SURGE ARRESTERS WITH ACTIVSENSE TECHNOLOGY

DEHN's Blitzductor XTU, with actiVsense technology, is a universal surge arrester that automatically adapts itself to the nominal voltage of the installation. Designed to protect information and automation systems, the combined lightning current and surge arrester can be used for all voltages in the 0 – 180 V dc range. Blitzductor XTU also continuously adapts its voltage protection level to the currently applied signal voltage and is ideally suited for all fluctuating signal applications. It is capable of carrying lightning currents up to 10 kA (10/350 µs).

Blitzductor XTU arresters reduce planning efforts considerably and minimise storage requirements. Even if the voltages to be used for signal transmission on various systems in a project are not known during the design and planning stage, the Blitzductor XTU surge arrester allows specifying a protective device. This feature also simplifies procurement and storage.

Blitzductor XTU arresters are also ideally suited for retrofitting existing systems with surge protection devices or replacing existing arresters. Selecting a voltage specific protection device is not an issue if Blitzductor XTU arresters are used as they are designed to self-program to the correct settings.

The pluggable arresters consist of a BXTU protection module which contains all surge protection components and a DIN rail mountable BXT base part. The arresters have terminals for two pairs of wires and earth connection is provided in the base part. An uninterrupted switch contact allows the protection modules to be removed and inserted without interrupting the system operation.

The patented LifeCheck monitoring function allows for easy testing of arresters during operation, provided that the protection module is plugged in. The LifeCheck monitoring function additionally allows the user to detect arresters pre-damaged by overload.

Real-time condition monitoring systems are available to read the state of the XTU unit and transmit this information to a desired location in real-time.