

PEP information for auxiliaries and accessories

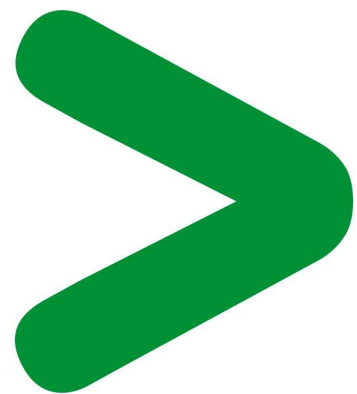
**Compact NS and NSX Circuit breakers
from 100 to 630 A**



100 to 250A assembly



400 to 630A assembly



Environmental impacts for auxiliaries and accessories

Schneider-Electric publishes the product environmental impacts of the main function of the offer in the PEP document. It is the Product Environmental Profile of this main function product. The “PEP information for auxiliaries and accessories” document completes the product environmental information included in the PEP with impact information for auxiliaries and accessories.

These auxiliaries and accessories environmental impacts are presented as average percentages of the impact of the main function disclosed in the PEP.

Main function product overview

This “PEP information for auxiliaries and accessories” document completes the impact information Compact NS160, Compact NSX160, Compact NS400 and Compact NSX400 circuit breakers which is the main function of the range.

According to the main function product environmental impacts can be included :

- in the PEP “Compact NSX100 to NSX250” (reference ENVPEP070805EN) and in the PEP “Compact NS100 to NS250” (reference ENVPEP050905EN) for the Compact NS and NSX auxiliaries and accessories from 100 to 250A.
- in the PEP “Compact NSX400 to NSX630” (reference ENVPEP070806EN) and in the PEP “Compact NS400 to NS630” (reference ENVPEP050906EN) for the Compact NS and NSX auxiliaries and accessories from 400 to 630A.

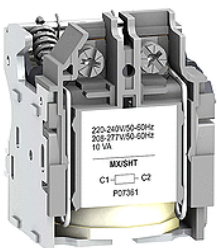
Auxiliaries and accessories overview

The auxiliaries range includes:

- Auxiliary indication contact. It clips into slots behind the front cover of the circuit breakers NSX 100 to 630A (or Vigi module). This common-point changeover contact provides remote circuit-breaker status information: open, closed or tripped. It can be used for indications, electrical locking, relaying.



29450



LV429387

- Voltage release. The main function of this release is to trip the circuit breaker. It serves primarily for remote, emergency-off commands.

The accessories range includes:

- Long terminal shield for breaker or plug-in base
- Sets of steel connectors
- Sets of spreaders
- Sets of aluminium connectors
- Sets of crimps lugs for copper cable



LV431564



LV429242



LV429518



LV432501



LV432479



LV432594

The representative products used for the Compact NS and Compact NSX 100 to 250A LCA analysis are :

- three 29450 and one LV429387 for the auxiliaries
- one LV431564, LV429242 and LV429518 for the accessories.

The representative products used for the Compact NS and Compact NSX 400 to 630A LCA analysis are :

- three 29450 and one LV429387 for the auxiliaries
- one LV432501, LV432594 and LV423479 for the accessories.

The environmental analysis was performed in conformity with ISO 14040.

Environmental impacts

The impacts of auxiliaries and accessories of the Compact NSX160 and Compact NSX400 circuit breaker range are in the table hereunder.

All the auxiliaries and accessories types are grouped in categories with the same average percentage. The impact indicators percentages are common for :

- the RMD indicator (Raw Material Depletion) ,
- the 10 other indicators of the PEP.

To evaluate the impacts of one auxiliary or accessory, you should apply these percentages to the impact of the main function which is disclosed in the PEP.

These impacts have to be added to the impacts of the main function depending on the number of auxiliaries and accessories used.

Base function	Compact NSX160 circuit breaker				
	Accessories			Auxiliaries	
Category of auxiliary or accessory	Protection	Connection		Indication contact	Voltage release
RMD	0,10%	5%	10%	5%	2%
Other impact indicators	0,50%	0,50%	0,50%	0,50%	2%

Base function	Compact NSX400 circuit breaker			
	Accessories			Auxiliaries
Category of auxiliary or accessory	Protection	Connection		
RMD	0,10%	5%	10%	1%
Other impact indicators	0,10%	0,50%	1%	1%

Life cycle assessment studies has been performed with the EIME software (Environmental Impact and Management Explorer), version 4.1, and with its database version 11.0

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