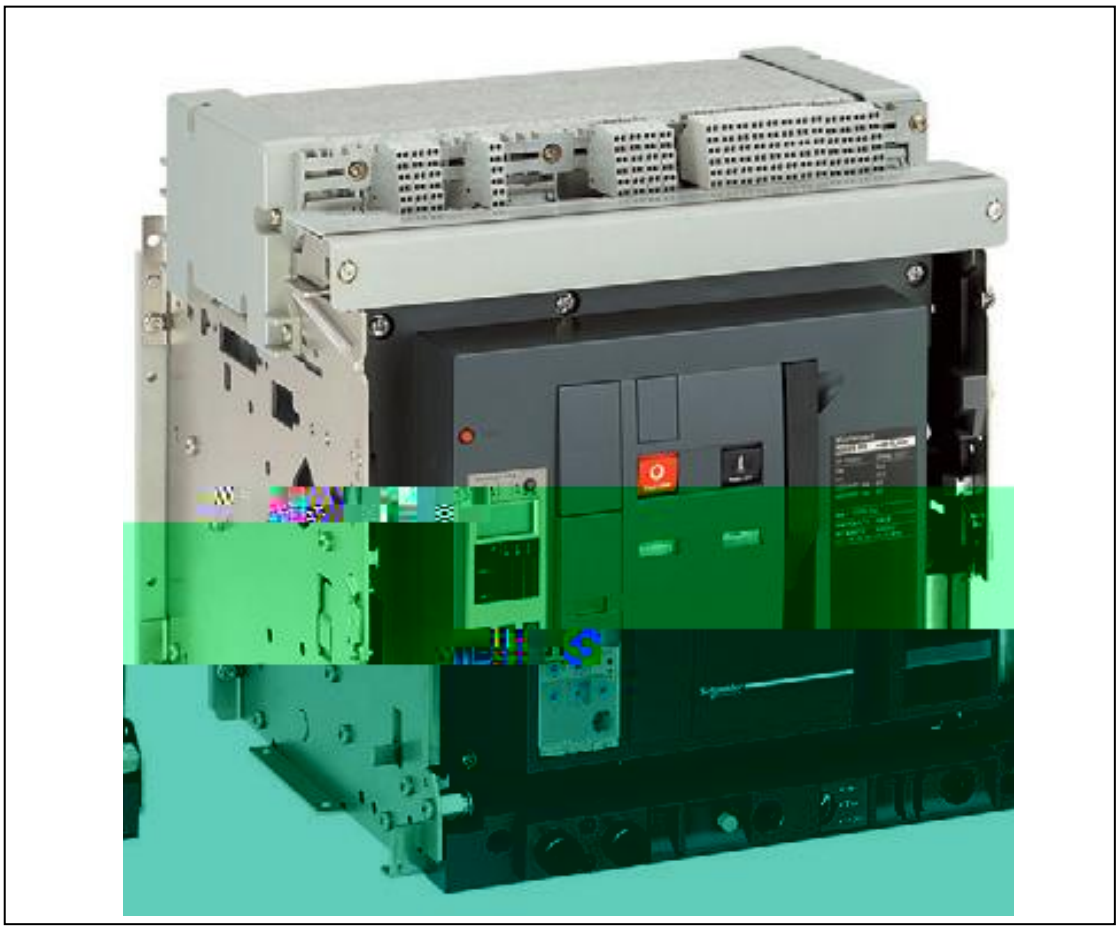
Product Environmental Profile

Masterpact NW 25 H1 three pole draw out circuit breaker with Micrologic 5.0A control unit

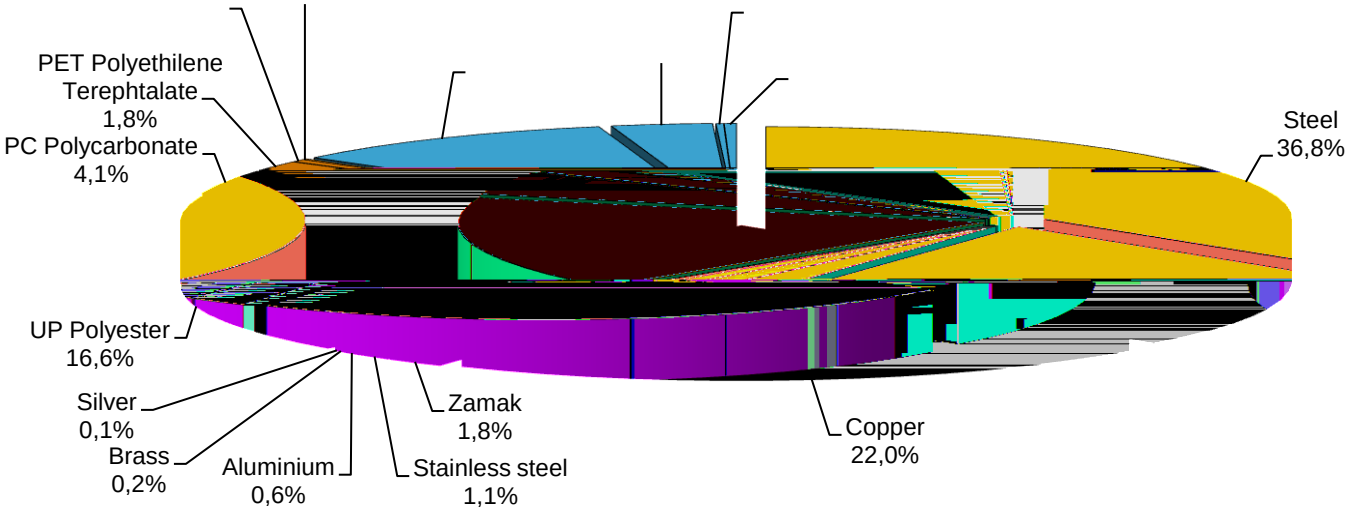


General information

Representative product	Masterpact NW 25 H1 three pole draw out circuit breaker with Micrologic 5.0A control unit
Description of the product	The Masterpact NW 25 H1 three pole draw out circuit breaker is designed to guarantee the protection of a low voltage electrical distribution system with assigned voltage up to 690VAC and rated current of 2500A. The breaker can be remotely operated using closing XF release and opening MX release. The Micrologic 5.0A control unit fitted with the circuit breaker enhances protection of electrical installation under fault conditions.
Functional unit	Protect during 20 years the installation against overloads and short-circuits in circuit with assigned voltage up to 690VAC and 2500A rated current. This protection is ensured in accordance with the following parameters: - Number of poles: 3 - Rated service breaking capacity Ics at 440VAC = 65kA (Ics=100%Icu following IEC 60947-2) - Tripping curve: long time, short time and instantanous protections

Constituent materials

Reference product mass	97Kg	including the product, its packaging and additional elements and accessories



Substance assessment

Products of this range are designed in conformity with the requirements of the RoHS directive (European Directive 2011/65/EU of 8 June 2011) and do not contain, or only contain in the authorised proportions, lead, mercury, cadmium, hexavalent chromium or flame retardants (polybrominated biphenyls - PBB, polybrominated diphenyl ethers - PBDE) as mentioned in the Directive

As the products of the range are designed in accordance with the RoHS Directive (European Directive 2002/95/EC of 27 January 2003), they can be incorporated without any restriction in an assembly or an installation subject to this Directive.

Details of ROHS and REACH substances information are available on the Schneider-Electric Green Premium website
http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page

Additional environmental information

Manufacturing	Manufactured at a Schneider Electric production site ISO14001 certified Weight and volume of the packaging optimized, based on the European Union's packaging directive
Distribution	Product distribution optimised by setting up local distribution centres
Installation	The Masterpact NW 25 H1 3P draw out circuit breaker does not need any special installation operation
Use	The end user must refer to maintenance guide of the product in order to do the appropriate maintenance operations
End of life	This product contains a battery (10g) and 4 electronic cards (90g, 46g and 2x9g) that should be separated from the stream of waste so as to optimize end-of-life treatment. The location of these components and other recommendations are given in the End of Life Instruction document which is available on the Schneider-Electric Green Premium website http://www2.schneider-electric.com/sites/corporate/en/products-services/green-premium/green-premium.page **66%**

Environmental impacts

Geographical representativeness	Passive products - continuous operation No special components needed Product dissipation is 150 W considering a 50% load rate, service uptime percentage is 30%.
Technological representativeness	
Energy model used	

	Unit	Total	Manufacturing	Distribution	Installation	Use	End of Life
	kg Sb eq	1,36E-01	1,36E-01	0*	0*	3,52E-05	0*
	kg SO_2 eq	9,63E+00	8,59E-01				