

The new SACE Tmax XT family of moulded-case circuit-breakers

ABB SACE is proud to present the result of a long and intense research and development project: the new SACE Tmax XT up to 250A, the new ABB SACE family of moulded-case circuit-breakers.

The new SACE Tmax XT circuit-breakers answer the various different plant needs. Circuit-breakers with trip units dedicated to the various applications are available, such as power distribution, generator protection, motor protection and protection of the oversized neutral.

The moulded-case circuit-breakers SACE Tmax XT are the ideal solution for all levels of distribution, from the main low voltage switchboard to the various sub-switchboards present in the plant. They feature high-level characteristics of specific let-through energy limitation, allowing optimal sizing of the circuits and the load side apparatus.

The SACE Tmax XT family is composed of four frames up to 250A and Icu up to 150kA@415V and 90kA@690V:

- XT1 (160A) up to 70 kA@415V
- XT2 (160A) up to 150 kA@415V
- XT3 (250A) up to 50 kA@415V
- XT4 (160 – 250A) up to 150kA@415V

In particular, XT1 and XT3 are the ideal solution for making standard installations requiring reliability and safety that only ABB SACE's great experience can offer. XT2 and XT4 are the best solution for making technologically advanced plants with top-of-market performances.

XT1 and XT3, available both in the three and four-pole fixed and plug-in versions, can be used in installations for large-scale retail trade plants, hospitals and the service industry which, above all, require great reliability. Thanks to having the same depth



of 70mm and to the 45mm cut-out, they can easily be installed side by side on a DIN rail or on a back plate without using spacers.

Thanks to the highest Icu values in the most compact dimensions on the market, XT2 and XT4, both at 415V and at 690V, find application in plants with the most extreme electrical characteristics, such as plants on board ships, heavy industry and oil rigs. Unique on the market, these two frames can be equipped with latest generation electronic trip units, allowing interchangeability and integrated communication starting from rated currents of 10A.

The first great novelty regards the simplicity of installing the accessories - the releases and auxiliary contacts will no longer need screws for their installation. With the new rapid system, for correct and rapid installation simply put a slight pressure on the slot of the circuit-breaker where the accessory is to be inserted.

Another important novelty regards the new auxiliary contacts whose signals depend on the position where they are installed inside the circuit-breaker.

The new motor operators, direct for the new XT1-XT3 and with stored energy for XT2 and XT4, require low values of power on inrush and in service and have been designed to allow the protection trip unit to be set with the motor already installed. Apart from the classical residual current releases available for XT1 and XT3, new residual current releases have been thought up for XT2-XT4, also available in the plug-in and withdrawable version.

SACE Tmax XT is this and much more.

Contact us

ABB SACE

A division of ABB S.p.A.

L.V. Breakers

Via Baioni, 35

24123 Bergamo - Italy

Tel.: +39 035 395 111

Fax: +39 035 395306-433

www.abb.com

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