



Environmental Product Declaration

Product

Type of equipment / Product No.	3NP1123-1BC24	switch disconnecter box EFM15 (3AC) bus.
	3NP1133-1BC14	switch disconnecter flat EFM15 (3AC) bus.
	3NP1133-1BC24	switch disconnecter box EFM15 (3AC) bus.
	3NP1143-1BC14	switch disconnecter flat EFM15 (3AC) bus.
	3NP1143-1BC24	switch disconnecter box EFM15 (3AC) bus.
	3NP1153-1BC14	switch disconnecter flat EFM15 (3AC) bus.
	3NP1153-1BC24	switch disconnecter box EFM15 (3AC) bus.
	3NP1163-1BC14	switch disconnecter flat EFM15 (3AC) bus.
	3NP1163-1BC24	switch disconnecter box EFM15 (3AC) bus.
Product line	3NP11...-1BC.4 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
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The total weight of a device may deviate from the total of the weights of all individual components due to rounding.

Plastics	PA66; GF 25%; halogen-free	variant
	PA6; GF 20%; halogen-free	variant
	PC; halogen-free	variant
Metals	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	29g

***Variant parts list**

		3NP1123-1BC24	3NP1133-1BC14	3NP1133-1BC24	3NP1143-1BC14	3NP1143-1BC24	3NP1153-1BC14	3NP1153-1BC24	3NP1163-1BC14	3NP1163-1BC24
Total weight of device	[g]	962	1.097	1.187	2.958	3.100	3.990	4.330	4.814	5.126
PA66; GF 25%; halogen-free		331	293	293	762	762	1.014	1.014	1.110	1.110
PA6; GF 20%; halogen-free		260	387	387	974	974	1.181	1.181	1.408	1.408
PC; halogen-free		15	21	21	61	61	72	72	84	84
Cu; silver plated		143	171	171	706	754	1.229	1.240	1.689	1.681
Steel; zinc plated		171	184	184	413	506	439	644	447	644
Steel; heated		12	12	42	13	13	25	25	46	46
Cu; tinned								124		124
CuZn; w/o.				60						
Fire load	[MJ]	16	18	18	45	45	56	56	64	64
Typical energy consumption	[kWh/a]	225	300	300	575	575	849	849	1.199	1.199
Packaging										
22-PAP paper	[g]	70	113	113	282	282	323	323	364	364
PE			2		2		2		2	

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 (only 3NP1133-1BC24), 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.

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10.10.2018