

Low voltage circuit breaker

SACE Tmax T6



SACE Tmax T6 is a highly advanced low voltage moulded case circuit-breaker with unparalleled versatility of use and able to solve all installation problems brilliantly and respond successfully to all plant engineering requirements, from standard ones to the most technologically advanced ones.

SACE Tmax T6 can be found in the three-pole and four-pole, fixed and withdrawable versions, fitted with the very latest generation electronic and thermal-magnetic trip units, with the possibility of interchangeability. SACE Tmax T6 set up a new technological standard and leave you free to think up and build installations with extraordinary performances. The present document applies to products made in Italy and manufactured in Frosinone plant. This manufacturing site is certified according to ISO 9001, IRIS, ISO 14001, OHSAS 18001 and SA 8000.

Product Conformity & Compliance

REACH (Regulation EC 1907/2006)

SACE Tmax T6 and related accessories were classified as Articles and, during normal and reasonably foreseeable conditions of use, do not intentionally release any substance or preparation.

ABB SACE continuously undertakes communications throughout its supply chain in order to collect information about suppliers' compliance with REACH regulation.

SVHC (Regulation EC 1907/2006 REACH)

ABB SACE continuously assesses its products for content of Substances of Very High Concern (SVHC), as included in the "Candidate List" by the European Chemicals Agency (ECHA).

RoHS II

SACE Tmax T6 and related accessories are within the scope of Directive 2011/65/EU (RoHS II) starting from July 2019. However, according to our best knowledge, SACE Tmax T6 and related accessories do not contain any of the restricted substances listed into RoHS and RoHS II directives.

WEEE

SACE Tmax T6 and related accessories are included in the scope of Directive 2012/19/EU, starting from August 15th 2018.

Product Safety

Certification of conformity with the product Standards is carried out in the ABB SACE tests laboratory (accredited by ACCREDIA) in respect of UNI CEI EN ISO /IEC 17025 Standard, by the Italian certification body ACAE (Association for Certification of Electrical Apparatus), member of the European LOVAG organization (Low Voltage Agreement Group) and by the Swedish certification body Intertek Semko, belonging to the international IECEE organization.

Standard:

- IEC 60947-2.

Directives:

- EC “Low Voltage Directive” (LVD) 2014/35/EC
- EC “Electromagnetic Compatibility Directive” (EMC) 2014/30/EC.

Naval Registers:

- Lloyd’s Register of Shipping, Germanischer Lloyd, Bureau Veritas, Rina, Det Norske Veritas, Russian Maritime Register of Shipping, ABS.

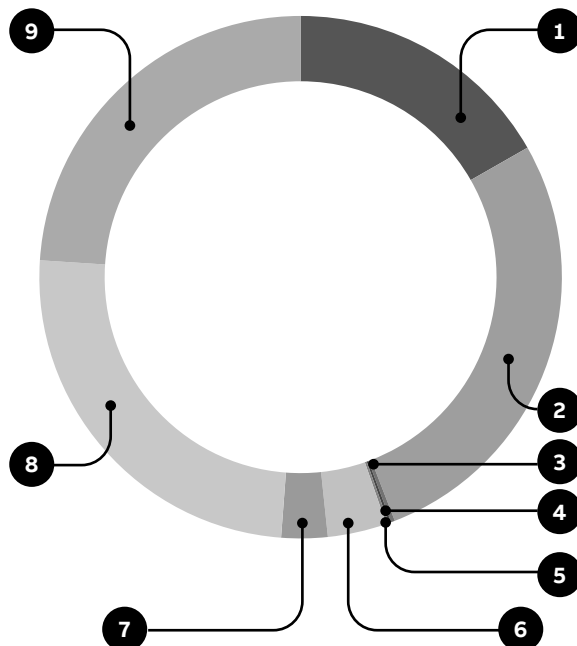
Certifications and awards



Material declaration

The charts below show the constituents of Tmax T6 3-poles. The constituent materials are distributed as follows.

The total weight of the product is 10.517 gr.



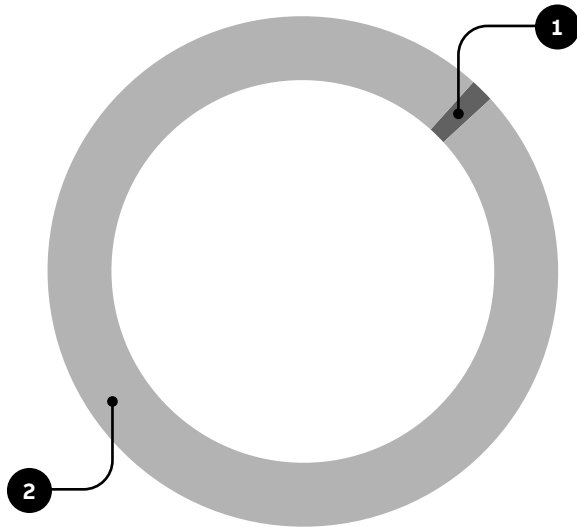
Material	Mass (g)	% wt
1 Steel	2221,2	21,1%
2 Copper and copper alloys	3632,2	34,5%
3 Other ferrous alloys	28	0,3%
4 Precious metals	25,8	0,2%
5 Other non ferrous alloys	20,1	0,2%
6 PC compounds	484	4,6%
7 PA compounds	375	3,6%
8 BMC/SMC	3287	31,3%
9 Other materials	443,3	4,2%
TOTAL	10517	100,0%

Packaging

The total weight for Tmax T6 packaging material is 1015 grams. The chart provides information for each packaging material used.

The polymer films used are marked with the proper identification code and are recyclable.

Tmax T6 packing material composition



Material	%
1 Plastic	1,5%
2 Cardbox	98,5%
TOTAL	100%

Product Use

Energy

Power losses for Tmax T6 is 32 W per pole. This value represents about 0.01% of the total power flowing through Tmax T6 breaker.

The energy consumption during the use of Tmax T6 has been estimated assuming 20 years of continual operation with a 30% load rate and 100% operation time.

Energy consumption = 1500 kWh.

End-of-life

At the end of operating life, constituent components of Tmax T6 have been optimized in order to reduce waste amount and increase recovery of the material. Metals and polymers contained into SACE Tmax T6 are characterized by high recycling rates. Most plastic parts are marked for easy sorting. The recyclability potential of the product has been evaluated using IEC / TR 62635. According to this standard, the potential recyclability ratio is > 80%.

ABB SACE
Electrification Products Division
Protection & Connection
5, Via Pescaria
I-24123, Bergamo - Italy
Phone: +39 035 395.111

www.abb.com

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. ABB AG does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of ABB AG. Copyright © 2018 ABB
All rights reserved