



AMERICAN ELECTRIC EQUIPMENT, INC.

P.O. BOX 710 BECKLEY, WV 25801

PHONE: 304-255-7438

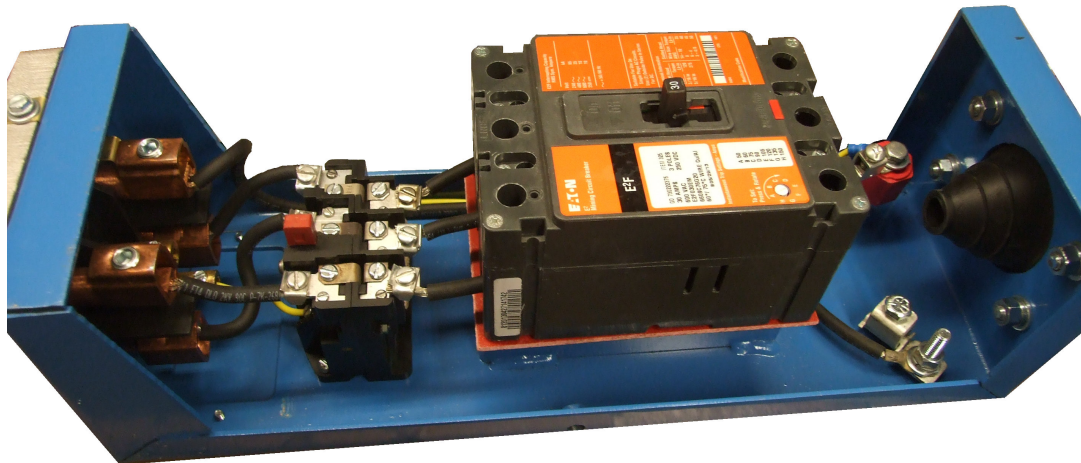
FAX: 304-255-7448

B-12174

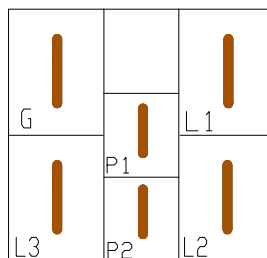
Combination Breaker/Overload plug assembly

Document A-13717

November 8, 2013



PIN ARRANGEMENT
Custom AMP Rating
600 VOLT



Breaker/Overload Combination Plug

This is a style of plug that contains a circuit breaker and an optional overload. Using this specially designed plug you can assure that smaller loads like pumps, battery chargers, and small lighting transformer circuits will always have the proper protection because, the breaker is permanently attached to the incoming cable. AEEI's low voltage lever action connectors are rugged, trouble free devices providing quick, confident connect/disconnect for portable mining equipment or self-propelled machinery. They are rated at 600 volts AC with breakers ranging from 3 to 150 amps and custom designed per customer's needs. All standard E²F instantaneous trip ranges are available.

If needed an overload can be added to gain thermal protection in the range of 0.25 to 133 amps. This overload will break the pilot wire thus tripping the circuit that this combination plug is plugged into.

Features

- ✓ Cable sizes range from #14 to 1/0 AWG
- ✓ Single-piece, high grade insulator
- ✓ Aluminum plug housing with steel removable breaker/overload cover
- ✓ Self-contained cable strain relief and cable grommet
- ✓ Fits both flat and round trailing cables
- ✓ All live exposed parts are completely enclosed by the metal housing
- ✓ Easy to remove cover for making cable terminations
- ✓ Minimum effort required connecting or disconnecting electrical connections.
- ✓ The ground blade is always the last to break, first to make
- ✓ Ground check circuits make last, break first to insure phase connections are de-energized when connector opens
- ✓ Self-wiping contacts insure good electrical connections after each operation
- ✓ Interchangeable with other industry standard figure 67 plugs
- ✓ Removable ground strap for ground pin isolation

Available Repair Kit

Part Number	Qty.	Description	Drawing Number
		Top Latch Kit For 67 Plug	
		Parts Included In Kit	
064-1-KIT	1	TOP LATCH	A-11366
	1	TOP LATCH SPACER	A-11365
	4	3/16" x 1/2" HEX HEAD SLOTTED MACH. SCREW	A-2069
	4	3/16" LOCK WASHER	A-2071

Available Repair Parts List

Bill Of Material For Figure 67 C Plug With Breaker and Overload Drawing Number D-13719					
Item	Quantity	Part Number	Description	Drawing Number	Price
1	1	10942-1	TOP PILOT BLADE ASSY.	A-10942	
2	1	10942	BOTTOM PILOT BLADE ASSY.	A-10942	
3	1	10941	L1 POWER BLADE ASSY.	A-10941	
4	3	10941-1	L2 - L3 POWER BLADE ASSY. GROUND	A-10941	
5	4	2064-1	5/8" ROTOR CLIP	A-2064	
6	2	2064-2	1/2" ROTOR CLIP	A-2064	
7	4	102-2	POWER AND GROUND TERMINAL	A-102	
8	4	2694	7/16" x 3/4" NF SET SCREW	A-2694	
9	1	2069-2	3/16" x 1/4" HEX HEAD SLOTTED MACH. SCREW	A-2069-2	
10	4	2069-3	3/16" x 1/2" HEX HEAD SLOTTED MACH. SCREW	A-2069	
11	1	2067	3/16" FLATWASHER	A-2067	
12	5	2071	3/16" LOCK WASHER	A-2071	
13	4	12048	5/16" x 1" SOCKET HEAD CAP SCREW	A-12048	
14	12	2071-2	5/16" LOCK WASHER	A-2071	
15	2	2084-8	3/8" x 2 1/2" HEX HEAD CAP SCREW	A-2084	
16	2	2067-3	3/8" FLAT WASHER	A-2067	
17	2	2071-3	3/8" LOCK WASHER	A-2071	
18	2	2086	3/8" HEX NUT	A-2086	
19	1	063	WARNING NAME TAG	A-063	
20	2	2072	1/8" x 1/4" NO.4 DRIVE SCREW	A-2072	
21	2	2257	1/4-20 x 1/2" SLOTTED HEAD MACH. SCREW	A-2257	
22	3	2081-5	1/4" x 3/4" NC CAP. SCREW HEX HEAD	A-2081	
23	3	2067-1	1/4" FLAT WASHER	A-2071	
24	3	2071-1	1/4" LOCK WASHER	A-2067	
25	1	11366	TOP LATCH	A-11366	
26	1	11365	TOP LATCH SPACER	A-11365	
27	1	12049-1	GROUND STRAP	A-12049	
28	1	714	IDENTIFICATION STICKER	A-714	
29	1	1672	GROMMET	A-1672	
30	1	014-1	STRAIN CLAMP HALF	A-014	
31	1	013-1	NUT STRAIN CLAMP	C-013	
32	1	001-1	INSULATOR	D-001-1	
33	1	11068	BASE	D-11068	
34	1	12173F	PLUG FRAME	D-12173	
35	1	12173C	PLUG COVER	D-12173	
36	4	2068-4	5/16" X 1-1/2" HEX HEAD CAP SCREW	A-2068	
37	8	11470	5/16" NUT	A-11470	
38	1	1284	1" INSULATOR WITH 1/4" THREADS	A-1284	
39	1	307-2	KPA4C LUG	A-307	
40	1	307-3	KPA25 LUG	A-307	
41	1		BREAKER (custom sized per job)		
42	1		OVERLOAD (custom sized per job)		
42	3		OVERLOAD HEATERS (custom sized per job)		

