

File E69543
Project 79ME10707

January 8, 1980

REPORT

on

COMPONENT - SUPPLEMENTARY PROTECTORS

Potter & Brumfield, AMF, Inc.
Princeton, Indiana

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DESCRIPTION

PRODUCT COVERED:

Part Nos. M, W, or X, followed by 67, 68, 69, or 70, followed by A, B, C, M, P, R, S, T, U, W, X or Y, followed by 1, 2, 3, 4, 5, 6, or 9 (one per pole), 7, 8, A, J, K, L, or M (one per unit), followed by Q, **S, T, U, or V** followed by 1, 3, 5, or 7, followed by 0, through 9 inclusive when prefixed by P, followed by 0, 2, 3, 10, 12, 13, 34 or 53 may be followed by P for pulse tolerant applications, followed by 0.02 through 50 inclusive, may be followed by V, V1, V2, V3 or M.

May or may not have additional part number as follows: Series M, W or X, followed by 67, 68, 69, or 70, followed by A, B, C, R, S, X or Y, followed by 1000 through 1999 or 1999 or 3000 through 3999 inclusive, followed by X1 through X200 inclusive, or 0.02 through 50 inclusive, may be followed by V, V1, V2, V3, or M, ELM2-1240A50.

GENERAL CHARACTER AND USE:

These devices are 1, 2, 3 or 4 pole supplementary protectors. They are provided with nonreplaceable trip units of the magnetic time delay type or with instantaneous trip.

These devices may be manufactured in two forms of construction which are different as described herein. The terms "old" and "new" are used herein to describe the details of the types of constructions and the ratings applicable thereto.

These Protectors with Part Numbers "M" have been evaluated for Ignition Protection in accordance with UL 1500, Ignition protection.

RATINGS:

Main Circuits - Maximum amperes per pole

50 A at 65 V dc maximum
50 A at 1 phase, 250 V ac maximum, 400 Hz
50 A at 1 phase, 277 V ac maximum, 50/60 Hz

Main Circuits - Maximum amperes polyphase use

20 A at 3 phase, 250 V ac maximum, 400 Hz
20 A at 3 phase, 480 Y/277 V ac maximum,
50/60 Hz

Auxiliary Switch - 10.1 A, 125/250 V ac

Alternate

Auxiliary Switch - V1 - 5 A, 125/250 V ac
V2 - 10 A, 125 V ac and/or 10.1 A, 250 V ac
V3 - 0.1 A, 125 V ac