemming from renewable sources, contract with fixed price from 01/03/2020 to 28/02/2022, Skellefteåkraft; valid for all production.		

Distribution of the completed product

<p>Describe the management of packaging for the distribution of the product</p> <p><i>State whether any system for taking back or recycling packaging or any other specific return system is used.</i></p> <p><i>Specify the packaging material used and which system of producer responsibility for packaging the supplier is affiliated to.</i></p> <p><i>Enter the proportion of recycled material, if any, included in the packaging.</i></p>	<p>Description of the packaging:</p> <p>Primary: Each valve has it's own paper box. Several valves are then put into a carton box that is stacked on wooden EU-pallet wrapped in plastics; Pallets shipped by truck.</p> <p>Member of FTI in Sweden, a common system for the collection and recycling of packaging mtrl.</p>
Other information: Not available	

Construction and usage phase

Are there any special requirements such as storage conditions etc. for the product during storage?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , describe:		
Are there any special requirements for adjacent building products because of this product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , describe:		
Are there any operating/care instructions for the product?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If <i>yes</i> , attach the documentation with the application.		
Is the product energy labelled in accordance with the Energy Labelling Directive (2010/30/EU)?	<input type="checkbox"/> Yes	<input type="checkbox"/> No
		<input checked="" type="checkbox"/> Not relevant
If <i>yes</i> , state class (G to A, A+, A++, A+++):	Class	

Waste management

Does the product require special measures to protect health and the environment in conjunction with demolition/dismantling?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, describe:		
Is the product covered by the WEEE-directive 2012/19/EU (Swedish ordinance (2014:1075) on Producer Responsibility for electrical and electronic products when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Is it possible to re-use all or parts of the product? (can the product be reused within the product's expected lifetime)?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, describe:		
Is material recycling possible for all or parts of the product when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, describe:		
Is energy recycling possible for all or parts of the product when it becomes waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Does the supplier have any restrictions and recommendations for reuse, material- or energy recycling or disposal?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, specify which:		
When the supplied product becomes waste, is it classified as hazardous waste?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, specify the waste code: The Swedish waste ordinance (2011:927) https://www.notisum.se/rnp/sls/lag/20110927.htm	Waste code:	

Indoor environment

Has the product a critical moisture condition: <i>Information regarding whether critical moisture conditions leading to microbial growth apply for the material/product should be stated but will not impact the assessment.</i>	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If Yes, specify which:		
Is the article (or chemical product) intended for indoor use?	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
If yes, has emission data been produced for volatile organic compounds?	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
If yes, attach the report/certificate together with the application.		
If no, is there any motivation for why emission data for volatile organic compounds is not relevant for the product?	Motivation: No reported emissions	

Additional declaration documentation

- Byggvarubedomningen's Certificate of substance content and concentrations, Version 5.0.
This certificate is issued in a separate document.