# **Building product declaration 2015**



according to BPD associations' standardised format eBVD2015

**Analog Room Control Box - ARCB** 

# 1. COMPANY INFORMATION

### **Lindab Sverige AB**

Company name:	Organisation number:
Lindab Sverige AB	556247-2273
Address:	Contact person:
Dolkvägen 16	Matilda Isaksson
E-mail:	Telephone:
matilda.isaksson@lindab.com	+46 72 353 44 61
VAT number:	Website:
	www.lindab.com
GLN:	DUNS:
7300009-00795-0	
Company was last saved	
2022-04-22 09:15:47	
Company's certification  ✓ ISO 9001 ✓ ISO 14001	
Other:	
Policies and guidelines	
The company has a code of conduct/policy/guidelines for dealing with the requirements	social responsibility in the supplier chain, including produces for ensuring
This is third-party audited	
If yes, which if the following guidelines have you affiliated to or management	system you have implemented
UN guiding principles for companies and human rights	
ILO's eight core conventions	
OECD Guidelines for Multinational Enterprises	
✓ UN Global Compact	
ISO 26000	
Other policy guidelines	

### **Management system**

If you have a management system for corporate social responsibility, what out of the following is included in the work?

✓ Mapping✓ Risk analysis

Action plan

✓ Monitoring

Sustainability reporting guidelines:

GRI (Global Reporting Initiative), GHG (Green House Gas Protocol)

### 2. ARTICLE INFORMATION

### **Document data**

ld:	Version:
A-7300009-00795-0-295	1
Created:	Last saved:
2022-06-23 11:59:19	2022-10-25 12:57:10
Changes relates to:	
Analog Room Control Box - ARCB	
Article name:	
Analog Room Control Box - ARCB	

### Article No/ID concept

Article identity: GTIN
7319662290029

### Product group/Product group classification

Product group system	Product group id
BK04	21098
ВК04	21099
BSAB96	Q
BSAB96	U

### Article description:

ARCB is a connection box for the Analog Room Control System ARCS. The box is powered with 230VAC and can feed 24VAC to one or more UltraLinks. ARCB also have connection terminals for output of two analog flow control signals, one for supply and one for extract. Additionally there is a possibility to connect a mode switch to set the flow signals to max, min or normal and finally also a connection for a potential free kitchen hood switch that allows the box to balance supply and extract air also accounting for the air extracted by the kitchen hood.

Declarations of performance:	Declaration of performance number:
Not applicable	
Other information:	

### **Annexes**

### Annex

https://www.lindab.com/globalassets/commerce/lindabwebproductsdoc/pdf/documentation/ads/lindab/rohs/lindab\_rohs\_ventilation\_products.pdf

https://www.lindab.com/globalassets/commerce/lindabwebproductsdoc/assets/production/zmqym2qzmmqtotlhzs00ntzilweyztutmzbjnjy4yja3mmuy/52495

https://www.lindab.com/globalassets/commerce/lindabwebproductsdoc/assets/production/yja0ogfmmdytogu0nc00yjrhltk2ymitogzimwzlowmxntm0/52495

# 3. CHEMICAL CONTENT

# Chemical content Does the declaration apply to a product or chemical product? product Enter chemical content for the whole article. The concentration is calculated at component level according to the principle of "once an article always an article". Is there a safety data sheet for the article? Not applicable Is there classification of the article?

Enter which version of the candidate list has been used (Year, month, day)

The article is covered by the RoHS Directive:

If yes, indicate the classification of the product under Regulation (EC) No

Enter the weight of the article:

Yes

Not applicable

Enter how large a proportion of the material content has been declared [%  $^{\rm 1}\cdot$ 

]: 100

If 100% material content is not declared, please state the reason

If the article contains nanomaterials deliberately added to obtain a particular function, enter these here:

Has the presence of nanomaterials deliberately added to notifiable chemical products been reported to the Product Register

PVC Plastic

Enter the proportion of volatile organic substances [g/litre], applies only to sealants, paints, varnishes and adhesives:

### Article and/or sub-components

Phase	Delivery				
Component	5-pin PCB Termina	l Block	Weight% of product	=7.45	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance

	1 401 145416	100	0002 00 2		
Component	Base Board		Weight% of	=15.29	
Component	Dase Doard			-13.29	
			product		

9002-86-2

=100

### Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Base Board		=86.19	-		
Base Board	Copper	=4.88	7440-50-8		
Base Board	Epoxy Resin	=38.779	26265-08-7		
Base Board	Glass Cloth	=56.341	65997-17-3		

100-42-5  Component  Comment  Material	Cables Substance	Concentration interval (%)	Weight% of product  EG/CAS/Alternative designation	=4.55  Candidate list	Phasing-out substance
100-42-5				=4.55	
	H3/2 - STOT RE 1				
	H3/2 - STOT RE 1				
100 12 0					
100-42-5	H361d - Repr. 2				
100-42-5	H332 - Acute Tox. 4				
100-42-5	H319 - Eye Irrit. 2				
100-42-5	H315 - Skin Irrit. 2				
100-42-5	H226 - Flam. Liq. 3		, -		
CAS	H-phrase		Exposure		
Terluran® ABS Plastic	Styrene-acrylonitrile- butadiene copolymer	>98	9003-56-9		
Terluran® ABS Plastic	Styrene	<0.1	100-42-5		
Terluran® ABS Plastic		=63.17			
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Comment					
Component	Вох		Weight% of product		
7723-14-0	H228 - Flam. Sol. 1				
7440-02-0	H372 - STOT RE 1				
7440-02-0	H351 - Carc. 2				
7440-02-0	H317 - Skin. Sens. 1				
CAS	H-phrase		Exposure		
Solder Ink	Silicon Dioxide Hydrate	=4.918	10279-57-9		
Solder Ink	Phenolic Epoxy Resin	=45.082	61788-97-4		
Solder Ink	Dipentaerythritol Hexaacrylate	=9.836	29570-58-9		
Solder Ink	Dimethy I Hexanedioate	=14.75	95481-62-2		
Solder Ink	Barium Sulfate	=25.41	7727-43-7		
Solder Ink		=1.98			
Plating Copper Layer	Phosphorus	=0.354	7723-14-0		
Plating Copper Layer	Copper	=99.646	7440-50-8		
Plating Copper Layer		=9.18			
HAL Layer	Sn	=90	7440-31-5		
-		Comment: 0,005 w/w-%.			
HAL Layer	Nickel	=5	7440-02-0		
HAL Layer	Copper	=5	7440-50-8		
HAL Layer		=2.65			

Non Ferrous Alloys PA Polymide PBT Polybutylene Terephtalate		=1.2 =16.85			
		=1.2			
Non Ferrous Allovs					
		=2.42			
Ferrous Alloys Iron		=0.11			
Discharge Lamps		=0.99 =0.11			
Copper  Discharge Lamps		=23.68			
Cable and Connectors		=0.66			
Brass		=6.83			
Material	Substance	interval (%)	designation	list	substance
Comment		Concentration	EG/CAS/Alternative	Candidate	Phasing-o
Component	Plug-in Relay		Weight% of product	=2.64	
Comment					
Component	Pin Strip, Jackable Terr	minal Block	Weight% of product	=0.066	
	. Olyaniido o		20000 04-4		
	Polyamide 6	interval (%) =100	designation 25038-54-4	list	substance
Material	Substance	Concentration	EG/CAS/Alternative	Candidate	Phasing-o
Comment			p. 0 3 3 0 0		
Component	Foot Element		Weight% of product	=16.54	
Comment					
Component	Diode		Weight% of product	=0.01	
Comment			14/-1-1/0/		
Component	Capacitor Tantalum		product	=1.99	
Comment	Congoites Taylete		Weight% of	-1.00	
	-,		product		
Component	Capacitor Ceramic 301	-10-863	Weight% of	=0.5	
Comment			product		
Component	Capacitor Ceramic 165	-71-681	Weight% of	=0.02	
		Comment: 0,58 w/w-%.			
Wire in cables	Undeclared substances	=1	Proprietary.		
Wire in cables	Copper	=99	7440-50-8		
(Polyethylene) Wire in cables	copolymer	=58			
(Polyethylene) Coating on cables	Ethylene-vinyl acetate	=15.5	24937-78-8		
Coating on cables	Copper	=99	7440-50-8		
Coating on cables	·	=62	21645-51-2		
(Polyethylene)	1-Butene, polymer with ethylene Aluminium (III) Hydroxide	=23 =62	25087-34-7 21645-51-2		

Silver		=1.65			
Stainless Steel		=0.33			
Steel		=12			
Component	Power Supply Unit		Weight% of product	=8.82	
Comment					
Component	Relay 1VXL		Weight% of product	=1.52	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Brass		=21.57			
Bronze		=2.21			
Copper		=13.27			
Electronic Components		=0.92			
Iron		=4.79			
PA Polyamide		=0.63			
PBT Polybutylene Terephtalate		=1.11			
PC Polycarbonate		=7.56			
PET Polyethilene Terephtalate		=4.42			
POM Polyacetal		=2.21			
Silver		=1.47			
Stainless Steel		=0.18			
Steel		=39.64			
Component	Relay 2VXL		Weight% of product	=1.53	
Commont			product		
Comment Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Brass		=13.31	<del></del>		
Bronze		=1.37		$\overline{\sqcap}$	
Copper		=8.19			$\overline{\sqcap}$
Electronic Components		=0.57			
Iron		=2.96			
PA Polyamide		=38.68			
PBT Polybutylene Terephtalate		=0.68			
PC Polycarbonate		=4.66			
PET Polyethilene Terephtalat		=2.73			
POM Polyacetal		=1.37			
Silver		=0.91			
Stainless Steel		=0.11			

=24.46

Steel

Component					
	Resistor (301-55-329)		Weight% of product	=0.002	
Comment					
Component	Resistor 301-55-272		Weight% of product	=0.57	
Comment					
Component	Resistor 8301-55-343		Weight% of product	=0.002	
Comment					
Component	Screw Connectors		Weight% of product	=2.94	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-o
Body		=59			
Body	Chloroprene Rubber	=100	9010-98-4		
Body	Pigment (Light Grey Masterbatch)	<2	Proprietary.		
Body	Polyamide 6	>=98	25038-54-4		
Сар		=37			
Сар	Pigment (Light Grey Masterbatch)	<2	Proprietary.		
Сар	Polyamide 6	>98	25038-54-4		
Seal		=4			
Component	Side Part UM 25-SES		Weight% of product	=12.07	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-c
	PVC Plastic	=100	9002-86-2		
Component	Socket for Relay 1VXL		Weight% of product	=2.36	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-c
Brass		=14.1			
PA Polyamide		=57.38			
POM Polyacetal		=2			
Stainless Steel		=0.11			
Steel		=26.42			

### Comment

Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-ou substance
Brass		=14.1			
PA Polyamide		=57.3			
POM Polyacetal		=2			
Stainless Steel		=0.11		$\overline{\sqcap}$	
Steel		=26.42			
Component	Socket for RXMA4 4VXL		Weight% of product	=4.57	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-ou substance
Brass		=15.8			
PA Polymide		=50.59			
POM Polyacetal		=32.23			
Steel		=1.39			
Component	Terminal Block ZDK		Weight% of product	=0.71	
Comment			product		
	Terminal Block ZDU2		Weight% of product	=0.49	
Comment			product		
	Terminal Block ZPE		Weight% of product	=0.82	
Comment					
Component	Trim Potentiometer		Weight% of product	=3.97	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-ou
Contact Spring (Stainless Steel)	3	=2			
Contact Spring (Stainless	Carbon	=0.18	7440-44-0		
Steel) Contact Spring (Stainless	Chromium	=17	7440-47-3		
Steel) Contact Spring (Stainless					
Steel)		=72	7439-89-6		
Contact Spring (Stainless Steel)		=2	7439-96-5		
Contact Spring (Stainless Steel)	Nickel	=8	7440-02-0		
ŕ		Comment: Some uses of restrictions for this use.	this substance are restricted	under Annex XVII o	of REACH. No
Contact Spring (Stainless Steel)	•	=0.45	7723-14-0		
Contact Spring (Stainless Steel)	Silicon	=0.75	7440-21-3		
Contact Spring (Stainless	Sulfur	=0.03	7704-34-9		
Steel)					
Steel) Housing (Polybutylene Terephthalate)		=87			

Housing (Polybutylene Terephthalate)	Brominated Flame Retardant	=10	36355-01-8		
		Comment: Some uses	of this substance are restricted	under Annex XVII	of REACH.
Housing (Polybutylene Terephthalate)	Glass Fiber	=35	65997-17-3		
Housing (Polybutylene Terephthalate)	Polybutylene Terephthalate	=49	30965-26-5		
Rotor (Nylon)		=11			
Rotor (Nylon)	Carbon Black	=2	7440-44-0		
Rotor (Nylon)	Glass Fiber	=30	65997-17-3		
Rotor (Nylon)	Polyamide 66	=60	32131-17-2		
Rotor (Nylon)	Tetrafluoroethylene	=8	9002-84-0		
			_		
CAS	H-phrase		Exposure		
7440-02-0	H317 - Skin. Sens. 1				
7440-02-0	H351 - Carc. 2				
7440-02-0	H372 - STOT RE 1				
7704-34-9	H315 - Skin Irrit. 2				
Component	Voltage Degulator		Weight% of	=0.147	
Component	Voltage Regulator		product	=0.147	
Comment					
Material	Substance	Concentration interval (%)	EG/CAS/Alternative designation	Candidate list	Phasing-out substance
Connections Coating		=1.99			
Connections Coating	Tin (Sn)	=100	7440-31-5		
Die		=0.22			
Die	Aluminium (AI)	=1.25	7429-90-5		
Die	Silicon (Si)	=97.76	7440-21-3		
Die	Silicon Nitride (SiN)	=0.43	12033-89-5		
Die	Silicon Oxide	=0.56	7631-86-9		
Encapsulation		=41.65			
Encapsulation	Carbon Black	=0.5	1333-86-4		
Encapsulation	Epoxy Resin	=13	Proprietary.		
Encapsulation	Mercaptopropyl Trimethoxysilane	=0.4	4420-74-0		
Encapsulation	Phenol Resin	=6	9003-35-4		
Encapsulation	Polyethylene Resin	=0.4	9002-88-4		
Encapsulation	Quartz	=10	14808-60-7		
Encapsulation	Silica Vitreous	=69.6	60676-86-0		
Encapsulation	Triphenylphosphine	=0.1	603-35-0		
Leadframe		=56			
Leadframe	Copper (Cu)	=99.87	7440-50-8		
Leadframe	Iron (Fe)	=0.05	7439-89-6		
Leadframe	Iron Phosphide (FeP)	=0.08	26508-33-8		
Soft Solder		=0 13		$\overline{\Box}$	

Soft Solder	Lead (Pb)	=96	7439-92-1	
		concentration (	he Candidate List. Exempted from red 0,004 w/w-%). of REACH, but not for this use.	quirements because of the low
Soft Solder	Silver (Ag)	=2	7440-22-4	
Soft Solder	Tin (Sn)	=2	7440-31-5	
CAS	H-phrase		Exposure	
7439-92-1	H362 - Lact.			
Is there supporting d			rtified system for control of origin, raw ate, USGBC Program)? If yes, enter	
RAW MA  Is there supporting d	locumentation for the raw mat or similar (for example BES 6			
RAW MA Is there supporting d recycling processes  Raw material	locumentation for the raw mat or similar (for example BES 6	3001:2008, EMS certific		
RAW MA Is there supporting d recycling processes  Raw material Total recycle	locumentation for the raw mat or similar (for example BES 6	rticle		

Ori	gin of raw material
For th	nis product, there has been no withdrawal of virgin fossil material
No	
For th	nis product, there has been no withdrawal of virgin fossil material
Wo	od raw materials
	Wood raw materials are included Included wood raw material is certified
How	large a proportion is certified [%]?
What	t certification system has been used (for example FSC, CSA, SFI with CoC, PEFC)?
Refe	rence number:
Enter	logging country for the wood raw material and that following criteria have been met. Country of logging:
	Does not contain type of wood or origin in CITES appendix of endangered species
Whic	h version of CITES has been used for the check?
	The timber has been logged legally and there is certification for this
ΕN	IVIRONMENTAL IMPACT
	vironmental impact during life cycle of the article, production phase module A1-A3 under El
	Has environmental product declaration been drawn up according to EN 15804 or ISO 14025 for the article?
Thes	e product-specific rules, known as PCR, have been applied: Registration number / ID number for EPD:
11103	registration number / ID number for El D.
	re is environmental product declaration or other life cycle assessment, describe how the environmental impact of the article is taken into account a life cycle perspective:

# 6. DISTRIBUTION

# Distribution of finished article

	Does the supplier apply any system with multiple-use packaging for the article?
	No
	Does the supplier take back packaging for the article?
	No
	Is the supplier affiliated to a system for product responsibility for packaging?
	Yes
	If yes, which packaging and which system?
	Förpacknings & Tidningsinsamlingen (FTI)
	Can packaging/packaging be reused?
	Not applicable
	Can packaging/packaging be recycled?
	Yes
	Can packaging/packaging be energy recycled?
	Yes
	Does the supplier use Retursystem Byggpall?
	Yes
	Other information:
	If possible products are packed together. The packaging materials include wood, cardboard, and plastic wrap. Wooden pallets are being reused. All packaging consists of recyclable material, the cardboard Lindab uses for packaging consist of 97,5% recycled material. Shipments of manufactured goods are mainly transported by truck to the customer/branch. The average transporting distance is <500 km.
<b>7</b> .	CONSTRUCTION PHASE
	Construction phase
	Does the article make special requirements in storage?
	No
	Specify
	See Data Sheet.
	Does the article make special requirements for surrounding building products?
	No
	Specify
	See Data Sheet.
	Other information:

# 8. USE PHASE

## Use phase

	Does the article make requirements for input materials for operation and maintenance?	
	Not applicable	
	Specify:	
	Does the article require supply of energy during operation?	
	Yes	
	Specify:	
	See Data Sheet.	
	Estimated technical service life for the article:	
	20 years	
	Comment:	
	Lifetime depends on the environment where the product is being used	i
	Is there energy labelling under the Energy Labelling Directive (2010/30	)/EU) foi
	Not applicable	
	If yes, enter labelling (G to A, A+, A++, A+++):	
	If yes, enter marking (G to A)	
	Other information:	
)_	DEMOLITION	
-	Demolition	
	In the article propaged for disappeophly (dismontling)?	
	Is the article prepared for disassembly (dismantling)?	
	Not applicable  Can the product be consisted into pure meterial types for regulating?	
	Can the product be separated into pure material types for recycling?	
	Not applicable	
	Specify:	
	Does the article require special measures for protection of health and environment in demolition/disassembly?	
	Not applicable	
	Specify:	
	Other information:	

# **10. WASTE MANAGEMENT**

### **Delivered article**

Is the supplied article covered by the Ordinance (2014:1075) on producer responsibility for electrical and electronic products when it becomes waste?
No
Is reuse possible for the whole or parts of the article when it becomes waste?
No
Specify:
Is material recovery possible for the whole or parts of the article when it becomes waste?
Yes
Specify:
Electronics are discared according to local regulation. Material recovery is possible for parts.
Is energy recovery possible for the whole or parts of the article when it becomes waste?
Yes
Specify:
Electronics are discared according to local regulation. Enery recovery is possible for parts.
Does the supplier have restrictions and recommendation for re-use, material or energy recovery or landfilling?
Not applicable
Specify:
Waste code for the delivered article when it becomes waste
200136 - 36 Annan kasserad elektrisk och elektronisk utrustning än den som anges i 20 01 21, 20 01 23 och 20 01 35.
When the supplied article becomes waste, is it classified as hazardous waste?
Yes
Mounted article
Is the mounted article classified as hazardous waste?
Yes
Other information

# 11. INDOOR ENVIRONMENT

### **Indoor environment**

The article is not intended for indoor use				
The article does not emit any substances				
Emissions from the article not measured				
Does the article have a critical moisture state?				
No				
If yes, state what:				
Noise	Electrical field	Magnetic fields		
Can the article give rise to own noise?	Can the article give rise to electrical fields?	Can the article give rise to magnetic fields?		
Not applicable	Not applicable	Not applicable		
Value:	Value:	Value:		
Unit:	Unit:	Unit:		
Measuring method:	Measuring method:	Measuring method:		
•	•	•		
Paints and varnishes				
The article is resistant to fungi and algae in use in wet areas				
Emissions				

The article produces the following emissions in intended use:

### Other information