



## Environmental Product Declaration

### Product

Type of equipment / Product No.	3NP1131-1CA24	switch disconnecter box EFM15 (ACDC)
	3NP1133-1CA24	switch disconnecter box EFM15 (3AC)
	3NP1141-1DA24	switch disconnecter box EFM15 (ACDC)
	3NP1143-1DA24	switch disconnecter box EFM15 (3AC)
	3NP1151-1DA24	switch disconnecter box EFM15 (ACDC)
	3NP1153-1DA24	switch disconnecter box EFM15 (3AC)
	3NP1161-1DA24	switch disconnecter box EFM15 (ACDC)
	3NP1163-1DA24	switch disconnecter box EFM15 (3AC)
	3NP1121-1CA24	switch disconnecter box EFM15 (ACDC)
	3NP1123-1CA24	switch disconnecter box EFM15 (3AC)
Product line	3NP11...-1.A24	
	main devices with EFM 15	

### Process control

Siemens AG		
Siemensstr. 10		
93055 Regensburg / Germany		
Management System	since	by
ISO 9001 (Quality)	15.12.1993	VDE
ISO 14001 (Environment)	08.09.1999	VDE
OHSAS 18001 (OH&S)	28.06.2011	VDE

### Environmentally compatible product design

Product responsibility of Siemens covers the entire product life cycle. Siemens already assesses, avoids and minimizes the environmental impact of its products with respect to production, procurement, sales, use, services and disposal during the product and process planning phases by complying with Siemens EP Standard (former SN 36350) "Specifications on Environmentally Compatible Product and System Design".

### Product use

Typical energy consumption	variant *) see below not often switched devices!
Maintenance	Not necessary
Fire load	variant *) see below

### Packaging

22-PAP paper	variant
PE	variant
Notes on disposal	recyclable

### Materials

Total weight of device	variant *) see below
The total weight of a device may deviate from the total of the weights of all individual components due to rounding.	
PA66; GF 25%; halogen-free	variant
PA6; GF 20%; halogen-free	variant
PC; halogen-free	variant
Cu; silver plated	variant
Steel; zinc plated	variant
Steel; heated	variant

	Cu; tinned	variant
	CuZn; w/o.	variant
PCBAs (Printed Circuit Board assembled)	FR4; halogen-free; solder SnAgCu	variant

## \*Variant parts list

	3NP1131-1CA24	3NP1133-1CA24	3NP1141-1DA24	3NP1143-1DA24	3NP1151-1DA24	3NP1153-1DA24	3NP1161-1DA24	3NP1163-1DA24	3NP1121-1CA24
Total weight of device [g]	398	896	1.110	2.754	1.635	3.652	1.852	4.754	283
PA66; GF 25%; halogen-free	94	159	323	587	466	815	469	884	74
PA6; GF 20%; halogen-free	177	387	427	974	482	1.181	556	1.408	129
PC; halogen-free			18	61	21	72	25	85	5
Cu; silver plated	38	114	149	448	282	868	411	1.233	26
Steel; zinc plated	7	12	174	642	277	413	277	822	29
Steel; heated	24	72	4	13	8	25	15	46	4
Cu; tinned	2	2			83	248	83	248	
CuZn; w/o.	40	120							
FR4; halogen-free; solder SnAgCu	16	29	16	29	16	29	16	29	16
Fire load [MJ]	7	14	19	41	24	51	26	59	6
Typical energy consumption [kWh/a]	100	300	192	575	283	849	400	1.199	75
Packaging									
22-PAP paper [g]	104	186	322	289	382	330	382	372	79
PE	3	3	5	5	5	5	5	5	3

## Disposal



The device is classified as waste electronic equipment in terms of the European Directive 2012/19/EU (WEEE) and must not be disposed of as unsorted municipal waste. The relevant national legal rules are to be adhered too. Regarding disposal, use the systems setup for collecting electronic waste. Observe all local and applicable laws.

## Comments

### EU-directive 2011/65/EU (RoHS)

The device does not contain substances in concentrations and applications banned under the EU RoHS Directive.

### Regulation (EC) No. 1907/2006 (REACH)

The device contains the following substances of the candidate list according to Article 59 (1, 10) of the regulation (EC) No. 1907/2006 concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH) in concentrations above 0.1 % w/w.

Lead (3NP1131-1CA24 and 3NP1133-1CA24), CAS-Nr.7439-92-1

(Status according to the creation date of this document.)

The device is halogen-free.

### Legal Disclaimer: This declaration is for information purpose only.

This Environmental Product Declaration does not constitute a guarantee of the composition of a product, neither does it guarantee that the product will retain a particular composition for a particular period.

Siemens AG therefore does not assume liability for any error or for any consequences which may arise from the use of this information to the maximum extent under the law.

Please contact your local Siemens branch office to get further information on environmental aspects and disposal.