



QVRG.GuideInfo

Secondary Protectors for Communications Circuits

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[Protectors] Secondary Protectors for Communications Circuits

[See General Information for Protectors](#)

GENERAL

This category covers secondary protectors intended for use on communication circuits as defined in Article 800 of ANSI/NFPA 70, "National Electrical Code" (NEC).

These protectors are intended to suppress abnormal voltage and/or current conditions that bypass the primary protector. These devices limit currents to less than the current-carrying capacity of Listed communication wire employed in the communication loop of the protected premise. Any overvoltage protection and/or grounding connection is intended to be electrically located on the equipment side of the protector's current-limiting means.

Secondary protectors covered in this category have been investigated for use only on the equipment side of a primary protector ([QVGV](#)) and are intended to be installed only on the protected portion of a communication circuit. In those cases where a primary protector is not required, as defined in Article 800 of the NEC, the secondary protector may be installed or connected into the communication circuit without the use of a primary protector.

The current-limiting, fusing or extinguishing operation may be accomplished by a current-protection device located within the secondary protector, or the secondary protector may be used with a "sneak current protector." A sneak current protector serves to limit abnormal fault current that is generated due to contact of the telephone lines with AC power lines. The sneak current protector is a separate device or module that is intended for mounting on a Listed compatible base assembly. This current-protection system may employ a fuse, current-limiting circuitry or other similar means to limit the abnormal fault current condition.

RELATED PRODUCTS

Primary telephone protectors are covered under Primary Protectors for Communication Circuits ([QVGV](#)).

Other telephone equipment is covered under Telephone Appliances and Equipment ([WYQQ](#)).

Wire and cable intended to be permanently installed in a building in accordance with Article 800 of the NEC are covered under the appropriate wire and cable categories.

ADDITIONAL INFORMATION

For additional information, see Electrical Equipment for Use in Ordinary Locations ([AALZ](#)).

REQUIREMENTS

The basic standard used to investigate products in this category is [ANSI/UL 497A](#), "Secondary Protectors for Communications Circuits."

UL MARK

The Listing Mark of UL on the product or on the smallest unit container in which the product is packaged is the only method provided by UL to identify products manufactured under its Listing and Follow-Up Service. The Listing Mark for these products includes the UL symbol (as illustrated in the Introduction of this Directory) together with the word "LISTED," a control number, and the product name "Secondary Protector," "Secondary Telephone Protector" or "Sneak Current Protector."

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