

CONTROL POWER TRANSFORMER FUSING RECOMMENDATIONS (LVDO)

The following fusing recommendations are contained in Square D Specification Number S30050-551, page 3, dated 9-22-76.

The chart on page 2 of this PBD contains the recommended primary and secondary fuse recommended for the standard control power transformers used at Middletown.

The primary fusing is for short circuit protection only. The secondary fusing includes overload protection.

The fuses listed below are Buss Type KLM and are not U.L. listed. If a U.L. listed fuse is required the Buss Type KTK fuse should be used.

FUSE PART NUMBERS			
FUSE	PART NUMBER	FUSE	PART NUMBER
KLM-1 $\frac{1}{2}$	25419-50050	FNM-1 $\frac{1}{2}$	25419-20050
KLM-1	25419-50100	FNM-1	25419-20100
KLM-1 $\frac{1}{2}$	25419-50150	FNM-1-6/10	25419-20160
KLM-2	25419-50200	FNM-5	25419-20500
KLM-3	25419-50300	FNM-10	25419-21000
KLM-5	25419-50500	FNM-15	
KLM-8	25419-50800		
KLM-10	25419-51000		
KLM-15	25419-51500	FRN-20	25413-00330
KTK-20	25419-10201	FRN-30	25413-00350
KTK-30	25419-10301	FRN-50	25413-00390
		FNS-25	25414-00340

Fuse Holders: 25408-13102 for KTK, KLM, & FNM Fuses
25407-00100 for FRS fuses
25407-00020 for FRN fuses
25407-00040 for FRN 50 fuse

REV.	C. R.	DATE	BY	DO NOT SCALE - WORK TO DIMENSIONS									
A		10-28-77	EB	STANDARD TOLERANCE UNLESS OTHERWISE SPECIFIED	LINEAL DIM.		TWO PLACE DECIMAL $\pm .020$ THREE PLACE DECIMAL $\pm .009$						
					HOLE DIA.		FRACTIONAL, LETTER, OR NUMBERED DRILL $\pm .004$ THREE PLACE DECIMAL $\pm .002$ - .002						
					ANGLE		DIMENSIONED $\pm 1^\circ$ UNDIMENSIONED $90^\circ \pm 2^\circ$						
					SCALE	DRAWN EBZ	CHKD.	DATE 2-25-77	C. R. SWGR 7.623				
				TITLE CONTROL POWER TRANSFORMER					 SQUARE D COMPANY BARKELEW PLANT MIDDLETOWN, OHIO USA				
				USED ON FUSING RECOMMENDATIONS (LVDO)									
PRINTS TO				RAWSTOCK					PBD 40048 Pg. 1 of 2				

CONTROL CIRCUIT TRANSFORMER FUSING RECOMMENDATIONS								
CLASS	TYPE	CONTINUOUS KVA	VOLTAGE RATING	TRANSFORMER PART NUMBER	RATED CURRENT		RECOMMENDED FUSES	
					PRI	SEC	PRI	SEC
9070	EO-1	0.050	480/240-120	4090067	0.104/0.208A	0.416A	KLM- $\frac{1}{2}$ /KLM-1	FNM- $\frac{1}{2}$
9070	EO-2	0.100	480/240-120	4090001	0.208/0.416A	0.833A	KLM-1/KLM-2	FNM-1
9070	EO-3	0.150	480/240-120	4090023	0.313/0.625A	1.25A	KLM-1 $\frac{1}{2}$ /KLM-3	FNM-1-6/10
9070	EO-51	0.500	480/240-120	4090035	1.04/2.08A	4.16A	KLM-5/KLM-10	FNM-5
9070	EO-71	1.00	480/240-120	4090034	2.08/4.16A	8.33A	KLM-10/KLM-20	FNM-10
9070	EO-71	1.00	600-120	4090075	1.66A	8.33A	KLM-8	FNM-10
9070	EO-81	1.50	480/240-120		3.13/6.25A	12.5A	KLM-15/KTK-30	FNM-15
9070	EO-91	2	480/240-120		4.16/8.32A	16.7A	KTK-20/FRN-20	FRN-20
9070	EO-10	3	480/240-120		6.25/12.5A	25A	KTK-30/FRN-30	FRN-30
9070	EO-11	5	480/240-120		10.4/20.8A	42A	FRS-25/FRN-50	FRN-50

REV A 10-28-77 *588*

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