

File E73741
Project 94NK32682

February 14, 1995

REPORT

on

SWITCHES, INDUSTRIAL CONTROL

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Winona, MN

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DESCRIPTION

PRODUCT COVERED:

Solid State Power Controller without cooling fan, Part No. DA10 followed by 02, 24 or 60; followed by CX, FX, K1, K2 or K3 (where X = any number 0 to 9); followed by 0; followed by any three numbers or letters.

RATINGS:

* These devices are single phase devices only and rated as shown below:

Input Command Signal Ratings - 24 V ac, 120 V ac or 240 V ac, 13 mA, 50/60 Hz or 32 V dc, 7 mA or linear dc current up to 20 mA.

*Output Ratings - 24 to 48 V ac, 100 to 240 V ac or 277-600 V ac, 50/60 Hz.

Models Without Cooling Fan

25.5 A - 1 pole at 25°C

Control Mode Rating - 24 V ac
 120 V ac
 240 V ac
 4-20 mA
 4.5 - 32 V dc

These devices may be used in ambients found as part of the de-rating curves in ILL. 1. These rating must be de-rated above 25°C.

NOMENCLATURE:

<u>DA</u>	<u>1</u>	<u>0</u>	<u>02</u>	<u>C0</u>	<u>0</u>	<u>0</u>	<u>00</u>
I	II	III	IV	V	VI	VII	VIII
I -	DA - Basic Model Designation						
II -	Phase						
	1 - Single phase						
III -	Cooling Options						
	0 = Standard Heatsink - natural convection.						
IV -	Output Voltage						
	02 = 24 to 48 V ac						
	*24 = 120 to 240 V ac						
	60 = 277 to 600 V ac						
V -	Control Mode						
	C0 = 4.5 to 32 V dc contactor mode						
	F0 = 4 to 20 mA variable burst mode						
	F1 = 12 to 20 mA variable burst mode						
	K1 = 24 V ac contactor mode						
	K2 = 120 V ac contactor mode						
	K3 = 240 V ac contactor mode						
VI -	Alarm Options						
	0 - No alarm available						
*VII -	User Manual Language Options						
	0 = English						
	1 = German						
	2 = Spanish						
	3 = French						
VIII -	Custom Options						
	00 - Standard Product						
	Any two letters or numbers = custom logo's and other class						
	2 options.						

ENGINEERING CONSIDERATIONS (NOT FOR FIELD REPRESENTATIVE'S USE):

General - These devices are open solid state power controllers intended for controlling electric resistance heating.

Spacings - Spacings were evaluated to UL 508 Table 34.1. PC board spacings were evaluated to UL 840.