

Title: **LOW VOLTAGE MOTOR TERMINAL LUGS**

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 Supersedes: NEW
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Models Affected: 19DK, 19DM, 19DR

PURPOSE

This bulletin provides information to assist in obtaining motor terminals for the 19D line of centrifugal chillers.

BACKGROUND

It has been difficult for some contractors to obtain ring tongue compression terminals which are properly sized to fit both the 5/8 inch OD motor terminal stud and the wire size chosen by the electrical contractor.

RECOMMENDATION

The following tables list standard AMP terminals for 5/8 stud size and for wire sizes from 6 AWG through 800 MCM. These sizes go well beyond normal wire sizes used for 19DK/DM/DR centrifugal compressor motors. The maximum lead time listed assumes that there are no terminals in stock. AMP carries a very complete line of terminals for other size studs and in addition, if lead time is critical, it is possible to buy terminals without a stud hole and drill or punch the hole. Terminals suitable for use with aluminum wire are not listed since aluminum is not allowed.

These terminals can be obtained by contacting the nearest AMP representative. The name of the local representative can be obtained by calling (717)-564-0100.

AMP "SOLISTRAND" RING TONGUE TERMINALS FOR 5/8 STUD SIZE

WIRE SIZE	AMP PART NUM.	AMP CAT. PAGE*	MAXIMUM LEAD TIME WEEKS	APPROX. UNIT PRICE	MIN. QUANTITY
6 AWG	36809	A-71	3	.65	100
4 AWG	35669	A-73	3	.78	100
2 AWG	320754	A-75	5	1.17	50
1/0	320744	A-77	5	1.78	50
2/0	322224	A-79	5	1.69	50
	36926	A-79	5	1.72	50

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AMP "SOLISTRAND" RING TONGUE TERMINALS FOR 5/8 STUD SIZE (continued)

WIRE SIZE	AMP PART NUM.	AMP CAT. PAGE*	MAXIMUM LEAD TIME WEEKS	APPROX. UNIT PRICE	MIN. QUANTITY
3/0	322222	A-81	5	2.88	50
	36930	A-81	5	2.10	50
4/0	322227	A-83	5	3.97	50
	36935	A-83	5	2.16	50
250-300 MCM	323050	A-84	5	2.83	25
300-350 MCM	324081	A-84	5	4.50	25
	324105	A-84	5	3.31	25
400 MCM	324202	A-85	5	7.09	25
500-600 MCM	322270	A-85	5	5.26	25

AMP "AMPOWER" TERMINALS FOR 5/8 STUD SIZE

WIRE SIZE	AMP PART NUMBER	AMP CAT. PAGE*	MAXIMUM LEAD TIME WEEKS	APPROX. UNIT PRICE	MIN. QUANTITY
4/0	325607	A-320	8	2.55	50
250 MCM	325707	A-320	6	4.22	50
300 MCM	325807	A-321	8	4.37	25
350 MCM	325907	A-321	8	3.41	250
400 MCM	326007	A-321	8	5.75	50
	326020	A-322	8	5.67	25
500 MCM	326106	A-321	8	6.63	25
600 MCM	326206	A-321	8	8.53	50
700 MCM	326322	A-322	8	18.36	50
800 MCM	326406	A-321	8	10.80	25

* AMP CATALOG NO. 4507-1 FIFTH EDITION, 1984