



Vertical Circuit Controllers For Electric Interlocking Machines

**Electric Interlocking Machines**  
**Vertical Circuit Controllers**  
**Slide Type**

NOTE: Circuit Controllers listed below will be furnished with six pairs of contacts for one tier or thirteen pairs of contacts for two tier controllers. If less than full complement of contacts are desired, order must specify number required.

Drawing references are shown for convenience in checking shipping lists and invoices.

Fig. No.	Name	Drawing Reference
	<b>Order by plate, figure number and name</b>	
A	Circuit Controller Complete, as shown, has thirteen pairs of contacts	
A1	as above, except has six pairs of contacts . . . . .	
B	Contact Block Complete, for two tier controller Fig. A, for use in position shown . . . . .	46503-1 Gr. 7
B1	as above, except for one tier controller Fig. A1 . . . . .	46503-1
C	Contact Block Complete, for two tier controller Fig. A, for use in position shown . . . . .	46503-2
D	Bearing Complete, as shown, for circuit controller . . . . .	46535-1 Gr. 1
E	Contact Complete, for circuit controller, includes parts Figs. 1 to 8 inclusive . . . . .	46505-4
1	Link, for connecting shaft of controller to operating lever on interlocking machine . . . . .	50632-2
2	Pin, .372" x 1 5/16" lg., for fastening link Fig. 1 to thimble, includes cotter pin . . . . .	46453 036-1
3	Thimble, for connecting shaft to link Fig. 1 . . . . .	14666-1
4	Shaft, threaded 5/16"-24 x 30" lg., for controller . . . . .	46538-1
5	Nut, 5/16"-24 x 3/16" hex., for locking nut Fig. 7 in place . . . . .	6131-1
6	Contact Complete, for circuit controller . . . . .	46553-1
7	Nut 5/16"-24 x 1/8" hex., for fastening contact in place . . . . .	46548-1
8	Sleeve, for shaft . . . . .	46547
9	Screw, No. 14-24 x 1 1/4" fl. hd., for fastening support Fig. 12 to bearing . . . . .	0380-15
10	Screw, No. 10-32 x 1" rd. hd., for fastening bearing to frame of interlocking machine . . . . .	3044-1

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Fig. No.	Name	Drawing Reference
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11	Washer, for screw Fig. 10. ....	5046-1
12	Support, upper, for mounting contact posts Fig. 17. ....	46540-1
13	Block, insulation, for contact posts Fig. 17. ....	50710-1
14	Screw, No. 14-24 x 1½" rd. hd., for mounting contact posts Fig. 17 to support. ....	40114-9
15	Washer, for screw Fig. 14. ....	14959
16	Bushing, insulation, for screw Fig. 14. ....	35270
17	Contact Post Complete, as shown, has contact 5/8" wide, includes (1-20, 2-21, 2-22, 3-23, 1-24, 1-25). ....	45630-1 Gr. 1
17a	as above, except with contact 3/8" wide, Fig. 25a. ....	45630-1 Gr. 2
18	Support, lower, for mounting contact posts Fig. 17. ....	46540-2
19	Screw, No. 10-32 x 5/8" hex. hd., with washer, for mounting cap to bearing. ....	{ 13006 0622-1
20	Post, includes stud, for contact post Fig. 17. ....	46531-2 Gr. 1
21	Washer, for post Fig. 20. ....	1225-2
22	Nut, No. 14-24 x 5/16" hex., for post Fig. 20. ....	42843-1
23	Escutcheon Pin, No. 16 x 1/2" lg., for mounting spring Fig. 24 and contact Fig. 25 to post. ....	0677
24	Spring, for contact Fig. 25. ....	46533
25	Contact Spring, 5/8" wide, for controller. ....	46532-1
25a	as above, except 3/8" wide. ....	46532-2
26	Insulation, for use between bearings and frame of interlocking machine. ....	37412-2
27	Insulation, for screw Fig. 10. ....	47495-4
28	Screw, No. 14-24 x 7/8" rd. hd., for fastening support to intermediate bearing, for use only when top section of controller is used. ....	0658