

ELECTRICAL COMPONENTS

QUICK LOCATOR GUIDE

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Fuses



NLN Series

■ NLN Series: 9/16" Diameter x 2" L.
Packaged 10 Per Carton.

■ 1 - 30 Amps = 2" L ■ 40 Amps = 3" L



313 Series

■ 313 Series: 1/4" Dia. x 1-1/4" L.
Packaged 5 Per Carton.

One Time Fuses

S.E.E.S. #	O.E.M. #	Amperage	Voltage
F-30	NLN 1, OTN 1, NON 1	1 Amps	250 VAC
F-31	NLN 2, OTN 2, NON 2	2 Amps	250 VAC
F-33	NLN 3, OTN 3, NON 3	3 Amps	250 VAC
F-34	NLN 4, OTN 4, NON 4	4 Amps	250 VAC
F-35	NLN 5, OTN 5, NON 5	5 Amps	250 VAC
F-36	NLN 6, OTN 6, NON 6	6 Amps	250 VAC
F-37	NLN 7, OTN 7, NON 7	7 Amps	250 VAC
F-37A	NLN 8, OTN 8, NON 8	8 Amps	250 VAC
F-38	NLN 10, OTN 10, NON 10	10 Amps	250 VAC
F-39	NLN 12, OTN 12, NON 12	12 Amps	250 VAC
F-40	NLN 15, OTN 15, NON 15	15 Amps	250 VAC
F-41	NLN 20, OTN 20, NON 20	20 Amps	250 VAC
F-42	NLN 30, OTN 30, NON 30	30 Amps	250 VAC
<hr/>			
F-43	NLN 40, OTN 40, NON 40	40 Amps	250VAC



312 Series

■ 312 Series: 1/4" Dia. x 1-1/4" L.
Packaged 5 Per Carton.

Glass Fuses

S.E.E.S. #	O.E.M. #	Amperage	Voltage
F-15	312.125, GGC 1/8	1/8 Amps	250 VAC
F-16	312.250, GGC 1/4	1/4 Amps	250 VAC
F-17	312.500, GGC 1/2	1/2 Amps	250 VAC
F-17A	312.750, GGC 3/4	3/4 Amps	250 VAC
F-18	312001, GGC 1	1 Amps	250 VAC
F-19	312002, GGC 2	2 Amps	250 VAC
F-20	312003, GGC 3	3 Amps	250 VAC
F-21	312004, GGC 4	4 Amps	250 VAC
F-22	312005, GGC 5	5 Amps	250 VAC
F-23	312006, GGC 6	6 Amps	250 VAC
F-24	312007, GGC 7	7 Amps	250 VAC
F-25	312008, GGC 8	8 Amps	250 VAC
F-26	312010, GGC10	10 Amps	250 VAC
F-27	F3.15AL250VP	3.15 Amps	250 VAC

Slo-Blo Glass Fuses

S.E.E.S. #	O.E.M. #	Amperage	Voltage
F-1SB	313.010, MDL 1/100	1/100 Amps	250 VAC
F-2SB	313.031, MDL 1/32	1/32 Amps	250 VAC
F-4SB	313.062, MDL 1/16	1/16 Amps	250 VAC
F-5SB	313.100, MDL 1/10	1/10 Amps	250 VAC
F-6SB	313.125, MDL 1/8	1/8 Amps	250 VAC
F-7SB	313.150, MDL 15/100	15/100 Amps	250 VAC
F-8SB	313.175, MDL 175/100	175/1000 Amps	250 VAC
F-9SB	313.187, MDL 3/16	3/16 Amps	250 VAC
F-10SB	313.200, MDL 2/10	2/10 Amps	250 VAC
F-11SB	313.250, MDL 1/4	1/4 Amps	250 VAC
F-12SB	313.300, MDL 3/10	3/10 Amps	250 VAC
F-13SB	313.375, MDL 3/8	3/8 Amps	250 VAC
F-14SB	313.400, MDL 4/10	4/10 Amps	250 VAC
F-15SB	313.500, MDL 1/2	1/2 Amps	250 VAC
F-16SB	313.600, MDL 6/10	6/10 Amps	250 VAC
F-17SB	313.700, MDL 7/10	7/10 Amps	250 VAC
F-18SB	313.750, MDL 3/4	3/4 Amps	250 VAC
F-19SB	313.800, MDL 8/10	8/10 Amp	250 VAC
F-20SB	313.001, MDL 1	1 Amps	250 VAC
F-21SB	3131.25, MDX/MDL 1-1/4	1-1/4 Amps	250 VAC
F-22SB	31301.5, MDX/MDL 1-1/2	1-1/2 Amps	250 VAC
F-23SB	31301.6, MDX/MDL 1-6/10	1-6/10 Amps	250 VAC
F-24SB	31301.8, MDX/MDL 1-8/10	1-8/10 Amps	250 VAC
F-25SB	31300.2, MDX/MDL 2	2 Amps	250 VAC
F-26SB	3132.25, MDX/MDL 2-1/4	2 -1/4 Amps	250 VAC
F-27SB	31302.5, MDX/MDL 2-1/2	2 -1/2 Amps	250 VAC
F-28SB	31302.8, MDX/MDL 2-8/10	2-8/10 Amps	250 VAC
F-29SB	31300.3, MDX/MDL 3	3 Amps	250 VAC
F-30SB	31303.2, MDX/MDL 3-2/10	3-2/10 Amps	250 VAC
F-31SB	31300.4, MDX/MDL 4	4 Amps	250 VAC
F-32SB	31300.5, MDX/MDL 5	5 Amps	250 VAC
F-33SB	3136.25, MDX/MDL 6-1/4	6-1/4 Amps	250 VAC
F-34SB	31300.7, MDX/MDL 7	7 Amps	250 VAC
F-35SB	31300.8, MDL 8	8 Amps	32 VAC
F-36SB	313010, MDL 10	10 Amps	32 VAC
F-37SB	313012, MDL 12	12 Amps	32 VAC
F-38SB	313.015, MDL 15	15 Amps	32 VAC
F-39SB	313020, MDL 20	20 Amps	32 VAC
F-40SB	313.025, MDL 25	25 Amps	32 VAC
F-41SB	313.030, MDL 30	30 Amps	32 VAC

Fuses

Slo-Blo Fuses

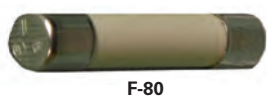
TIME DELAY, CURRENT LIMITING

S.E.E.S. #	O.E.M. #	Amperage	Voltage
F-58B	FLN-R1.6, FRN-R1.6, TR-R1.6	1-6/10 Amps	250 VAC
F-58A	FLN-R3.2, FRN-R3.2, TR-R3.2	3-2/10 Amps	250 VAC
F-58D	FLN-R3.5, FRN-R3.5, TR-R3.5	3-1/2 Amps	250 VAC
F-58C	FLN-R4, FRN-R4, TR-R4	4 Amps	250 VAC
F-58	FLN-R6, FRN-R6, TR-R6	6 Amps	250 VAC
F-58E	FLN-R3, FRN-R3, TR-R3	3 Amps	250 VAC
F-58F	X52BS7H98	1.125 Amps	600 VAC
F-59	FLN-R10, FRN-R10, TR-R10	10 Amps	250 VAC
F-59A	FLN-R15, FRN-R15, TR-R15	15 Amps	250 VAC
F-59B	FLN-R20, FRN-R20, TR-R20	20 Amps	250 VAC
F-60	FLN-R30, FRN-R30, TR-R30	30 Amps	250 VAC
F-62	FLN-R50, FRN-R50, TR-R50	50 Amps	250 VAC
F-63	FLN-R60, FRN-R60, TR-R60	60 Amps	250 VAC
F-64	FLN-R70, FRN-R70, TR-R70	70 Amps	250 VAC
F-65	FLN-R80, FRN-R80, TR-R80	80 Amps	250 VAC
F-66	FLN-R90, FRN-R90, TR-R90	90 Amps	250 VAC
F-67	FLN-R100, FRN-R100, TR-R100	100 Amps	250 VAC
F-68	FLN-R125, FRN-R125, TR-R125	125 Amps	250 VAC
F-78A	FLS-R3, FRS-R3, TR-53	3 Amps	600 VAC
F-70	FLS-R50, FRS-R50, TR-S50	50 Amps	600 VAC
F-71	FLS-R60, FRS-R60, TR-S60	60 Amps	600 VAC
F-72	FLS-R70, FRS-R70, TR-S70	70 Amps	600 VAC
F-73	FLS-R80, FRS-R80, TR-S80	80 Amps	600 VAC
F-74	FLS-R90, FRS-R90, TR-S90	90 Amps	600 VAC
F-75	FLS-R100, FRS-R100, TR-S100	100 Amps	600 VAC
F-76	FLS-R125, FRS-R125, TR-S125	125 Amps	600 VAC
F-77	FLS-R150, FRS-R150, TR-S150	150 Amps	600 VAC
F-78	FLS-R175, FRS-R175, TR-S175	175 Amps	600 VAC



Electronic Fuses

S.E.E.S. #	O.E.M. #	Amperage	Voltage
F-80	314.50, ABC 1/2	1/2 Amps	250 VAC
F-80A	314.25, ABC 1/4	1/4 Amps	250 VAC
F-81	314001, ABC 1	1 Amps	250 VAC
F-82	314002, ABC 2	2 Amps	250 VAC
F-83	314003, ABC 3	3 Amps	250 VAC
F-84	314004, ABC 4	4 Amps	250 VAC
F-85	314005, ABC 5	5 Amps	250 VAC
F-86	314006, ABC 6	6 Amps	250 VAC
F-87	314007, ABC 7	7 Amps	250 VAC
F-88	314008, ABC 8	8 Amps	250 VAC
F-90	314010, ABC 10	10 Amps	250 VAC
F-91	314012, ABC 12	12 Amps	250 VAC
F-92	314015, ABC 15	15 Amps	250 VAC
F-93	314020, ABC 20	20 Amps	250 VAC
F-94	314025, ABC 25	25 Amps	250 VAC
F-95	314030, ABC 30	30 Amps	250 VAC
F-96	F2AH250VAC	2 Amps	250 VAC



Fast Acting

S.E.E.S. #	O.E.M. #	Amperage	Voltage
F-100	0217004.HXP	4 Amps	250 VAC
F-101	0217002.HXP	2 Amps	250 VAC
F-102	021702.5HXP	2.5 Amps	250 VAC
F-103	021706.3HXP	6.3 Amps	250 VAC
F-104	0217.500HXP	.5 Amps	250 VAC
F-105	CY10X38G6	6 Amps	500 VAC
F-106	CY10X38G10	10 Amps	500 VAC
F-107	GDA-2A	2 Amps	250 VAC



Fuses



F-50



F-54

■ NLS Series: 13/16" Dia. x 5" L.
Packaged 10 Per Carton.



PICO SERIES

■ Sold 5 / pkg.



F-78B



F-79



F-79B



F-79C



F-79A



F-LQ002



F-LQ03



F-LQ015



FM-100

One Time Fuses

S.E.E.S. #	Description	Amperage	Voltage
F-50	NLS 1, OTS 1, NOS 1	1 Amp	600 VAC
F-51	NLS 3, OTS 3, NOS 3	3 Amps	600 VAC
F-52	NLS 5, OTS 5, NOS 5	5 Amps	600 VAC
F-53	NLS 6, OTS 6, NOS 6	6 Amps	600 VAC
F-54	NLS 10, OTS 10, NOS 10	10 Amps	600 VAC
F-55	NLS 15, OTS 15, NOS 15	15 Amps	600 VAC
F-56	NLS 20, OTS 20, NOS 20	20 Amps	600 VAC
F-57	NLS 30, OTS 30, NOS 30	30 Amps	600 VAC

Pico Fuses

S.E.E.S.#	O.E.M. #	Amperage	Voltage
F-001	251.125	.125 Amps	250 VAC
F-002	251.250	.250 Amps	250 VAC
F-003	251.500	.500 Amps	250 VAC
F-004	251.001	1 Amps	250 VAC
F-005	251.002	2 Amps	250 VAC
F-006	251.004	4 Amps	250 VAC
F-007	251.005	5 Amps	250 VAC



F-400



F-401

Semiconductor

S.E.E.S.#	O.E.M. #	Description
F-78B		Fuse, 30 Amps, 1000VAC
F-79	L50S150	Fuse, 150A 500V, 1-7/32" x 3-5/8" L
F-79A	9816331	Fuse, 150 AMP 250V-MX
F-79B	9720650	Fuse, Semiconductor 100A /700V Sold Each
F-79C	9717080	Fuse, 40A 550V Sold Each
F-400	AAA21255J122	Fuse, 400A, 700V
F-401	AAA21255J103	Fuse, 300A, 700V

Slo-Blo Midget Fuses

S.E.E.S. #	O.E.M. #	Description	Amperage	Voltage
F-LQ001	FLQ001	Fuse, 13/32 x 1-1/2"	1 Amps	500 VAC
F-LQ1.5	FLQ001.5	Fuse, 13/32 x 1-1/2"	1-1/2 Amps	500 VAC
F-LQ002	FLQ002	Fuse, 13/32 x 1-1/2"	2 Amp	500 VAC
F-LQ003	FLQ003	Fuse, 13/32 x 1-1/2"	3 Amps	500 VAC
F-LQ004	FLQ004	Fuse, 13/32 x 1-1/2"	4 Amps	500 VAC
F-LQ008	FLQ008	Fuse, 13/32 x 1-1/2"	8 Amps	500 VAC
F-LQ010	FLQ010	Fuse, 13/32 x 1-1/2"	10 Amps	500 VAC
F-LQ12	FLQ012	Fuse, 13/32 x 1-1/2"	12 Amps	500 VAC
F-LQ015	FLQ015	Fuse, 13/32 x 1-1/2"	15 Amps	500 VAC
F-LQ020	FLQ020	Fuse, 13/32 x 1-1/2"	20 Amps	500 VAC

S.E.E.S. #	Description
FM-100	Fuse Puller Specialty Tool for easy fuse removal and replacement

3M Products

S.E.E.S. # Description

- 3M-1** Terminal Crimping Tool, wire stripper and wire or bolt cutter. Made of .125" heat-treated carbon steel with cushioned vinyl handles. For insulated and non-insulated wire 22-10.
- 3M-2** Terminal Crimping Tool, (as above) for wire 26-6



3M-1



3M-20



3M-3 thru 3M-10



3M-11 thru 3M-14



3M-15 thru 3M-16



3M-22



3M-23



3M-24, 3M-25



3M-29 thru 3M-31



3M-26 thru 3M-28



3M-32, 3M-33



3M-34 thru 3M-37



3M-48



3M-49



3M-51



3M-50

Terminals

S.E.E.S. # Description

- 3M-3** Wire Range: 22-18 Stud #6
- 3M-4** Wire Range: 22-18 Stud #8
- 3M-5** Wire Range: 22-18 Stud #10
- 3M-6** Wire Range: 16-14 Stud #6
- 3M-7** Wire Range: 16-14 Stud #8
- 3M-8** Wire Range: 16-14 Stud #10
- 3M-9** Wire Range: 26-24 Stud #4
- 3M-10** Wire Range: 26-24 Stud #6
- 3M-11** Wire Range: 22-18 Stud #6
- 3M-12** Wire Range: 22-18 Stud #10
- 3M-13** Wire Range: 16-14 Stud #6

S.E.E.S. # Description

- 3M-14** Wire Range: 16-14 Stud #10
- 3M-15** Female Quick Slide 22-18
- 3M-16** Female Quick Slide 16-14
- 3M-20** Female Quick Slide 16-14
- 3M-22** Male Quick Slide 16-14
- 3M-23** Male Quick Slide 16-14

Connectors

S.E.E.S. # Description

- 3M-24** Wire Range 22-18
- 3M-25** Wire Range 16-14
- 3M-26** Female Self-Strip 22-18
- 3M-27** Female Self-Strip 18-14
- 3M-28** Female Self-Strip
- 3M-29** Pigtail Self-Strip Red
- 3M-30** Self-Stripping Red 22-16
- 3M-31** Self-Stripping Blue 14-18
- 3M-32** Yellow, Spring Connect, 12-22
- 3M-33** Red, Spring Connect, 8-16

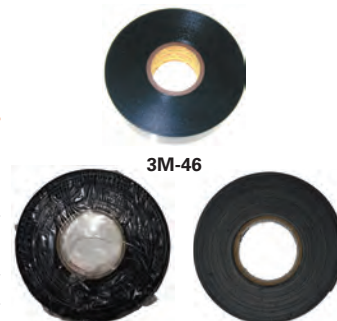
S.E.E.S. # Description

- 3M-33** Red, Spring Connect, 8-16
- 3M-34** Yellow, Spring Connect, 10-22
- 3M-35** Red, Spring Connect, 10-18
- 3M-36** Grey, Spring Connect, 8-14
- 3M-37** Blue, Spring Connect, 6-12
- 3M-48** Female Faston Connector, .187
- 3M-49** Butt Splice Connector
- 3M-50** Butt Splice Connector, 14-22
- 3M-51** Female Faston Connector, .187
- 3M-52** Female Faston Connector, .250

Electrical Tape

S.E.E.S. # Description

- 3M-46** Super 33+ Scotch Brand Premium 7 mm flame retardant, weather resistant tape. Resists temperature and moisture for splicing. Canned Rolls 3/4" x 66 ft
- 3M-47** Economy-grade, 7 mm vinyl plastic electrical tape. UL listed. Standard Rolls 3/4" x 66 ft
- 3M-TAPE** Electrical Tape, Black Cloth 60'
- 3M-TAPE-R** Electrical Tape, Black Rubber 22'



3M-46

3M-TAPE

3M-TAPE-R

3M-38 thru 3M-42



Marking Tape

S.E.E.S. # Description

- 3M-43** Scotchcode Wire Marker Tape Dispenser filled w/ numeral series 0-9
- 3M-43A** Tape Dispenser Refill, numeral series 0-9, 10 rolls per box
- 3M-44** Scotchcode Wire Marker Tape Dispenser filled with colors
- 3M-44A** Tape Refill, assorted colors for dispenser 3M-44
- 3M-45** Wire Marker Book, 45 ea 0-9; 15 ea L1, L2, L3, T1, T2, T3, (0-9). 50 / Box

Cable Ties

S.E.E.S. # Description

- 3M-38** 3-3/4" flexible nylon 100/bag
- 3M-39** 5-7/8" flexible nylon 100/bag
- 3M-40** 7-15/16" flexible nylon 100/bag
- 3M-41** 12-1/16" flexible nylon 100/bag
- 3M-42** 8-5/16" flexible nylon 100/bag



3M-43, 3M-44



Terminals

Wire Terminals

S.E.E.S. #	Description
WT-BC-16-14	Butt Connector 16-14 AWG Blue Wire Terminal
WT-BC-12-10	Butt Connector 12-10 AWG Yellow Wire Terminal
WT-BC-22-18	Butt Connector 22-18 AWG Red Wire Terminal
WT-FF-16-14	Female Faston 16-14 AWG Blue Wire Terminal
WT-FF-22-18	Female Faston 22-18 AWG Red Wire Terminal
WT-WN-18-12	Wire Nut 18-12 AWG Yellow Wire Terminal, Pack of 100
WT-WN-22-12	Wire Nut 12-10 AWG Yellow Wire Terminal
WT-WN-22-14	Wire Nut 12-14 AWG Blue Wire Terminal, Pack of 100
WT-SS-22-16	Pigtail Self Strip 22-16 AWG R Wire Terminal
WT-SS-18-14	Pigtail Self Strip 18-14 AWG B Wire Terminal
WT-RT-22-18-8	Ring Terminal #8 Stud 22-18 AWG Red, Wire Terminal
WT-RT-22-18-6	Ring Terminal #6 Stud 22-18 AWG Red, Wire Terminal
WT-RT-16-14-8	Ring Terminal #8 Stud 14-16 AWG Blue, Wire Terminal
WT-RT-16-14-6	Ring Terminal #6 Stud 14-16 AWG Blue, Wire Terminal
WT-RT-16-14-10	Ring Terminal #10 Stud 14-16
WT-MF-16-14-I	Male Faston 16-14 AWG Blue Wire Terminal
WT-MF-16-14	Male Faston 16-14 AWG Blue Wire Terminal
WT-KIT-180	Kit 180pc Assortment 22-10 AWG 18 Types, Wire Terminal
WT-FT-22-18-6	Fork Terminal #6 Stud 22-18 AWG Red, Wire Terminal
WT-FT-16-14-6	Fork Terminal #6 Stud 16-14 AWG Blue, Wire Terminal
WT-FT-16-14-10	Fork Terminal #10 Stud 16-14 AWG Blue, Wire Terminal
WT-FFSS-22-18	Female Faston Self Strip 22-18 AWG Red, Wire Terminal
WT-FFSS-18-14	Female Faston Self Strip 22-18 AWG Red, Wire Terminal
WT-FFSS-12-10	Female Faston Self Strip 12-10 AWG Yellow, Wire Terminal
WT-FF-22-18-RI	Female Faston 22-18 AWG Red .187, Wire Terminal
WT-FF-22-18-I	Female Faston 22-18 AWG Red .187, Wire Terminal
WT-MF-22-16	Male Faston 22-16 AWG Red Wire Terminal



WT-MF-16-14



WT-FT-16-14-6



WT-FT-16-14-10



WT-FF-22-18-I

Zip Ties

Zip Ties

S.E.E.S #	Description
ZIP-TIE-004	Cable tie, 4" Pack of 100
ZIP-TIE-006	Cable tie, 6" Pack of 100
ZIP-TIE-008	Cable tie, 8" Pack of 100
ZIP-TIE-010	Cable tie, 10" Pack of 100
ZIP-TIE-012	Cable tie, 12" Pack of 100
ZIP-TIE-014	Cable tie, 14" Pack of 100
ZIP-TIE-015	Cable tie, 15" Pack of 100
ZIP-TIE-020	Cable tie, 20" Pack of 100
ZIP-TIE-020-Y	Cable tie, 20" Safety Yellow Pack of 100
ZIP-TIE-047	Cable tie, 47" Black Pack of 100
ZIP-TIE-047-W	Cable tie, 47" White Pack of 100



ZIP-TIE-004



ZIP-TIE-006



ZIP-TIE-012



ZIP-TIE-014



ZIP-TIE-015



ZIP-TIE-020



ZIP-TIE-020-Y



Batteries



Sealed and maintenance free, these batteries offer an excellent service life of 4 - 5 years, and a shelf life of over 1 year. Protective covering made of a non-conductive polystyrene is resistant to shock, vibration, chemicals and heat.



MIS-194



MIS-194-AB



MIS-194AA



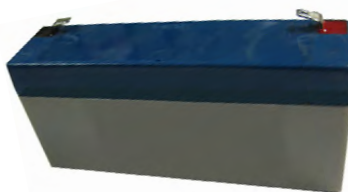
MIS-194AB



MIS-194AC



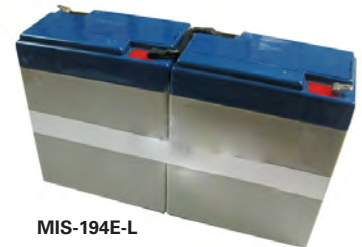
MIS-194B



MIS-194C



MIS-194D



MIS-194E-L



MIS-194E-S



MIS-194F



MIS-194G



MIS-194I

S.E.E.S. #	O.E.M. #	Capacity Voltage	Amp Hours	Dimensions
MIS-194	2005, PS 1/2 D CELL/4	4.8V	2.2AH	5-3/4" L x 1-1/4" diameter, 5 D cells "Dynamite Stick"
MIS-194-AB	PS1229, A835BT	12V	2.9A	7" L x 1-1/2" W x 2-1/4" H
MIS-194AA	BR3032	3V	500mAH	1.181" diameter x .126" thick
MIS-194AB	SR44, 357, 1154	1.5V	180mAH	1.181" diameter
MIS-194AC		6V	700mAH	For Draka Seismic Sensor
MIS-194B	9880719, AAA718E7, A911X3	6V	7AH	5.95" L x 1.34" W x 3.7" H
MIS-194C	PS630	6V	3AH	5.28" L x 1.34" W x 2.35" H
MIS-194D	PS-12100-F2, 718AAC1, AAA718EI	12V	10AH	6" L x 4" W x 3.7" H
MIS-194E-L	PS1282L	12V	8AH	7.72" L x 2.2" W x 4.65" H
MIS-194E-S	PS-1282S	12V	8AH	4.4" L x 3.86" W x 4.65" H
MIS-194F	PS682F, EP680 AAA718E10	6V	8AH	3.86" L x 2.2" W x 4.65" H
MIS-194G	PS-6120, EP-695, PS695	6V	12AH	4.25" L x 2.75" W x 5.51" H
MIS-194I	A19390-2, BA70001N, GL-1200E, BAT-0001N	6V	4.0AH	3-3/4" L x 2-1/2" H, 5 D cells stacked 2 on 3 (for GAL)
MIS-194I-RES	BAT-0002N	12V		Rescuator-Model 5, hardware included 8.61" L x 5.29" W x 8.79" H

Call S.E.E.S. for all of your emergency light replacement batteries.

Batteries

S.E.E.S. #	O.E.M. #	Capacity Voltage	Amp Hours	Dimensions
MIS-194J	PS6100-F1, A911X3	6V	10AH	6" L x 2" W x 3.75" H
MIS-194K	9719891, CR2430	3V		1" diameter, Lithium
MIS-194M	PS-121000U, AAA718E1, AAA718G4	12VDC	100AH	12" x 6.6" x 8.15"
MIS-194N	116AM1, CR2032, XBAT005	3V		1" diameter, Lithium
MIS-194P	PS1230	12V	3AH	5.28" L x 2.64" W x 2.36" H
MIS-194-PH-BATT		8.4V	600mAH	Battery, Replacement for ET901 Series Phones
MIS-194Q	EP640	6V	4.6A	2.67" L x 1.87" W x 4.25" H
MIS-194R	AAA718E6, PS-6100F2	6V	12A	5.95" L x 2" x 3.70"
MIS-194S	AAA718E7, PS-670	6V	7A	5.95" L x 1.34" W x 3.70" H
MIS-194T	AAA718E3, PS-1250, 335802-01	12V	5AH	3.54" L x 2.76" W x 3.98" H
MIS-194V	GA313462001	12V	14AH	8.5" L x 2.79" W x 5.51" H
MIS-194W	PS1250F2	12V	5AH	Emerg Lowering for R&R unit 2 Req
MIS-194X	PS1270, AAA718E5, AAA718E14	12V	7A	5.95" L x 2.76" W x 3.70" H
MIS-194Y	PS-6200	6V	20A	6.18" L x 3.27" W x 4.92" H
MIS-914-BAT	PS-1220	12V	2.5AH	7" L x 1.38" W x 2.56" H
MIS-CD7	EY9106B	12V	2AH	
MIS-CD8	EY9021B	2.4V	2AH	
MIS-CD9	EY9080B	9.6V	1.2AH	
NP24-12B	PS12260NB	12V	26AH	EPCO Battery for emergency lighting 6-1/2" L x 7" W
TPC-37A-BAT	PS-1212	12V	1.4AH	3.78" L x 1.69" W x 2.04" H

Call S.E.E.S. for all of your emergency light replacement batteries.

S.E.E.S.#	Description
12V-GB-KIT	Kit, PCB and Battery for 12V Gell Pack
6V-GB-KIT	Kit, PCB and Battery for 6V Gell Pack
SEISMIC-BATTERY	Replacement Battery, Seismic Sensor



MIS-194N



MIS-194I-RES



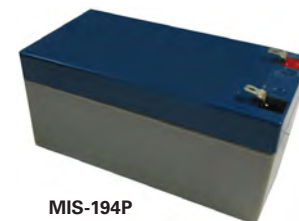
MIS-194J



MIS-195K



MIS-194M



MIS-194P



MIS-194Q



MIS-194R



MIS-194S



MIS-194T



MIS-194X



MIS-914-BAT



NP24-12B



TPC-37A-BAT



Alarm Bells

Easy to install, alarm bells have a strong, simplified mechanical construction which requires less maintenance time. Rugged construction with rust-protected finish provide reliable performance for both indoor and outdoor use.



MIS-125



MIS-125A



MIS-125B



MIS-125D



MIS-125E



MIS-125F



MIS-125G



MIS-125N



MIS-125M



MIS-125Q



1000-03-10



1000-04-10

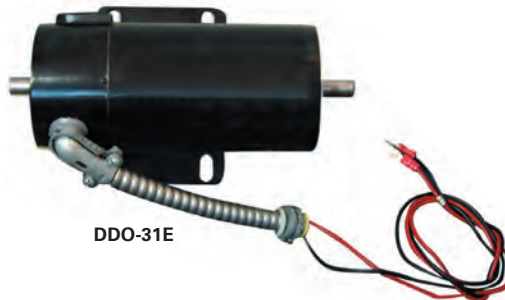
S.E.E.S. #	O.E.M. #	Description
MIS-125		Brass Gong, single stroke, 115 VAC 2K ohm
MIS-125A		Brass Gong, 2-1/2" diameter, single stroke, 40 Watt Series
MIS-125B		Brass Gong, 2-1/2" diameter, single stroke, 25 Watt Series
MIS-125D		Alarm Bell, 12 VDC, 6" diameter
MIS-125E		Alarm Bell, 120 VAC, 6" diameter
MIS-125F		Alarm Bell, Flash type, 120 VAC, 6" diameter, with flashing red light
MIS-125G		Alarm Bell Mounting Box, Red plastic 4" square surface mount with gasket, water resistant
MIS-125M		Alarm Bell Mounting Box, Red plastic
MIS-125N		Alarm Bell, 6" 6 VDC Nylube 92db .15 ma
MIS-125Q		Alarm Bell, 6" 6 VDC 92db .15 ma black bell
1000-03-10	1000-03-10	EPCO Alarm Bell, 6V bell, 6
1000-04-10	1000-04-10	EPCO Alarm Bell, 24V bell, 6
EPP-001	1000-02-01	EPCO Power Pack, 12V
EPP-001A	1000-03-01	EPCO Power Pack, 6V
EPP-002	1000-02-02	EPCO Power Pack, 12V with light
EPP-002A	1000-03-02	EPCO Power Pack, 6V with light
EPP-003	1000-02-03	EPCO Power Pack, 12V with bell
EPP-003A	1000-03-03	EPCO Power Pack, 6V with bell
EPP-004	1000-02-04	EPCO Power Pack, 12V with light, bell, & GFI
EPP-004A	1000-03-04	EPCO Power Pack, 6V with light, bell, & GFI

Door Motors

S.E.E.S. #	O.E.M. #	Description
DDO-31	9746602	Motor , Door Operator, 1/6 HP, 1140 RPM, 230 VDC, permanent magnet
DDO-31E	9801704, 141707	Motor , Door Operator, 1/6 HP, 1340 RPM, 115 VDC, permanent magnet, uses DCH-18
DDO-31EA	9872070	Motor , Door Operator, 1/6 HP, 1145 RPM, 230 VDC, permanent magnet
DDO-46	9779504	Motor , Door Operator, with encoder
DDO-47	9841775	Motor , Door Operator, with Pulse Tach
GDO-24	MOD Type	Motor , Door Operator, 1/6 HP, 1140 RPM, 230 VDC, MOD Type, Shunt wound
GDO-24B	MOM Type	Motor , Door Operator, 1/4 HP, 1150 RPM, 230 VDC, MOM Type, Shunt wound
GDO-24C	MTR-0009M	Motor , Door Operator, 1/4 HP, 1140 RPM, 230 VDC, permanent magnet
GDO-24D	MTR-0008N-PM	Motor , Door Operator, 1/6 HP, 1140 RPM, 230 VDC, MOD Type, permanent magnet
GDO-24E	MTR-0011N	Motor , Door Operator, 1/6 HP, 1140 RPM, 115 VDC, MOD Type, permanent magnet
GDO-24F	MTR-0010N	Motor , Door Operator, 1/2 HP, 1140 RPM, 230 VDC, MOH Type, permanent magnet
GDO-24H	MTR-0021N	Motor , Door Operator, 1/2 HP, 230 VDC, 3 phase, MOVFR, MOVFR 2, MOVFR-RND 2
HDO-5	3-40144-36	Motor , Door Operator, T-1, 1/4 HP, 1140 RPM, 230 VDC, uses HCB-5 brush
HDO-5A	3-40196-50	Motor , Door Operator, T-H 1/2 HP, 1140 RPM, 230 VDC
HS-3	3-26123-00	Motor , Selector motor, Vernier B1, .4 Amps, 72 RPM, 120 VAC
HS-3A	3-26123-12	Motor , Selector motor, Vernier B1 72 RPM 230-240 VAC
MDO-29	MA1555, MA1604	Motor , Door Operator, 1/6 HP, 1140 RPM, 230 VDC, type NC O-55, 6 wire lead, 5/8" shaft diameter
MDO-29A	49743	Motor , Door Operator, permanent magnet, 1/6 HP, 1140 RPM, 24 VDC, 3-1/4" diameter, 8-1/2" L, uses MCB-10 brush
MDO-29C	19144	Motor , Door Operator, 1/3 HP, 115-230 VDC, 3450 RPM, dampening, FT Mount



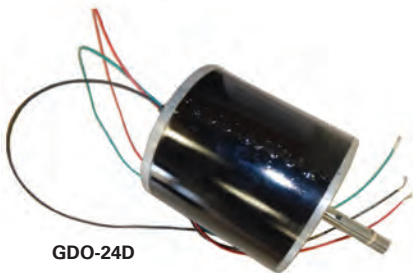
DDO-31



DDO-31E



GDO-24



GDO-24D



GDO-24F



HDO-5



MDO-29



MDO-29A



HS-3



HS-3A



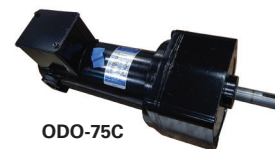
MDO-29C

Door Motors

S.E.E.S. #	O.E.M. #	Description
ODO-75	6333AJ1, 6333AL1	Motor , Door Operator, 1/2 HP, 115-230 VDC, 1750 RPM, 1/2" shaft, 1/8" key
ODO-75A	6333BX1	Motor , Door Operator, 32 oz/ft, 230 VAC, 900 RPM, 60 cycle, single phase
ODO-75B	6333AM1	Motor , Door Operator, 32 oz/ft, 230 VAC, 900 RPM, 60 cycle, 3 phase
ODO-75C	6333CC2	Motor , Door Operator, Gear Assembly., 69 RPM, 90VDC, 190in./lb. torque
ODO-75CD-A	6800JC1	Adaptor Plate , for new style ODO-75C&D Motors
OS-70	A6333E1	Motor Selector , 60 VDC
THLM-002	IR3507M	Motor , .75HP, 1725 RPM, 1 PH, 60 HZ, 56,3524L, TEFC F1
WDO-61	681A554H01, 146A444H01	Motor , Door Operator, 1/6 HP, 2000 RPM, 125 VDC, 1.3 Amp, shunt wound
WCB-142		Carbon Brush , for WDO-61
WDO-61F	151B420G01	Motor , Door Operator, 1/6 HP, 2000 RPM 125 VDC, 1.3 Amp, shunt wound, WDO-61 with pulley, 16 teeth
WDO-61G	692B863G01	Motor , Door Operator, 1/6 HP, 1150 RPM 170 VDC, 1.3 Amp, permanent magnet
WDO-61J	7285C56H01	Motor , for Schindler Door 1/6HP, 1140 RPM, 170 VDC
WRP-46	569A803H01	Motor , Tach generator, 30 VDC
WRP-46A	198C030H02	Motor , Tach generator 60 VDC
PDO-001	056910M	Door Motor , Peele 900/450Rpm 200/220 VAC



ODO-75



ODO-75C



OS-70



THLM-002



WDO-61

Fermator Parts

S.E.E.S. #	O.E.M. #	Size
FDM-001	VF00.C000 MODVVVF	Motor , Fermator door operator, 900 RMP 250 Watt 125-78/40 Volts
F-BELT-1	HTD 5M	Fermator Door Belt
F-BELT-001	913510011	Belt , Toothed for Fermator 5mm pitch 12mm wide 2500 long HTD-5M-12 Prem.
F-BELT-002	9190045	Belt , Timing/Toothed for Fermator 5mm pitch 12mm wide 4000 long HTD-5M-12
F-BELT-003	913510086	Belt , Timing/Toothed for Fermator 5mm pitch 12mm wide 5000 long HTD-5M-12
F-BELT-004	913510089	Belt , Toothed for Fermator 5mm pitch 12mm wide 1600 long HTD-5M-12 50/11VF
F-DC-1		Door Controller , Fermator VVVF
F-DC-VVVF4		Door Controller , Fermator VVVF4+
F-DS-1		Fermator , Door Slider
F-DL-3C		Fermator , Door Lock Contact



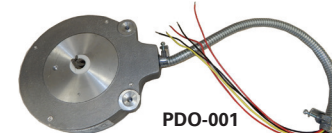
FDM-001



WDO-61G



WRP-46



PDO-001



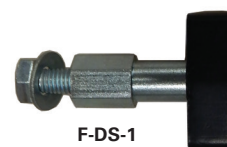
FDM-001



F-BELT-001



F-DC-VVVF4



F-DS-1



F-DL-3C



Contact Kits



CKAB-4



CKAB-11



CKAB-11



CKAB-12



CKABB-130-1NC



CKABB-130-2NO



CKABB-EH145



CKARO-1



CKARO-6



CKCH-12



CKCH-13



CKF-1



CKF-3



CKF-5

Contact Kits for Allen Bradley

S.E.E.S. #	O.E.M. #	Size
CKAB-1	Z-21101	00, 2 Pole Series K
CKAB-2	Z-21102	00, 3 Pole
CKAB-3	Z-21103	00, 4 Pole
CKAB-4	Z-34037	0, 1 Pole
CKAB-5	Z-34038	1, 1 Pole
CKAB-6	Z-34039	2, 1 Pole
CKAB-7	Z-34040	3, 1 Pole
CKAB-8	Z-34041	4, 1 Pole
CKAB-9	40410-331-51	0, 1 Pole Bulletin 500
CKAB-10	40410-331-52	1, 1 Pole
CKAB-11	40420-322-51	2, 1 Pole
CKAB-12	40430-300-51	3, 1 Pole
CKAB-13	40440-300-51	4, 1 Pole
CKAB-14	42450-805-01	5, 1 Pole

S.E.E.S. #	Description
CKABB-130-1NC	Contact Kit, EHDB130 1 N.C.
CKABB-130-2NO	Contact Kit, EHDB130 2 N.O.
CKABB-EH145	Contact Kit, 3 Pole, EH145
CKABB-280-2NO	Contact Kit, EHDBCK280 2 N.O.

Contact Kits for Aromat

S.E.E.S. #	O.E.M. #	Size, Poles	Contact Size Movable / Stationary
CKARO-1	BM6-35-901	1++ 3 P	1-1/2 x 1/4 / 1 3/8 x 1/2
CKARO-2	BM6-50-901	2+ 3 P	1-1/2 x 1/4 / 1-3/8 x 1/2
CKARO-3	BM6-65-901	2++ 3 P	1-7/8 x 3/16 / 1-7/16 x 5/8
CKARO-4	BM6-80-901	3 3 P	1-7/8 x 3/16 / 1-7/16 x 5/8
CKARO-5	BM6-85-901	3+ 3 P	1-7/8 x 1/4 / 1-3/4 x 5/8
CKARO-6	BM6-190-901	4+ 3 P	2-3/4 x 5/8 / 1-9/16 x 7/8

Contact Kits for Arrow Hart

S.E.E.S. #	O.E.M. #	Size
CKAH-2	38640-301, Model 1-64	3, 1 Pole

Contact Kits for Cutler Hammer

S.E.E.S. #	O.E.M. #	Size
CKCH-12	6-27-2	Size 5, 3 Pole Kit
CKCH-13	6-43-2	Size 3 / m # 6-43-2
CKCH-14	6-65-6	3 Pole, 1-3/4" H, Armor/Kone US518540
CKCH-20	6-36-2	Series B1, 200A

Contact Kits for Furnas

S.E.E.S. #	O.E.M. #	Size	Contact Size Movable / Stationary
CKF-1	75FB14A	Size 2, 1 Pole	1-15/16 x 1/2 / 1-15/16 x 1/2
CKF-2	9790172	Size 2-1/2, 1 Pole	1-15/16 x 1/2 / 1-15/16 x 1/2
CKF-3	75HB14	Size 3, 1 Pole	2-1/8 x 3/8 / 1-1/2 x 1/2
CKF-4	75IB14	Size 3-1/2, 1 Pole	2-1/8 x 3/8 / 1-1/2 x 1/2
CKF-5	75JB14	Size 4, 1 Pole	2-1/8 x 3/8 / 1-3/4 x 3/16

Contact Kits



1 Pole Contact Kits for Furnas

S.E.E.S. #	O.E.M. #	Size	Contact Size - Movable / Stationary
CKF-6	75RB14	Size 4-1/2, 1 Pole	3 x 1-3/4 x 1 x 3
CKF-7	75KB14	Size 5, 1 Pole	3-3/8 x 1-1/32 / 3/4 x 1-1/32 x 3
CKF-8	75DF14	Size 1, 1 Pole	1-1/4 x 3/8 / 1-7/16 x 3/8, 1-13/16 x 3/8
CKF-9	75EF14	Size 1-3/4, 1 Pole	1-1/4 x 3/16 / 1-3/16 x 3/16
CKF-10	75FF14	Size 2, 1 Pole	1-1/2 x 3/16 / 1-3/8 x 3/8
CKF-11	75FP14	Size 2, 1 Pole	1-1/2 x 3/16 / 1-3/4 x 1/4
CKF-11A	75FP14	Size 2, Silver Contact	
CKF-12	75GF14	Size 2-1/2, 1 Pole	1-15/16 x 1/2 / 1-3/8 x 3/8
CKF-13	75GP14	Size 2-1/2, 1 Pole	1-1/2 x 5/16 / 1-3/4 x 3/8
CKF-14	75HF14	Size 3, 1 Pole	1-3/4 x 5/16 / 1 x 1/2
CKF-15	75IF14	Size 3-1/2, 1 Pole	1-7/16 x 1/2 / 1 x 1/2
CKF-16	75HF15	Size 3, 1 Pole	1-1/8 x 1/2 / 1 x 1/2
CKF-17	75JG14	Size 4, 1 Pole	1-3/4" x 5/8" / 1-1/8" x 5/8"
CKF-18	75GF15	Size G, 1 Pole	



CKF-15



CKF-16

S.E.E.S. #	O.E.M. #	Description
DCK-1	9955045	Auxiliary Contact, Furnas 49D54682NO
DCK-2	9790317	1 Pole Contact Kit, Furnas 75NB41
DCK-3	9790123	1 Pole Contact Kit, Furnas 75FE42



DCK-2



DCK-3

Contact Kits for Siemens

S.E.E.S. #	O.E.M. #	Size
CKS-01	SIE7440CK	3 Pole for Siemens 3TF44 32A
CKS-02	SIE7460CK	3 Pole for Siemens 3TF46 SIZE 2
CKS-03	SEI7470CK	3 Pole for Siemens 3TF47 SIZE 2+
CKS-04	SEI7480CK	3 Pole for Siemens 3TF48 SIZE 3
CKS-04A	3TY7500-OA	3 Pole for Siemens Fits 3TF50
CKS-05	SIE7520CK	3 Pole for Siemens 3TF52 SIZE 4
CKS-06	SIE6440CK	3 Pole for Siemens 3TB44 SIZE 1&2
CKS-07	SIE6460CK	3 Pole for Siemens 3TB46 SIZE 2
CKS-08	SIE6480CK	3 Pole for Siemens 3TB48 SIZE 3
CKS-09	SIE6500CK	3 Pole for Siemens 3TB50 150 AMP
CKS-10	SIE6520CK	3 Pole for Siemens 3TB52 200 AMP
CKS-11	3RT1936-6A, 3RT1036-A	3 Pole Siemens Size 2, 50 Amp 3RT series
CKS-12	3RT1945-6A	3 Pole Siemens 3TR1945-6A & 3TR1946-6A



CKS-03



CKS-07



CKS-11



CKS-12



Contact Kits

Contact Kits for LG Industrial Systems

S.E.E.S. #	Description
CKLG-2	3 Pole, Contact Kit for GMD/C-50
CKLG-4	3 Pole Main Contact Kit for GMD/C-75
CKLG-8	3 Pole Main Contact Kit for GMD/C-220
CKLG-10	4 Pole Main Contact Kit for GMC-22/4



CKLG-4



CKM-1



CKM-2



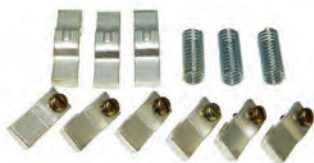
CKM-3



WRP-47



WRP-49



CKW-200

Contact Kits for Mitsubishi

S.E.E.S. #	O.E.M. #	Description	Movable Contact	Stationary Contact
CKM-1	BH569N300	Size 2, 3 Pole	1-1/2 x 3/16	7/8 x 5/16
CKM-1A		Size 2, 3 Pole		
CKM-2	BH559N301	Size 2-1/2, 3 Pole	1-1/2 x 3/16	1-3/16 x 1/4
CKM-3	BH569N301	Size 3, 3 Pole	1-1/2 x 3/16	7/8 x 5/16
CKM-4		Mitsubishi Size 4 S-K125		

Contact Kits for Westinghouse

S.E.E.S. #	O.E.M. #	Description
WRP-47	373B331G12, 26280602	Size 2, 3 Pole A200 MR Type J Contactor
WRP-48	626B187G13, 276A284G02	Size 3, 3 Pole A200 M4CAC Type J Contactor
WRP-49	626B187G17, 626B198G17, 26280461	Size 4, 3 Pole A200 Type J Contactor

Contact Kits for Ward Leonard

S.E.E.S. #	O.E.M. #	Description
PR-44	Kit 330	Size 3, 1 Pole
WRP-49A	811C985H06	Size 2, 1 Pole

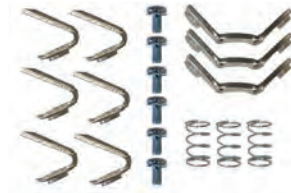
Contact Kits

Contact Kits for General Electric

S.E.E.S. #	O.E.M. #	Description
CKGE-3	546A300G002	Size 0, 4 Pole
CKGE-4	546A300G010	Size 0, 4 Pole
CKGE-5	546A301G002	Size 1, 4 Pole
CKGE-6	546A301G053	Size 1, 4 Pole
CKGE-7	546A780G002	Size 2, 3 Pole
CKGE-8	546A780G051	Size 2, 3 Pole
CKGE-9	55153677G01	Size 3, 1 Pole
CKGE-10	55153677G002	Size 3, 3 Pole
CKGE-11	55153678G002	Size 4, 3 Pole
CKGE-12	55154607G002	Size 5, 3 Pole
CKGE-13	55754607G041	Size 5, 3 Pole
CKGE-14	GE CL05	4 Pole 30HP
CKGE-15	GE CL06	3 Pole 30HP
CKGE-16	GE CL07	3 Pole 40HP
CKGE-16A	GE CL07	4 Pole 40HP
CKGE-17	GE CL08	3 Pole 50HP
CKGE-17A	GE CL08	4 Pole 50HP
CKGE-18	GE CL09	3 Pole 60HP
CKGE-19	GE CL09	3 Pole 75HP
CKGE-20	GE CL10	3 Pole 100HP
CKGE-21	GE CR7CJ/CR7CK	3 Pole, 56-73 Amp
CKGE-22	GE CAFF2/ CA5F2CPR1	3 Pole 105 Amp



CKGE-5



CKGE-7



CKGE-11



CKGE-15



CKGE-16A



CKGE-17



CKGE-18



CKGE-19



CKGE-20



CKGE-21

Contacts for General Elevator

S.E.E.S. #	Description
GEN-C1	Copper Contact Assembly , Contact pad 1-1/8" square, Contact Holder 3-1/4" O.L. with 12" L shunt, 1/4" mounting hole
GEN-C2	Contact Assembly , Contact blade 1-1/2" O.L. with 6" shunt and 1/2" diameter Contact Pad
GEN-C3	Metal Graphite Block , 1-1/16" x 1" with mounting hole
GEN-C4	Contact Blade , with shunt
GEN-C5	Contact , Stud 10-32 x 2-7/8" Silver Tipped for GEN-C2



GEN-C1



GEN-C2



GEN-C3



GEN-C4

S.E.E.S. #	Description	Type
CKARO-1	Contact Kit, 1+	35
CKARO-2	Contact Kit, 2	50
CKARO-3	Contact Kit, 2+	65
CKARO-4	Contact Kit, 3	80
CKARO-5	Contact Kit, 3+	85
CKARO-6	Contact Kit 4+	190



CKARO-1



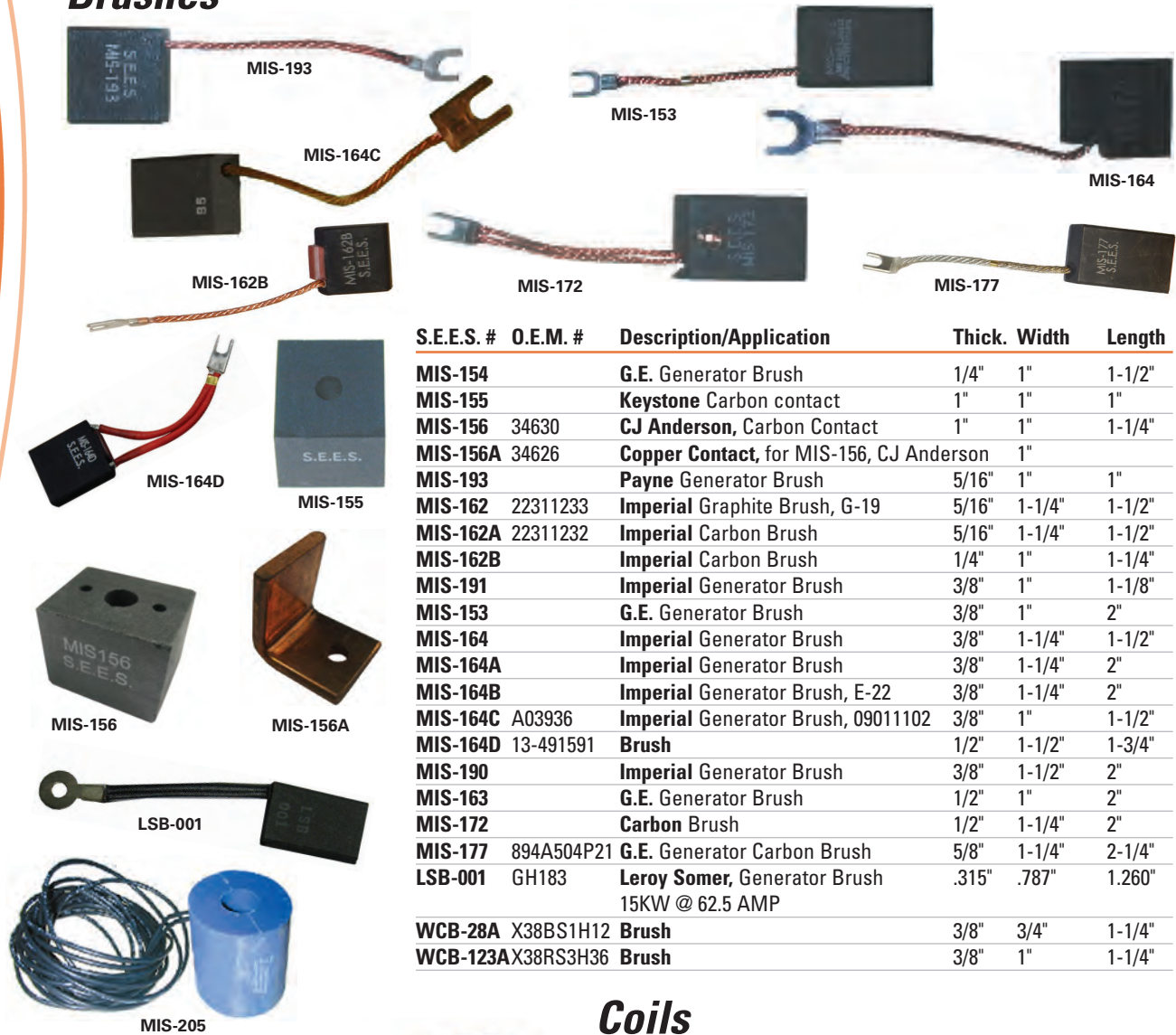
JC-3A

Contact Kits for Joslyn Clark

S.E.E.S. #	O.E.M. #	Description
JC-3A	KTM31-1	Size 00-0-1, 3 Pole
JC-3	KTM32-1	Size 2 Starter
JC-4	KTM33-1	Size 3 Starter



Brushes



S.E.E.S. #	O.E.M. #	Description/Application	Thick.	Width	Length
MIS-154		G.E. Generator Brush	1/4"	1"	1-1/2"
MIS-155		Keystone Carbon contact	1"	1"	1"
MIS-156	34630	CJ Anderson, Carbon Contact	1"	1"	1-1/4"
MIS-156A	34626	Copper Contact, for MIS-156, CJ Anderson	1"		
MIS-193		Payne Generator Brush	5/16"	1"	1"
MIS-162	22311233	Imperial Graphite Brush, G-19	5/16"	1-1/4"	1-1/2"
MIS-162A	22311232	Imperial Carbon Brush	5/16"	1-1/4"	1-1/2"
MIS-162B		Imperial Carbon Brush	1/4"	1"	1-1/4"
MIS-191		Imperial Generator Brush	3/8"	1"	1-1/8"
MIS-153		G.E. Generator Brush	3/8"	1"	2"
MIS-164		Imperial Generator Brush	3/8"	1-1/4"	1-1/2"
MIS-164A		Imperial Generator Brush	3/8"	1-1/4"	2"
MIS-164B		Imperial Generator Brush, E-22	3/8"	1-1/4"	2"
MIS-164C	A03936	Imperial Generator Brush, 09011102	3/8"	1"	1-1/2"
MIS-164D	13-491591	Brush	1/2"	1-1/2"	1-3/4"
MIS-190		Imperial Generator Brush	3/8"	1-1/2"	2"
MIS-163		G.E. Generator Brush	1/2"	1"	2"
MIS-172		Carbon Brush	1/2"	1-1/4"	2"
MIS-177	894A504P21	G.E. Generator Carbon Brush	5/8"	1-1/4"	2-1/4"
LSB-001	GH183	Leroy Somer, Generator Brush 15KW @ 62.5 AMP	.315"	.787"	1.260"
WCB-28A	X38BS1H12	Brush	3/8"	3/4"	1-1/4"
WCB-123A	X38RS3H36	Brush	3/8"	1"	1-1/4"

Coils

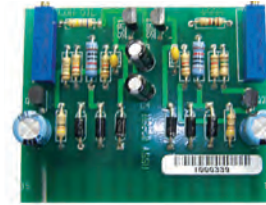


S.E.E.S.#	O.E.M. #	Description
MIS-205	S-651	EECO Coil, 110 VAC, UV7
MIS-205A	S-652	EECO Coil, 208 VAC, UV7
MIS-205B	S-653	EECO Coil, 220 VAC, UV7
MIS-205C	S-752	EECO Coil, 110 VDC, UV7
MIS-205D	S-753	EECO Coil, 220 VDC, UV7
MIS-205F	S-463	EECO Coil, 230 VAC, UV5
MIS-205G	S-461	EECO Coil, 110 VAC, kit of 4 for UV5
MIS-212	208200	Maxton Coil, Red, 110 VAC
MIS-213	208100	Maxton Coil, Black, 115 VDC
MIS-213A	208300	Maxton Coil, 12 VDC Black # N-3042
MIS-214	208000	Maxton Coil, Green, 208/ 220/ 240 VAC
MOC-1	C-3, 1009768	Monarch Coil, 9K Ohms
MOC-3	C-7, CR6053-7	Monarch Coil, 1,680 Ohms
MOC-4	C-9	Monarch Coil, 650 Ohms
MOC-5	C-13, 1-00-9798	Monarch Coil, 2,420 Ohms
WTC-01	TA-4310	Watson Coil, 3500 Ohms

Printed Circuit Boards

Elevator Control Boards

S.E.E.S. #	O.E.M. #	Description
WIPC-001	24870	PC Board, Low Oil and Door Timer Board 24V, Wiggers
LPCB-22	DHL-270	PC Board, LG, # DOR-270
LPCB-38A	DOR-200	PC Board, LG, # DOR-200
LPCB-39	DOR-231	PC Board, LG-Otis, # DOR-231
LPCB-86	DCL-243	PC Board, LG Sigma Elevator Main board
LPCB-145	DOR-220	PC Board, LG, # DOR-220



WIPC-001



LPCB-145



LPCB-22

Rectifiers



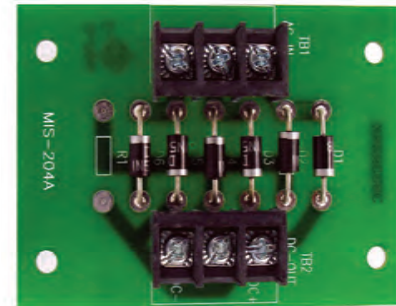
MIS-203



MIS-204



MIS-204C



MIS-204A



MIS-204B



MIS-204D



MIS-204E

S.E.E.S. #	Description
MIS-203	Rectifier, Single phase, 5-6 amps, plug in silicon, tube type base (Payne K7822)
MIS-203A	Rectifier, 3 phase 8 pin octal plug
MIS-204	Rectifier, 8 amp, silicon bridge "candy bar" rectifier
MIS-204A	Rectifier, 3 Phase, PC Board replacement for MIS-204
MIS-204B	Rectifier, 600V-1000V, 35 amp, Single Phase
MIS-204C	Rectifier, Omniphase 400V, 6 amp
MIS-204D	Rectifier, 3 Phase, 600V, 27.5 amp

S.E.E.S. #	O.E.M. #	Description
MIS-204E	PSD95/12	Rectifier, 140 AMP/1200 VAC max 3 PH bridge
MIS-204EA	Z575LA80A CKE	Surge Suppressor, for MIS-204E
MIS-204F	PSD25/12	Rectifier, 3 Phase, 1200V, 25 amp



MIS-204EA



Relay Testers



MIS-301UT



Includes Case



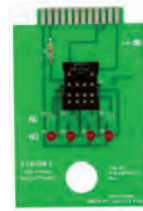
MIS-301UT1



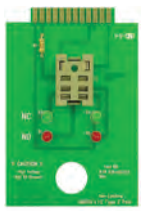
MIS-301UT2



MIS-301UT3



MIS-301UT4



MIS-301UT5



MIS-301UT6



MIS-301UT7



MIS-301UT8



MIS-301UTF-C
MIS-301UTF



MIS-300T



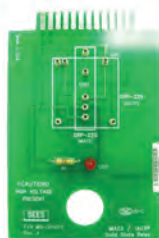
MIS-301T

Universal Multi-Volt Relay Tester

S.E.E.S. #	O.E.M. #	Description
MIS-301UTK		Tester Kit , Universal multi-volt relay tester with lamp test fixture and carrying case. Tests 2-12 pole relays including the following: P&B R1 relays, KU Series 2 and 3 pole relays, Omron MY/LY relays, Haughton 6 pole relays, IBM relays, Input Output modules. ■ Includes boards MIS-301UT1 thru MIS-301UT13
MIS-301UT		Relay Tester , universal, with case, AC/DC V boards sold separately or in a kit
MIS-301UT1	936-003702	Relay , P&B R1- series
MIS-301UT2	936-003703	Relay , KU series 2/3 pole
MIS-301UT3	N2878B	Board , lamp test
MIS-301UT4	936-003712	Relay , Omron MY type, 2/4 pole
MIS-301UT5	936-003713	Relay , Omron LY type, 2 pole
MIS-301UT6	936-003714	Relay , HRP-4BB/4BA
MIS-301UT7	936-003730	Relay , IBM 4-12PDT, 45 VDC
MIS-301UT8	936-003731	Relay , solid state, plug in
MIS-301UT9		Relay Test Board , Card insert I/O module relays
MIS-301UT10		Relay Test Board , I/O module for DRP-22H, DRP-22C, DRP-22F
MIS-301UT11		Relay Test Board , I/O module for DRP-22B & DRP-22G
MIS-301UT12		Relay Test Board , LY4N relay tester
MIS-301UT13		Test Board , Motion Control 100 VDC Safety Relay
MIS-301UT14		Test Board , for PR-36, 37 & PR-52 Guardian type relays
MIS-301UTF		Main Fuse , SEES relay tester 500MA
MIS-301UTF-C		Coil Fuse , SEES relay tester 250MA
MIS-301UT-IBM		IBM Tester kit , MIS-301UT with IBM test card



MIS-301UT10



MIS-301UT11



MIS-301UT12



MIS-301UT13

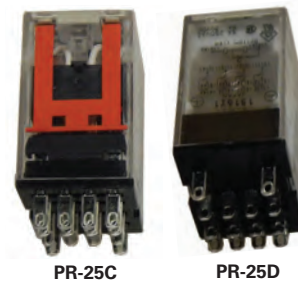
Specialty Relay Testers

S.E.E.S. #	O.E.M. #	Description
MIS-300T		Relay tester . Hall effect, non contact LED relay tester. Ideal for "ice cube" relays. Works with all voltages and currents.
MIS-301T		Universal Relay Tester . For IBM style relays.
MIS-310		EEPROM Memory Copier
MIS-311		EEPROM Eraser with Timer
MIS-312	A835RPLBOX	PCB, EDR assembly with box

Relays

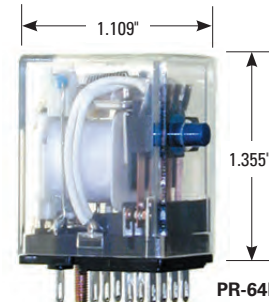
4 Pole Plug-in "Ice Cube" Relays

S.E.E.S. #	O.E.M. #	Description
PR-11	156-14-T200, KHU17A12-120	120 VAC, 4 PDT, Dust Cover
PR-11B	156-14-V100	240 VAC, 4 PDT, Dust Cover with Pushbutton & Light
PR-12	156-14-T2LC	120 VAC, 4 PDT, Dust Cover with Pushbutton & Light
PR-12A	KHAU17A12N-120	120 VAC, 4 PDT, Dust Cover with Light
PR-12B	156-24-P2LC	12 VAC, 4 PDT, Dust Cover with Pushbutton & Light
PR-25	156-14-F200, KHU17D12-110	110 VDC, 4 PDT, Dust Cover with Pushbutton
PR-25A	156-14-F2LC	110 VDC, 4 PDT, Dust Cover with Pushbutton & Light
PR-25B		110 VDC, 4 PDT, Bifurcated with LED
PR-25C		110 VAC, 4 PDT, Bifurcated with LED
PR-25D		24 VDC, 4 PDT, Bifurcated with LED
PR-63	156-14-B200, KHU17D12-12	12 VDC, 4 PDT, Dust Cover
PR-63A		12 VDC, 4 PDT, Bifurcated, Push-Test
PR-64A	156-14-D200, KHU17D12-48	48 VDC, 4 PDT, Dust Cover
PR-64B	156-14-D2LC	48 VDC, 4 PDT, Dust Cover with Pushbutton & Light
PR-64C		48 VDC, 4 PDT, 5A with Light
PR-65	156-14-C200, KHU17D12-24	24 VDC, 4 PDT, Dust Cover with LED
PR-65B		24 VDC, 4 PDT, Bifurcated
PR-66	156-14-Q200, KHU17A12-24	24 VAC, 4 PDT, Dust Cover
PR-66A	156-14-Q2LC	24 VAC, 4 PDT, Dust Cover with Pushbutton & Light



PR-25C

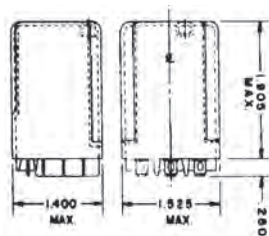
PR-25D



PR-64B

■ Use Sockets PR-86, PR-89

PR-26 Dimensions



Plug-in Relays with Dust Cover

S.E.E.S. #	O.E.M. #	Description
PR-53A	157-23-N200, KUP-14A15-6	6 VAC, 3 PDT
PR-53	157-23-P200, KUP-14A15-12	12 VAC, 3 PDT
PR-67	157-22-B200, KUP-11D15-12	12 VDC, 2 PDT
PR-72	157-23-Q200, KUP-14A15-24	24 VAC, 3 PDT
PR-26	KUP-14D15	24 VDC, 3 PDT
PR-68	157-22-C200, KUP-11D15-24	24 VDC, 2 PDT
PR-71	157-23-C200, KUP-14D15-24	24 VDC, 3 PDT with Pushbutton & Light
PR-22	157-23-D2LC	48 VDC, 3 PDT with Pushbutton & Light
PR-24	157-23-D200, KUP-14D15-48	48 VDC, 3 PDT
PR-69A	KUL-11D15D-110	110 VDC, 2 PDT, latching type, 10 Amp
PR-21	157-23-F2LC	110 VDC, 3 PDT with Pushbutton & Light
PR-23	157-23-F200, KUP-14D15-110	110 VDC, 3 PDT
PR-24A	157-23-F2C0,	110 VDC, 3 PDT with Pushbutton
PR-24B	KUP14D35-110 V	110 VDC, 3 PDT with Light
PR-70	157-22-T200, KUP-11A15-120	120 VAC, 2 PDT
PR-70A	47354	120 VAC, 2PDT, 10 Amp
PR-14	157-23-T200, KUP-14A15-120	120 VAC, 3 PDT
PR-15	157-23-T2LC	120 VAC, 3 PDT with Pushbutton & Light
PR-16	157-23-U2C0	240 VAC, 3 PDT with Pushbutton
PR-17	157-23-U200, KUP-14A15-240	240 VAC, 3 PDT
PR-17A	KUP14A35-240 V	240 VAC, 3 PDT with Light
PR-18	157-23-U2LC	240 VAC, 3 PDT with Pushbutton & Light
PR-39	157-22-U200, KUP-11A15-240	240 VAC, 2 PDT

■ Use Sockets PR-92 thru PR-94 and PR-33



PR-26

PR-24

PR-64C

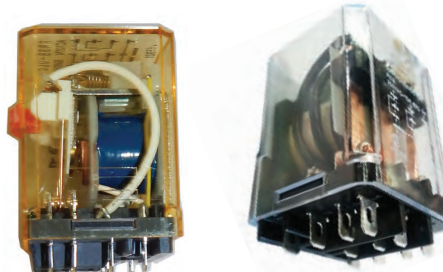


PR-21

PR-23

PR-70

■ Transparent Orange Lexan Dust Cover offers Environmental Protection

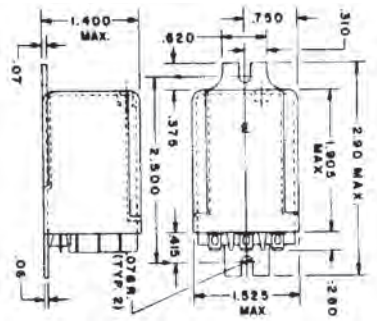


PR-15

PR-16



Relays



PR-38

Plug-in Relay with Flanged Dust Cover

S.E.E.S. #	O.E.M. #	Description
PR-38	157-33-D200, KUP-14D55-12	48 VDC, 3 PDT
PR-95A	MJN-2CE-DC48	48 VDC, 2 PDT
PR-73	157-33-T200, KUP-14A55-120	120 VAC, 3 PDT

■ Transparent Green Lexan Dust Cover with Mounting Flanges allows for surface mounting.



PR-74

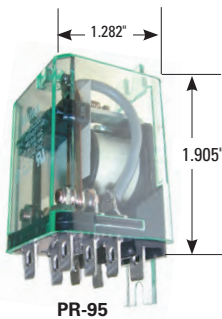


PR-95A

General Purpose Industrial Plug-in Relays 10 Amp

S.E.E.S. #	O.E.M. #	Description
PR-74	158-12-B200	12 VDC 2 PDT Dust Cover
PR-75	158-12-C200	24 VDC 2 PDT Dust Cover
PR-95A	MJN-2CE-DC48	48 VDC 2 PDT Flange mount
PR-11A	158-12-T2CO	120 VAC 2 PDT Dust Cover with Pushbutton

■ Use Sockets PR-86 thru PR-89, Transparent green polycarbonate dust cover offers environmental protection.



PR-95



PR-96

Plug-in 20 Amp Power Relay with Flanged Dust Cover

S.E.E.S. #	O.E.M. #	Description
PR-95	187-32-C200, 20607-82	24 VDC 2 PDT Flanged Dust Cover
PR-96	187-32-T200, 20601-84	120 VAC 2 PDT Flanged Dust Cover



PR-77



PR-78A

Miniature DPDT "Dipper" Relay

S.E.E.S. #	O.E.M. #	Description
PR-77	190-22-B100, HAS112S-12V	12 VDC DPDT 2 Amp .827" L x .436"
PR-77A	RP010012 OBS	Relay, SPST 12 VDC 10A PCB Socket Mgt for IP8300 Selector
PR-78	190-22-C100, T82P11D113-24D	24 VDC DPDT 2 Amp
PR-78A	RT1314024F	Relay, Dipper 24 VDC 16A 2P2T for GPC-003 pcb
PR-78B	G5RL-1-E_AC_115/120	Relay, PCB, SPDT 16A, 115/120 AC Coil
PR-78C	G6E-134P-ST-US-DC12	Relay, 12 VDC SPDT
PR-79	190-22-E100	5 VDC DPDT 2 Amp
PR-82	310-11-B200	12 VDC SPDT



PR-78B



PR-106

4PDT Plug-in Relay

S.E.E.S. #	O.E.M. #	Description
PR-106	LY4N-AC110/120	Relay, 120 VAC 10 Amp, 4 PDT
PR-106A	LY4N-DC110/100	Relay, 4 Pole 110 VDC with LED 10 Amp
PR-106B	LY4N-AC200/220	Relay, 4 Pole 220 VAC 10 Amp
PR-106S	SH48-DC24	Socket, surface mount relay
PR-114	LY4N-DC24	Relay, 4 PDT, 24 VDC

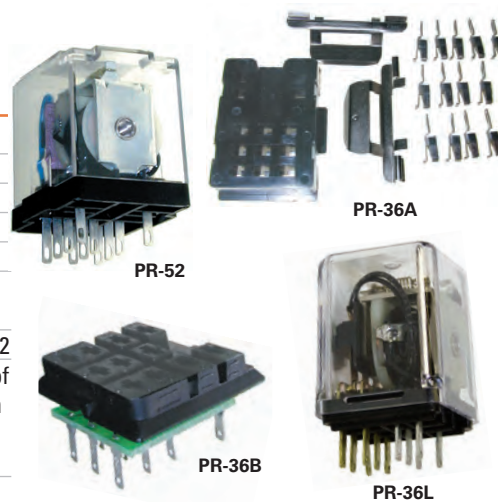


PR-78C

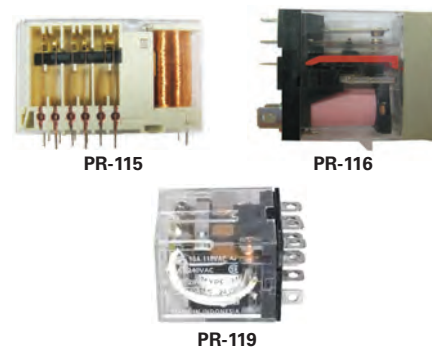
Relays

General Purpose 10 Amp "Guardian" Type Plug-in Relays

S.E.E.S. #	O.E.M. #	Description
PR-37	A410-361362-00	240 VAC 3 PDT, alternate is PR-36B & PR-17
PR-40	IR-640U-4C-120A	120 VAC 4 PDT
PR-52	IR-1225-3C-110D	110 VDC 3 PDT, alternate is PR-36B & PR-23
PR-52A	IR-1225-2C-110D	110 VDC 2 PDT
PR-52-KIT	11340-01 Alt	Guardian Kit Replacement , 3 PDT 110 VDC
PR-36	IR-1220-3C, A410-361344-00	120 VAC 3 PDT, alternate is PR-36B & PR-14
PR-36A	1220-SOC-2	Base , Panel Mount, for 3P relays, PR-36, 37 & 52
PR-36B		Socket adaptor . This adaptor enables the use of KUP style 3 pole relays to replace the Guardian style. Plugs directly into the original Guardian relay socket. (Relay not included)
PR-36L		Relay , 3 PDT, 120 VAC AHTR

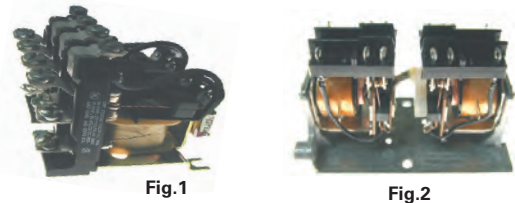


S.E.E.S. #	O.E.M. #	Description
PR-115	56.OA022442N	Force guided safety relay , 4 N.O. & 2 N.C. 24 VDC
PR-116	G2R-1-S-AC1205	Relay , SPDT 120 VAC Plug In Used On EECO TS-1000 Tape Read
PR-119	895-1215, LY3DC24	Relay , 3 PDT 10A 24 VDC Power Relay for ECI door operator
PR-103S	HG4-SF	Relay Socket Kit , surface mount for 4P relay
DRP-36	9787769, 690BX5	Relay , Subminiature PCB, 24V, G6B SPST 5A



Joslyn Clark Relays

S.E.E.S. #	O.E.M. #	Description
JC-9A	PLR240A	Phase Monitor , 197-240V, Octal plug-in
JC-9-KIT	PLR240A	Phase Monitor Kit , 197-240V, NDS-8 Socket
JC-10A	PLR480A	Phase Monitor Assembly 440-480V, Octal plug-in
JC-10-KIT	PLR480A	Phase Monitor Kit , 440V + Socket



Sockets for Relays

* see more sockets on page 289.

"P & B" Relays

Fig.	S.E.E.S. #	O.E.M. #	Description
1	PR-54	PM-17DY	Relay , 110 VDC 4 PDT
1	PR-55	PM-17AY	Relay , 120 VAC 4 PDT
1	PR-56	PM-17AY	Relay , 240 VAC 4 PDT
2	PR-41	KB-17AG	Relay , 120 VAC 4 PDT, Latching Relay
2	PR-42	RL014A240	Relay , 240 VAC 4 PDT, Latching Relay
2	PR-43A		Relay , Latching 4 Pole 120 VAC Plug In, Din or Surface Mounting
2	PR-69A	KUL-11D15D-110	Relay , Plug-In 2PDT 110 VDC Latching Type 10amp

S.E.E.S. #	O.E.M. #	Description
PR-121	VP-2030	EC relay kit





Relays



PR-98B



PR-18A



PR-18B

PR-98



PR-98A

RT7-E1



WT-01



PR-30



PR-31-S



PR-33-S



PR-34-S

Trip Counter

S.E.E.S. # O.E.M. # Description

PR-98B H 7EC-N-B Universal Electrical Trip Counter 8 digit ICD read out with battery

"Time Delay" Relays / Timers

S.E.E.S. # O.E.M. # Description

PR-83	613-12-T400	120 VAC 1-120 sec.	External Resistor used with socket PR-32
PR-18A	614-43-T400, CLB-51-70120	120 VAC 1.2-120 sec.	Knob Adjustment used with socket PR-32
PR-18B	614-43-T100, CLB-51-70010	120 VAC .1-10 sec.	Knob Adjustment used with socket PR-32
PR-19D	614-43-F400	110 VDC 1.2 - 120 sec.	Knob Adjustment used with socket PR-32
PR-19E	614-43-U400	240 VAC 1.2 - 120 sec.	Knob Adjustment used with socket PR-32
PR-19G	655-12-F600	110 VDC 3 - 300 sec.	Solder 5 amp. used with socket PR-89
PR-19B	655-13-T300	120 VAC 0.6 -60 sec.	Solder 10 amp.
PR-98	438-USA	24-240 VAC/VDC	1 - 512 sec. Adjustable Universal Timer Delay-On Operate Timer
PR-98A		12/240 VAC/DC SPDT	Timer, Univ Adj .1 sec- 20hr on/off delay, compatible with 3" 35mm din rail mgt kit (MIS-004)
RT7-E1		5A @ 250 VAC 4A @ 24 VDC	Relay, Thermistor
RZ7-FSA3-FU23			Timer, On Delay, SPDT, 15-180, 24-48D
WT-01	X45GS1H59	X120 VAC .1 - 102 sec.	Plug in Timer, .1-102 Sec Adj 120 VAC (11 pin round)



PR-30-S

IBM Relays

S.E.E.S. # O.E.M. # Description

PR-28S			Solid State Replacement for PR-28
PR-30	9767540		Relay, 48 VDC, 4 PDT
PR-30S			Relay, 48 VDC, 4 PDT W/LED solid state, alternate to PR-30
PR-30-S	769489		Relay, Solid State IBM 4 Pole 48 VDC, economy, SEES Smart Buy
PR-31S			Solid State Replacement for PR-31
PR-31-S	769019		Relay, Solid State IBM 6 Pole 48 VDC, economy, SEES Smart Buy
PR-33	186685		Relay, 45 VDC 4 PDT Latching Relay
PR-33S			Solid State Replacement for PR-33
PR-33-S	186685		Relay, Solid State IBM 4 Pole Latching relay, 48 VDC, economy
PR-34-S	769488		Relay, Solid State IBM 12 Pole, economy, SEES Smart Buy

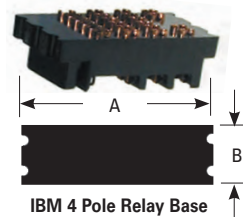
Relays

IBM Relays

S.E.E.S. #	O.E.M. #	Description
PR-28-BC	9710322	Clip, bottom hold down clip for relay
PR-28-TC	9710310	Clip, top hold down clip for relay
PR-35	159941	Base for 4 Pole Relays
PR-35C	159942	Base for 6 PDT Relays
PR-35E	136267	Arc Suppressor Assy, Diode 3A, 50V for PR-35
PR-35D	159943	Base for 12 PDT Relays
PR-35A		Contact Wires
PR-35B		Taper Pins for base wiring
PR-35L6		Jumper, 6" insulated wire with taper pin
PR-35L10		Jumper, 10" insulated wire with taper pin
PR-35L18		Jumper, 18" insulated wire with taper pin
PR-35L24		Jumper, 24" insulated wire with taper pin
PR-35L30		Jumper, 30" insulated wire with taper pin
PR-35R		Relay Base Kit, Base, Top/Bottom Clip Hardware and Diode
PR-35T		Tool, IBM contact removal and insertion tool
PR-35T		Tool, IBM contact removal and insertion tool
PR-36-KIT		Guardian Relay Replacement Kit, 3 PDT 120 VAC
PR-37-KIT		Guardian Relay Replacement Kit, 3 PDT 240 VAC



No. of Contact	A	B
4 PDT	2"	5/8"
4 PDT (long yoke)	2"	5/8"
6 PDT	2"	15/16"
12 PDT	2"	1-7/8"
4 PDT Latch	2"	5/8"
6 PDT Latch	2"	15/16"



Relay Dimensions listed for Identification Assistance

IBM Relays

S.E.E.S. #	Description
SEES-IBMS-001L	SEES IBM Socket Adaptor, L.H. 4P IBM to Ice Cube Adaptor
SEES-IBMS-001R	SEES IBM Socket Adaptor, R.H. 4P IBM to Ice Cube Adaptor
SEES-IBMS-001L-D	SEES IBM Socket Adaptor, L.H. with Diode, IBM to Ice Cube Adaptor
SEES-IBMS-001R-D	SEES IBM Socket Adaptor, R.H. with Diode, IBM to Ice Cube Adaptor
SEES-IBMS-002L	SEES IBM Socket & Relay, L.H. 4 PDT 48 VDC 5A
SEES-IBMS-002L-D	SEES IBM Socket & Relay, L.H. with Diode, 4 PDT 48 VDC 5A
SEES-IBMS-002R	SEES IBM Socket & Relay, R.H. 4 PDT 48 VDC 5A
SEES-IBMS-002R-D	SEES IBM Socket & Relay, R.H. with Diode, 4 PDT 48 VDC 5A
SEES-IBMS-003R	SEES IBM Socket & Relay, R.H. 4 PDT 48 VDC 5A, Push TT & LED



Relays



PR-27

Octal Base Power Relays

S.E.E.S. #	O.E.M. #	Description
PR-27	KRP-11DG	110 VDC DPDT, 8 pins
PR-57	155-92-B200	12 VDC DPDT, 8 pins
PR-59	155-92-Q200	24 VAC DPDT, 8 pins
PR-60	155-92-T200	120 VAC DPDT, 8 pins
PR-61	155-93-C200	24 VDC 3 PDT, 11 pins
PR-62	155-93-T200	120 VAC 3 PDT, 11 pins
PR-59A	MK2PN-S-AC240	240 VAC 2 PDT 8 pins
PR-117	MK2P-1 240 VAC	240 VAC, 2 PDT, 8 pin round
PR-118	MK32P-5-1 240 VAC	240 VAC, 3 PDT 11 pin round
PR-118A	R15-2013-23-5120-WTL	Relay, 3 PDT 11 Pin Octal, 120 VAC



PR-57



PR-117



PR-61



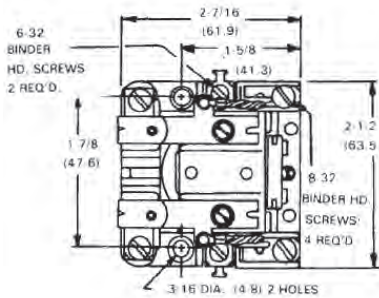
PR-118

SPST / SPDT Power Relay

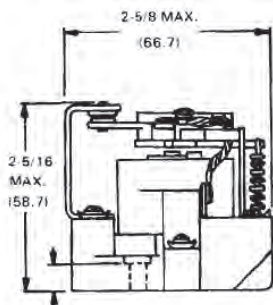
S.E.E.S. #	Description
PR-116	Relay, SPDT 120 VAC Plug In Used On EECO TS-1000 Tape Read

DPST 30 Amp Power Relay

S.E.E.S. #	O.E.M. #	Description
DRP-16	PR3280	6 VDC DPST with Magnetic Blow-Out
PR-1A	PRD7AY0-12VDC, W199X7	12 VDC DPST N/O
DRP-11	W199X8	24 VDC DPST N/O
DRP-7	76901, PR80033, 199BX17	48 VDC DPST with Magnetic Blow-Out
DRP-8	76902, PRD7DY0	48 VDC DPST N/O
DRP-12A	72014, PR3975, PRD7DHO	110 VDC DPST with Magnetic Blow-Out
PR-101	PR3972, W199X9	110 VDC DPST N/O
DRP-14A	71924, PR3723, PR3973, PRD7AHO-120	120 VAC DPST with Magnetic Blow-Out
PR-9A	PRD-7AY0	240 VAC DPST
PR-10A	PRD7AHO	240 VAC DPST, with Magnetic Blow-out



DRP-16



DRP-11

Relays

DPDT 30 Amp Power Relays

S.E.E.S. #	O.E.M. #	Description
PR-9	302.11U100, PRD11400, W199AX15	240 VAC DPDT
PR-10	302-11U1M0	240 VAC DPDT with Magnetic Blow-Out
PR-7	302-11T100, PRD11AY0	120 VAC DPDT
PR-8	302-11T1M0, PRD11AHO, W199ABX14	120 VAC DPDT with Magnetic Blow-Out
PR-3	30211F100, W199X14	110 VDC DPDT
PR-4	30211F1M0, PRD11YDHO, W199BX14	110 VDC DPDT with Magnetic Blow-Out
PR-6	30211Q100, PRD11AY0, W199AX13	24 VAC DPDT
PR-5	30211P100	12 VAC DPDT
PR-1	W199X12	12 VDC DPDT
DRP-13	PRD11DHO-12	12 VDC DPDT with Magnetic Blow-Out
PR-2	30211C100, W199X13	24 VDC DPDT
DRP-5A	PRD11DHO	48 VDC DPDT with Magnetic Blow-Out
DRP-2	PRD11YDO, 199X18	48 VDC DPDT



PR-7



PR-1



DRP-5A

Sockets for "Ice Cube" Plug-In Relays & Timers

S.E.E.S. #	O.E.M. #	Description
PR-86	670-0002, S156-4SL10, S158-25L10	4 Pole, Solder Lug, .125 Short Terminal, .187 Solder Ground Lug
PR-87	670-0003, S156-4PC10, S158-2PC10	4 Pole, .200 Printed Circuit Terminal, .187 Solder Type Ground Lug
PR-88	670-0014, S156-4PC00, S1582PC00	4 Pole, .200 Printed Circuit Terminal, No Ground Lug
PR-89	670-01204	Pole, Surface Mount, screw terminal socket with closed back construction. The front mounted 6-32 screw terminals will accept wires up to 14 AWG.



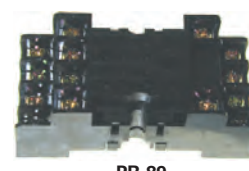
PR-86



PR-87



PR-88



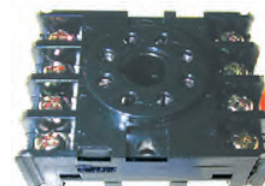
PR-89

Sockets for Plug-In Relays & Timers

S.E.E.S. #	O.E.M. #	Description
PR-90	670-0126	10 Amp, 11 Pin Octal, Screw Base
PR-91	670-0127	10 Amp, 8 Pin Octal, Screw Base
PR-92	670-0009	3 Pole, 300 VAC, Solder Lug Terminal
PR-93	670-0012	3 Pole, 3/16" Quick Connect Terminal, PC Terminal
PR-32	670-0125	3 Pole, Screw Terminal Base, 15 Amp, The front mounted 6-32 screw terminals will accept wires up to 14 AWG.
PR-32A	9952007	Relay Socket, DIN Rail Mount, Screw Terminals
PR-94	670-0013	3 Pole, PC Terminal with Mounting Ears, 15 Amp



PR-90



PR-91



PR-32



PR-94



PR-92



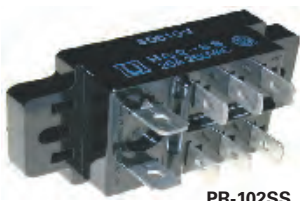
PR-93



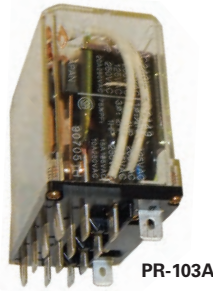
PR-32A



Relays



PR-102SS



PR-103A



PR-103S



PR-103SS



PR-104



PR-120



PR-130



ORP-45

S.E.E.S. #	O.E.M. #	Description
PR-102SS	HG2-SS	Socket , solder terminal for DP relay
PR-103A	HG4-AC240	Relay , 4 PDT 20 Amp, 240 VAC
PR-103B	HG4-DC110	Relay , 4 PDT 20 Amp, 110 VDC
PR-103S	HG4-SF	Socket , surface mount for 4P relay
PR-103SS	HG4-SS	Socket , solder terminal for 4P relay
PR-103S-A		Relay Socket , 2 Pole DIN Mounting, Screw Terminals
PR-104	HC4-H-AC115V	Relay , 4 PDT, 5 Amp, 115 VAC
PR-104A	HC4-H-AC240V	Relay , 4 PDT, 5 Amp, 240 VAC
PR-104B	HC4-H-DC110V	Relay , 4 PDT, 5 Amp, 110 VDC
PR-114	9953723, LY4N-DC24	Relay , 4 PDT, 24 VDC
PR-120	9783398, LY2-DC24	Relay , 2 PDT 24 VDC 15 AMP
PR-130	AAA638AE6	Relay , 280A
ORP-45	VC15-2A2B-AC	Relay , 120 VAC, 2 N.O. & 2 N.C.
ORP-45A	VC15-3A1B-AC	Relay , 120 VAC, 3 N.O. & 1 N.C.
ORP-45B	VC15-4A-AC	Relay , 120 VAC, 4 N.O.

Switches



GLS-001



GLS-004



MIS-181



MIS-181B



MIS-181B-A

Magnetic and Limit Switches

S.E.E.S. #	O.E.M. #	Description
GLS-001	SW16-0001N	Switch , LD Limit, 2 N.C. Contacts
GLS-002	SW5-0020N	Switch , "LSO" Limit, 1 N.O. Contact
GLS-003	SW4-0002N	Switch , "LTD" Limit, 1 NO/1NC Contact
GLS-004	SW4-0001N	Switch , "LTS" Limit, 1 N.O. Contact
GLS-005	SW5-0003N	Switch , "LS" Limit, 1 N.C. Contact, Manual Reset
MCE-003	SND4118-SL-A	Limit Switch , 1 N.O. / 1 N.C. with Roller
MIS-181	MV-4C	Magnetic Leveling Switch , 1 N.C., 1 N.O.
MIS-181B	LS-1, LS-1B	Limit Switch with Roller, 1 N.O., 1 N.C.
MIS-181B-A		Roller , Replacement for MIS-181B switch
MIS-181C	MV-4D, 2569AD	Magnetic Leveling Switch Double unit, (replaces MV-3 switch) 230 VDC-330 VAC, 2 N.O. 2N.C.
MIS-181E		Prox Leveling Sensor , 90-250 ANC L.H. Side Sensing, 2 Wire

Switches

Magnetic and Limit Switches

S.E.S. #	O.E.M. #	Description
MIS-181F		Limit Switch, Universal 2 N.C. Contacts 1.97" diameter Roller
MIS-181G	D4C-1620	Limit Switch, SPDT, Snap Act Self Reset, 5A 250 VAC
MIS-181J	534-351	Limit Switch, 534-351 600V 10A NEMA 4/12
MIS-181K		Limit Switch, Water Tight
MIS-181L		Limit Switch, N.C. Contact
MIS-184A	PMR-1	Magnetic Switch, 1 N.O., 1 N.C. 250 WATT rating to 120VAC/DC
MIS-184B		Magnetic Leveling Switch, SPDT 1A 250 VDC, 18" flying leads
MIS-202A	852050003	Replacement Roller, 1-1/2" O.D. 5/16" thick, 1/4" I.D. for General Elevator Limit Switch GLS-1
MCE-003		Limit Switch, 1 NO / 1 NC with Roller
SJSW-1		Autonics Inductive Proximity Sensor

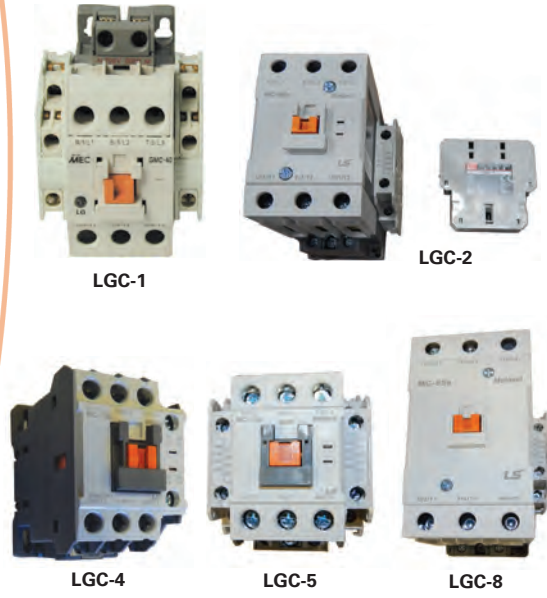




Contactors and Thermal Overload Relays



Contactors



S.E.E.S. #	O.E.M. #	Description
LGC-1		Contactor , 10 HP 230 VAC coil, 40 AMP
LGC-2		Contactor , 20 HP 230 VAC coil, 65 AMP
LGC-3		Contactor , 30 HP 230 VAC coil, 85 AMP
LGC-4	GMC-18-120 VAC	Contactor , 3 HP, 120 VAC coil, 18 AMP
LGC-5	GMC-32-120 VAC	Contactor , 7.5 HP, 120 VAC coil, 32 AMP
LGC-6		Contactor , 10 HP, 120 VAC coil, 40 AMP
LGC-7	GMC-65-120 VAC	Contactor , 20 HP, 120 VAC coil, 65 AMP
LGC-8		Contactor , 30 HP, 120 VAC coil, 85 AMP
LGC-9		Contactor , 40 HP, 110/120 VAC coil, 125 AMP
LGC-10		Contactor , 60 HP, 100/240 VAC coil, 100 AMP
LGC-11		Contactor , 50/100 HP, 100 VAC, #4, 150 AMP
LGC-13		Contactor , 75/150 HP, 100-240 VAC, #4++, 220AMP
LGC-15		Contactor Relay , 4Pole NC 220 VDC, 16 AMP
LGRC-01	GMC-22R-120 VAC	Contactor , Reversing 22A 120 VAC
PR-113	GMC-18R-208 VAC	Contactor , Reversing, 18A, 208 VAC
LGRS-12	9778433	Contactor , Reversing, 22A, 48 VDC, for door operator



DC Contactors

S.E.E.S. #	O.E.M. #	Description
LGD-1	GMD-12-220 VDC COIL	DC Contactor , 20 AMP AC 220-230 VDC
LGD-2	GMD-85-110VDC COIL	Coil , 85 AMP AC with 110 VDC contactor
LGD-3	GMD-22-110VDC COIL	Contactor , 3 Pole 110 VDC Coil 7.5 Hp 22 AMP
LGD-3A		Contactor , 3 Pole 48 VDC Coil 22 AMP
LGD-4	GMD-22/R-48VDC	Contactor , 3 Pole Rev., 22 AMP, 48 VDC



Starter Sets

S.E.E.S. #	Description
LGS-1-1	Size 1++, 208 V 34 AMP
LGS-2-1	Size 1++, 120 V 28-40 AMP
LGS-3-1	Size 1++, 240 V 28-40 AMP
S.E.E.S. #	Description
LGS-4-1	Size 2, 120 V 34-50 AMP
LGS-5-1	Size 2, 208 V 34-50 AMP
LGS-6-1	Size 2, 240 V 34-50 AMP

Starter Sets

S.E.E.S. # Description

LGS-7-1	Size 2+, 120V 54-75 AMP
LGS-8-1	Size 2+, 208V 54-75 AMP
LGS-9-1	Size 2+, 240V 54-75 AMP
LGS-10-1	Size 2+, 480V 54-75 AMP



LGS-7-1



LGS-9-1

S.E.E.S. # Description

LGS-11-1	Size 3, 120V, 63-85 AMP
LGS-12-1	Size 3, 208V, 63-85 AMP
LGS-13-1	Size 3, 240V, 63-85 AMP
LGS-14-1	Size 3, 480V, 63-85 AMP



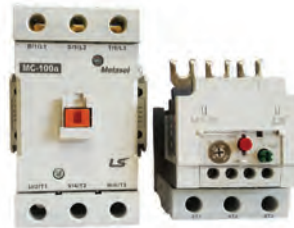
LGS-11-1



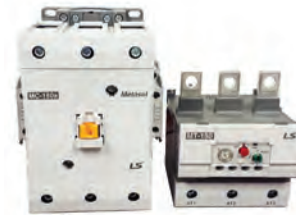
LGS-14-1

S.E.E.S. # Description

LGS-15-1	Size 3+, 120 VAC, 100 AMP
LGS-15A-1	Size 3+, 240 VAC, 100 AMP



LGS-15-1



LGS-16-1

S.E.E.S. # Description

LGS-17-1	Size 3++, 120 VAC, 125 AMP
LGS-17A-1	Size 3++ 240 VAC, 125 AMP



LGS-16A-1



LGS-17-1

S.E.E.S. # Description

LGS-16-1	Size 4, 120 VAC, 150 AMP
LGS-16A-1	Size 4, 240 VAC, 150 AMP

S.E.E.S.# Description

LGS-18-1	Size 4, 120 VAC Coil, 180 AMP
LGS-18A-1	Size 4, 240 VAC Coil, 180 AMP
LGS-19-1	Size 4+, 120 VAC Coil, 120 AMP
LGS-19A-1	Size 4+, 240 VAC Coil, 220 AMP
LGS-20-1	Size 5, 120 VAC Coil, 300 AMP
LGS-20A-1	Size 5, 240 VAC Coil, 300 AMP

Low cost, quality alternative for starter replacement!



Reversing Starter Sets

S.E.E.S. # Description

LGRS-10	Size 0 24 VAC Coil, 16-22 AMP
LGRS-1	Size 1+ 240 VAC, 28-40 AMP
LGRS-2	Size 2 120 VAC, 34-50 AMP
LGRS-3	Size 2 240 VAC, 34-50 AMP
LGRS-4	Size 2+ 120 VAC, 54-75 AMP
LGRS-5	Size 2+ 240 VAC, 54-75 AMP
LGRS-6	Size 3 240 VAC, 63-85 AMP
LGRS-7	Size 3 120 VAC, 63-85 AMP
LGRS-8	Size 3+ 100-240 VAC, 100 AMP
LGRS-9	Size 3++ 110-240V Coil, 85-125A
LGRS-9A	Size 3++ 85-125 AMP, 110 VAC Coil
LGRS-9B	Size 3++ 85-125 AMP, 220 VAC Coil
LGRS-11A	Size 4 120 VAC, 150 AMP
LGRS-11B	Size 4 240 VAC, 150 AMP



LGRS-1



LGRS-3A



LGRS-4



LGRS-7



LGRS-8A



LGRS-11A

S.E.E.S. # Description

LGRS-1B	Mounting Plate for Reversing Starter for LGRS-1 thru LGRS-8
LGRS-1C	Mounting Plate for Reversing Starter for LGRS-9 & 11



Contactors and Thermal Overload Relays



LGAX-3

LGAX-5

LGAX-7



LGAX-8

LGAX-9

LGAX-10



LGAX-11
(FRONT/SIDE VIEW)



LG-10



LGC-C16



LGC-C17



LGC-C15

Auxiliary Contact Blocks

S.E.E.S. #	Description
LGAX-1	Auxiliary Contact Block, 1 pole, 1 N.O. / 1 N.C.
LGAX-2	Auxiliary Contact Block, 4 pole, 4 N.O.
LGAX-3	Auxiliary Contact Block, 4 pole, 2 N.O. / 2 N.C.
LGAX-4	Auxiliary Contact Block, 2 pole, 2 N.C.
LGAX-5	Auxiliary Contact Block, 2 pole, 2 N.O.
LGAX-6	Auxiliary Contact Block, 2 pole, 1 N.O. / 1 N.C.

S.E.E.S. #	O.E.M.#	Description
LGAX-7	AU-100 AUX CONTACT	Auxiliary Contact Block, 1 N.C. & 1 N.O., for GMC-100
LGAX-8	AU-4 3 N.O. 1 N.C.	Auxiliary Contact Block, 3 N.C. & 1 N.O.
LGAX-9	AU-4 4N.C.	Auxiliary Contact Block, 3 N.C. & 1 N.O.
LGAX-10	AU-4 3 N.C. 1 N.O	Auxiliary Contact Block, 3 N.C. & 1 N.O.
LGAX-11	AU-4 2 N.O 2 N.C.	Auxiliary Contact Block, 2 N.C. & 2 N.O.

Coils

S.E.E.S. #	Description
LGC-C1	Coil, 120 VAC for LGS-1, 2, 3
LGC-C2	Coil, 208 VAC for LGS-1, 2, 3
LGC-C3	Coil, 220 VAC for LGS-1, 2, 3
LGC-C5	Coil, 440 VAC for LGS-1, 2, 3
LGC-C6	Coil, 120 VAC for LGS-4 thru LGS-14
LGC-C7	Coil, 208 VAC for LGS-4 thru LGS-14
LGC-C10	Coil, 440 VAC for LGS-4 thru LGS-14
LGC-C12	Coil, 110 VDC for ARP-62
LGC-C13	Coil, 110 VDC for ARP-63
LGC-C14	Coil, 24 VAC for LGRS-10
LGC-C16	Coil, 125 VDC for GMD 9-40 Contactors
LGC-C17	Coil, 125 VDC for GMD 50-85 Contactors

S.E.E.S. #	O.E.M. #	Description
LGC-10	GMC-9-40 24 VAC COIL	Coil, GMC-9-40 24 VAC
LGC-C15	GMCO100/150-100-240 VAC	DC Contactor, 100-240 VAC, for GMC-100 >150

Mechanical Interlocks

S.E.E.S. #	Description
LGIL-1	Mechanical Interlock for LGRS-1 thru LGRS-8
LGIL-2	Mechanical Interlock for LGRS-9 & LGRS-11

Contactors and Thermal Overload Relays



Overload Adaptors

S.E.E.S. #	Description
LG0A-1	Din Rail Overload Adaptor for LGOL-1
LG0A-2	Din Rail Overload Adaptor for LGOL-3, 4

S.E.E.S. #	O.E.M. #	Description
LGOL-1	GTK-40/28-40A	Overload Relay, 40, 28-40 AMP ADJ
LGOL-4	GTK-85/63-85A	Overload Relay, 85, 63-85 AMP ADJ
LGOL-5	GTK-100/65-100A	Overload Relay, 100, 65-100 AMP ADJ
LGOL-6	GTK-150/100-150A	Overload Relay, 150, 100-150 AMP



LG0A-2

Starters with Mounting Kit

S.E.E.S. #	Description
LGS-9D	LGS-9 with Din Rail Kit, Size 2+

Digital Motor Protection Relay

S.E.E.S. #	Description
LGM-1	Digital Motor Protection Relay, 5-60amp
PR-131	Overload Relay, 3P 10.5 - 15 A, Class 10
PR-131A	Relay, Socket



LGOL-6

Motor Couplings

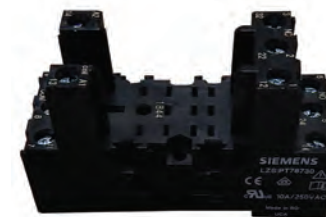
S.E.E.S. #	Description
LGMC-001A	LG Motor Coupling Shaft Assy w/ Bushing
LGMC-001	Motor Coupling only, 69mm OD x 30mm ID x 22mm Tk 80 Duro Urethane



PR-131

IGBT Blocks

S.E.E.S. #	Description
L-IGBT-2	IGBT Block # CM200-DY24A
L-IGBT-3	IGBT Block # CM100E3Y-24NF
L-CS-1	Hall, Current Sensor, HC-WT100V4B15
L-CS-1-CABLE	Cable for L-CS-1



PR-131A

SPRECHER + SCHUH

Coils

S.E.E.S. #	Description
TA296	Coil, 208-240 VAC, 60Hz, fits CA7-9
TA475	Coil, 440 VAC, 50Hz, 480 VAC, 60Hz
TA733	Coil, 110 VDC, fits CA7-9
TA851	Coil, 230V
TA855	Coil, 24 VAC, 50/60Hz, fits CA 7-9
TA860	Coil, 48 VAC, 50/60Hz, fits CA7-9



TA296



TA851

SPRECHER + SCHUH

Catalog Number Coding

Sprecher+Schuh employs a catalog number coding system for contactors (and many other devices) that follows a logical pattern, where every digit signifies a specific device attribute. Where indicated, the use of dashes (-) serves to separate device characteristics and should always be used when ordering.

The following example illustrates some of the possible combinations when specifying contactors and reversing contactors.

XX	XXX	XX	XXX																																																								
Configuration	Contactor Series Currents	Auxiliary Contacts	Coil Code																																																								
CA Contactor CAU Reversing Contactors CAT Motor Starter CAUT Reversing Motor Starter	<table border="1"> <thead> <tr> <th>Series CA7</th> <th>Series CA6</th> </tr> </thead> <tbody> <tr><td>9</td><td>115</td></tr> <tr><td>12</td><td>140</td></tr> <tr><td>16</td><td>180</td></tr> <tr><td>23</td><td>210</td></tr> <tr><td>30</td><td>250</td></tr> <tr><td>37</td><td>300</td></tr> <tr><td>55</td><td>420</td></tr> <tr><td>43</td><td>630</td></tr> <tr><td>60</td><td>860</td></tr> <tr><td>72</td><td></td></tr> <tr><td>85</td><td></td></tr> <tr><td>97</td><td></td></tr> </tbody> </table>	Series CA7	Series CA6	9	115	12	140	16	180	23	210	30	250	37	300	55	420	43	630	60	860	72		85		97		-10 N.O. Auxiliary -01 N.C. Auxiliary -11 N.O. & N.C. Auxiliary -00 No Auxiliaries 4-pole CA7 -M40 4 N.O. Power Poles -M31 3 N.O. Power Poles/ 1 N.C. Power Pole -M22 2 N.O. Power Poles/ 2 N.C. Power Pole	<table border="1"> <thead> <tr> <th>AC</th> <th>DC</th> </tr> </thead> <tbody> <tr><td>24Z</td><td>12E, 12DD</td></tr> <tr><td>120</td><td>24E, 24DD</td></tr> <tr><td>208</td><td>24W</td></tr> <tr><td>220W</td><td>36E</td></tr> <tr><td>240</td><td>48E, 48DD</td></tr> <tr><td>277</td><td>110E, 110DD</td></tr> <tr><td>380</td><td>220E, 220DD</td></tr> <tr><td>480</td><td></td></tr> <tr><td>600</td><td></td></tr> <tr> <th>DC</th> <td></td> </tr> <tr><td>24W</td><td></td></tr> <tr><td>48W</td><td></td></tr> <tr><td>120W</td><td></td></tr> <tr><td>480W</td><td></td></tr> </tbody> </table>	AC	DC	24Z	12E, 12DD	120	24E, 24DD	208	24W	220W	36E	240	48E, 48DD	277	110E, 110DD	380	220E, 220DD	480		600		DC		24W		48W		120W		480W	
Series CA7	Series CA6																																																										
9	115																																																										
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16	180																																																										
23	210																																																										
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208	24W																																																										
220W	36E																																																										
240	48E, 48DD																																																										
277	110E, 110DD																																																										
380	220E, 220DD																																																										
480																																																											
600																																																											
DC																																																											
24W																																																											
48W																																																											
120W																																																											
480W																																																											

9AMP Contactors

S.E.E.S. #	Description
CA7-9-10-120	9 AMP 120 VAC 1 N.O.
CA7-9-01-120	9 AMP 120 VAC 1 N.C.
CA7-9-10-220W	9 AMP 220 VAC 1 N.O.
CA7-9-01-220W	9 AMP 220 VAC 1 N.C.
CA7-9-10-480	9 AMP 480 VAC 1 N.O.
CA7-9-01-480	9 AMP 480 VAC 1 N.C.
CA7-9-M31-208	9 AMP 208V Coil 3 N.O. & 1 N.C.
CA7-9E-10-24E	9 AMP 24 VDC 1 N.O.
CA7-9E-01-24E	9 AMP 24 VDC 1 N.C.
CA7-9E-10-110E	9 AMP 110 VDC 1 N.O.
CA7-9E-01-110E	9 AMP 110 VDC 1 N.C.

9AMP Reversing Contactors

S.E.E.S. #	Description
CAU7-9-22-120	Reversing Contactor, 9A, 2 N.O. 2 N.C., 120V
CAU7-9-22-220W	Reversing Contactor, 9A, 2 N.O. 2 N.C., 220W

12AMP Contactors

S.E.E.S. #	Description
CA7-12-10-24Z	12 AMP 24 VAC 1 N.O.
CA7-12-10-120	12 AMP 120 VAC 1 N.O.
CA7-12-01-120	12 AMP 120 VAC 1 N.C.
CA7-12-10-220W	12 AMP 220 VAC 1 N.O.
CA7-12-01-220W	12 AMP 220 VAC 1 N.C.
CA7-12-10-480	12 AMP 480 VAC 1 N.O.
CA7-12-01-480	12 AMP 480 VAC 1 N.C.
CA7-12E-10-24E	12 AMP 24 VDC 1 N.O.
CA7-12E-01-24E	12 AMP 24 VDC 1 N.C.
CA7-12E-10-110E	12 AMP 110 VDC 1 N.O.
CA7-12E-01-110E	12 AMP 110 VDC 1 N.C.

12AMP Reversing Contactors

S.E.E.S. #	Description
CAU7-12E-22-110E	12 AMP 110 VDC 2 N.O. & 2 N.C.
CAU7-12E-22-24E	12 AMP 24 VDC 2 N.O. & 2 N.C.
CAU7-12E-22-36E	12 AMP 36 VDC 2 N.O. & 2 N.C.



Small Block Reverser



CA7-12-01-120

16AMP Contactors

S.E.E.S. #	Description
CA7-16-10-120	16 AMP 120 VAC 1 N.O.
CA7-16-01-120	16 AMP 120 VAC 1 N.C.
CA7-16-10-220W	16 AMP 220 VAC 1 N.O.
CA7-16-01-220W	16 AMP 220 VAC 1 N.C.
CA7-16-10-480	16 AMP 480 VAC 1 N.O.
CA7-16-01-480	16 AMP 480 VAC 1 N.C.
CA7-16E-10-24E	16 AMP 24 VDC 1 N.O.
CA7-16E-01-24E	16 AMP 24 VDC 1 N.C.
CA7-16E-10-48E	16 AMP 48 VDC 1 N.O.
CA7-16E-10-110E	16 AMP 110 VDC 1 N.O.
CA7-16E-01-110E	16 AMP 110 VDC 1 N.C.
CA7-16E-01-110E	16 AMP 110 VDC 3 N.O. & 1 N.C.



CA7-16-01-220W

30AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-30-120-EFD	30 AMP 120 VAC, no aux contacts
CAUT7-30-220W-EFD	30 AMP 220 VAC, no aux contacts
CAUT7-30-480-EFD	30 AMP 480 VAC, no aux contacts
CAUT7-30E-24E-EFD	30 AMP 24 VDC, no aux contacts
CAUT7-30E-110E-EFD	30 AMP 110 VDC, no aux contacts



CAT7-30-480-EFD

23AMP Contactors

S.E.E.S. #	Description
CA7-23-10-24	23 AMP 24 VAC 1 N.O.
CA7-23-10-120	23 AMP 120 VAC 1 N.O.
CA7-23-01-120	23 AMP 120 VDC 1 N.C.
CA7-23-10-220W	23 AMP 220 VAC 1 N.O.
CA7-23-01-220W	23 AMP 220 VAC 1 N.C.
CA7-23-10-480	23 AMP 480 VAC 1 N.O.
CA7-23-01-480	23 AMP 480 VAC 1 N.C.
CA7-23E-10-24E	23 AMP 24 VDC 1 N.O.
CA7-23E-01-24E	23 AMP 24 VDC 1 N.C.
CA7-23E-10-110E	23 AMP 110 VDC 1 N.O.
CA7-23E-01-110E	23 AMP 110 VDC 1 N.C.

23AMP Reversing Contactor

S.E.E.S. #	Description
CAU7-23E-22-110E	23 AMP 110 VDC 2 N.O. & 2 N.C.

30AMP Contactors

S.E.E.S. #	Description
CA7-30-00-120	30 AMP 120 VAC no aux contacts
CA7-30-00-220W	30 AMP 220 VAC no aux contacts
CA7-30-00-480	30 AMP 480 VAC no aux contacts
CA7-30E-00-24E	30 AMP 24 VDC no aux contacts
CA7-30E-00-110E	30 AMP 110 VDC no aux contacts
CA7-30E-00-220E	30 AMP 220 VDC no aux contacts
CA7-30-00-120-L22	30 AMP 120 VAC Plus Aux, 2 N.O. & 2 N.C.

30AMP Starters

S.E.E.S. #	Description
CAT7-30-120-EFD	30 AMP 120 VAC, no aux contacts
CAT7-30-220W-EFD	30 AMP 220 VAC, no aux contacts
CAT7-30-480-EFD	30 AMP 480 VAC, no aux contacts
CAT7-30E-24E-EFD	30 AMP 24 VDC, no aux contacts
CAT7-30E-110E-EFD	30 AMP 110 VDC, no aux contacts



CA7-30E-00-110E



Block Contactor



Block Reverser

37AMP Contactors

S.E.E.S. #	Description
CA7-37-00-120	37 AMP 120 VAC no aux contacts
CA7-37-00-220W	37 AMP 220 VAC no aux contacts
CA7-37-00-480	37 AMP 480 VAC no aux contacts
CA7-37E-00-24E	37 AMP 24 VDC no aux contacts
CA7-37E-00-110E	37 AMP 110 VDC no aux contacts
CA7-37-10-120	37 AMP, FVNR, 3 Pole, 1 N.O.

37AMP Starters

S.E.E.S. #	Description
CA7-37-120-EFD	37 AMP 120 VAC 9-45A, no aux contacts
CA7-37-220W-EFD	37 AMP 220 VAC 9-45A, no aux contacts
CA7-37-480-EFD	37 AMP 480 VAC 9-45A, no aux contacts
CA7-37E-24E-EFD	37 AMP 24 VDC 9-45A, no aux contacts
CA7-37E-110E-EFD	37 AMP 110 VDC 9-45A, no aux contacts

37AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-37-120-EFD	37 AMP 120 VAC, no aux contacts
CAUT7-37-220W-EFD	37 AMP 220 VAC, no aux contacts
CAUT7-37-480-EFD	37 AMP 480 VAC, no aux contacts
CAUT7-37E-24E-EFD	37 AMP 24 VDC, no aux contacts
CAUT7-37E-110E-EFD	37 AMP 110 VDC, no aux contacts



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43AMP Contactors

S.E.E.S. #	Description
CA7-43-00-120	43 AMP 120 VAC no aux contacts
CA7-43-00-220W	43 AMP 220 VAC no aux contacts
CA7-43-00-480	43 AMP 480 VAC no aux contacts
CA7-43E-00-24E	43 AMP 24 VDC no aux contacts
CA7-43E-00-110E	43 AMP 110 VDC no aux contacts

43AMP Starters

S.E.E.S. #	Description
CAT7-43-120-EFD	43 AMP 120 VAC 9-45A, no aux contacts
CAT7-43-220W-EFD	43 AMP 220 VAC 9-45A, no aux contacts
CAT7-43-480-EFD	43 AMP 480 VAC 9-45A, no aux contacts
CAT7-43E-24E-EFD	43 AMP 24 VDC 9-45A, no aux contacts
CAT7-43E-110E-EFD	43AMP 110 VDC 9-45A, no aux contacts

43AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-43-120-EFD	43 AMP 120 VAC 9-45A, no aux contacts
CAUT7-43-220W-EFD	43 AMP 220 VAC 9-45A, no aux contacts
CAUT7-43-220W-MH	43 AMP 220 VAC Coil
CAUT7-43-480-EFD	43 AMP 480 VAC 9-45A, no aux contacts
CAUT7-43E-24E-EFD	43 AMP 24 VDC 9-45A, no aux contacts
CAUT7-43E-110E-EFD	43 AMP 110 VDC 9-45A, no aux contacts

55AMP Reversing Contactor

S.E.E.S. #	Description
CAU7-55-22-120	55 AMP 110 VDC 2 N.O. 2 N.C.

60AMP Contactors

S.E.E.S. #	Description
CA7-60-00-110D	60 AMP 110 VDC coil, 3 pole
CA7-60-00-120	60 AMP 120 VAC no aux contacts
CA7-60-00-220W	60 AMP 220 VAC no aux contacts
CA7-60-00-480	60AMP 480 VAC no aux contacts
CA7-60D-00-24DD	60 AMP 24 VDC no aux contacts
CA7-60D-00-110DD	60 AMP 110 VDC no aux contacts

60AMP Starters

S.E.E.S. #	Description
CAT7-60-120-EGE	60 AMP 120 VAC 18-90A, no aux contacts
CAT7-60-220W-EGE	60AMP 220 VAC 18-90A, no aux contacts
CAT7-60-220W-EGE-L22	60A MAG MOTOR STARTER with 120V-C
CAT7-60-480-EGE	60AMP 480 VAC 18-90A, no aux contacts
CAT7-60D-24DD-EGE	60AMP 24 VDC 18-90A, no aux contacts
CAT7-60D-110DD-EGE	60AMP 110 VDC 18-90A, no aux contact

60AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-60-120-EGE	60 AMP 120 VAC, no aux contacts
CAUT7-60-220W-EGE	60 AMP 220 VAC, no aux contacts
CAUT7-60-480-EGE	60 AMP 480 VAC, no aux contacts
CAUT7-60D-24DD-EGE	60 AMP 24 VDC, no aux contacts
CAUT7-60D-110DD-EGE	60 AMP 110 VDC, no aux contacts

72AMP Contactors

S.E.E.S. #	Description
CA7-72-00-120	72 AMP 120 VAC no aux contacts
CA7-72-00-220W	72 AMP 220 VAC no aux contacts
CA7-72-00-480	72 AMP 480 VAC no aux contacts
CA7-72D-00-24DD	72 AMP 24 VDC no aux contacts
CA7-72D-00-110DD	72 AMP 110 VDC no aux contacts

72AMP Starters

S.E.E.S. #	Description
CAT7-72-120-EGE	72 AMP 120 VAC 18-90A, no aux contacts
CAT7-72-220W-EGE	72 AMP 220 VAC 18-90A, no aux contacts
CAT7-72-480-EGE	72 AMP 480 VAC 18-90A, no aux contacts
CAT7-72D-24DD-EGE	72 AMP 24 VDC 18-90A, no aux contacts
CAT7-72D-110DD-EGE	72 AMP 110 VDC 18-90A, no aux contacts

72AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-72-120-EGE	72 AMP 120 VAC 18-90A, no aux contacts
CAUT7-72-220W-EGE	72 AMP 220 VAC 18-90A, no aux contacts
CAUT7-72-480-EGE	72 AMP 480 VAC 18-90A, no aux contacts
CAUT7-72D-24DD-EGE	72 AMP 24 VDC 18-90A, no aux contacts
CAUT7-72D-110DD-EGE	72 AMP 110 VDC 9-45A, no aux contacts

85AMP Contactors

S.E.E.S. #	Description
CA7-85-00-120	85 AMP 120 VAC no aux contacts
CA7-85-00-220W	85 AMP 220 VAC no aux contacts
CA7-85-00-480	85 AMP 480 VAC no aux contacts
CA7-85D-00-24DD	85 AMP 24 VDC no aux contacts
CA7-85D-00-110DD	85 AMP 110 VDC no aux contacts
CA7-85D-00-110DD-L22	85 A 3 POLE 120 DC 2 N.O., 2 N.C.



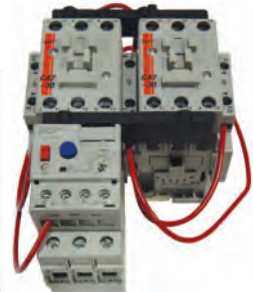
CAT7-72-220W



CA7-43-00-220W



CA7-60-00-120



CA7-85-00-220W

85AMP Starters

S.E.E.S. #	Description
CA7-85-120-EGE	85 AMP 120 VAC, no aux contacts
CA7-85-220W-EGE	85 AMP 220 VAC, no aux contacts
CA7-85-480-EGE	85 AMP 480 VAC, no aux contacts
CA7-85D-24DD-EGE	85 AMP 24 VDC, no aux contacts
CA7-85D-110DD-EGE	85 AMP 110 VDC, no aux contacts

85AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-85-120-EGE	85 AMP 120 VAC, no aux contacts
CAUT7-85-220W-EGE	85 AMP 220 VAC, no aux contacts
CAUT7-85-480-EGE	85 AMP 480 VAC, no aux contacts
CAUT7-85D-24DD-EGE	85 AMP 24 VDC, no aux contacts
CAUT7-85D-110DD-EGE	85 AMP 110 VDC, no aux contacts

Auxiliary Contacts & Accessories

S.E.E.S. #	Description
CA7-PA-10	N.O. side mount auxiliary (13-14 / 43-44)
CA7-PA-01	N.C. side mount auxiliary (21-22 / 31-32)
CA7-PA-11	Auxiliary contact , side mount 1 N.O. 1 N.C.
CA7-PV-L11	Top mount auxiliary (13-14 21-22), 1EM / 1LB
CA7-PV-22	2 N.O. / 2 N.C. Top mount auxiliary
CA7-PV-02	2 N.C. Top mount auxiliary (11-12 21-22)
CA8-PO4	Auxiliary contact
CS7-PV-11	Control Relay , 2 POLE 1 N.O. 1 N.C.
CS7-PV-13	Control Relay , 4 POLE 1 N.O. 3 N.C.
CS7-PV-20	2 N.O. Top mount auxiliary (53-54/63-64)
CS7-PV-22	Control Relay , 4 POLE 2 N.O. 2 N.C.
CS7-PV-40	4 N.O. Top mount auxiliary
CS7-PV-04	4 N.C. Top mount auxiliary
CS7-40E-120	Control Relay , 4 POLE 4 N.O. 120 VAC
CM7-02	Mechanical interlink with 2NC auxiliary contacts
CM8	Interlock
CRD8-250	Surge Suppressor
CA8-09C-01-24D	Relay , 9A - 24 VDC - 1NC - DIN Rail

Overload Relays

S.E.E.S. #	Description
CEP7-EPE	Overload Relay , Adaptor Din Rail
CEP7-EEFD	Overload Relay
CEP7-EEGE	Overload Relay , Adj 18-90A For CA7-60 thru -85 contactors
CEP7-EEHF	Overload Relay , Solid State, Adj 30-150 AMPS, for CA6-115 thru -140
CEP7A32-5-20	Overload Relay , 1.6-5A, 3PH, (CA4 and CA7-9-23)
CEP7-M32-2.9-10	Overload Relay , 1.0-2.9A, 3PH, (CA4 and CA7-9-23)
CEP7-M32-32-10	Overload Relay , 12.32A, 3PH, (CA4 and CA7-9-23)
CEP7-M32-5-10	Overload Relay , 1.6-5.0A, 3PH, (CA4 and CA7-9-23)
CEP7-M37-37-10	Overload Relay , 12-37A, 3PH, (CA4 and CA7-30-37)
CEP7-M45-45-10	Overload Relay , 14-45A, 3PH, (CA4 and CA7-43)
CEP7-M85-85-10	Overload Relay , 26-85A, 3PH, (CA4 and CA7-60-85)
CEP7S-EEUE	Overload Relay , 1PH AUTO/MAN 18-90A

97AMP Contactors

S.E.E.S. #	Description
CA7-97-00-120	97 AMP 120 VAC no aux contacts
CA7-97-00-220W	97 AMP 220 VAC no aux contacts
CA7-97-00-480	97 AMP 480 VAC no aux contacts
CA7-97D-00-24DD	97 AMP 24 VDC no aux contacts
CA7-97D-00-110DD	97 AMP 110 VDC no aux contacts
CA7-97-10-220W	97 AMP 220 Coil, 1 N.O.

97AMP Starters

S.E.E.S. #	Description
CA7-97-120-EVE	97 AMP 120 VAC 60-120A, no aux contacts
CA7-97-220W-EVE	97 AMP 220 VAC 60-120A, no aux contacts
CA7-97-480-EVE	97 AMP 480 VAC 60-120A, no aux contacts
CA7-97D-24DD-EVE	97 AMP 24 VDC 60-120A, no aux contacts
CA7-97D-110DD-EVE	97 AMP 110 VDC 60-120A, no aux contacts

97AMP Reversing Starters

S.E.E.S. #	Description
CAUT7-97-120-EVE	97 AMP 120 VAC, no aux contacts
CAUT7-97-220W-EVE	97 AMP 220 VAC, no aux contacts
CAUT7-97-480-EVE	97 AMP 480 VAC, no aux contacts
CAUT7-97D-24DD-EVE	97 AMP 24 VDC, no aux contacts
CAUT7-97D-110DD-EVE	97 AMP 110 VDC, no aux contacts





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115AMP Contactors

S.E.E.S. #	Description
CA6-115-11-120B	115 AMP 120 VAC 1 N.O., 1 N.C.
CA6-115-11-220W	115 AMP 220 VAC 1 N.O., 1 N.C.
CA6-115-11-480	115 AMP 480 VAC 1 N.O., 1 N.C.
CA6-115-L22-24D	115 AMP 24 VDC 2 N.O., 1 N.C., 1late breakNC
CA6-115-L22-110D	115 AMP 110 VDC 2 N.O., 1 N.C., 1late breakNC
CA9-116-11-120W	116 AMP 120 VAC Coil, 1 N.O., 1 N.C.

115AMP Starters

S.E.E.S. #	Description
CAT6-115-120B-EHF	115 AMP 120 VAC 30-150A
CAT6-115-220W-EHF	115 AMP 220 VAC 30-150A
CAT6-115-480-EHF	115 AMP 480 VAC 30-150A
CAT6-115-24D-EHF	115 AMP 24 VDC 30-150A
CAT6-115-110D-EHF	115 AMP 110 VDC 30-150A

115AMP Reversing Starters

S.E.E.S. #	Description
CAUT6-115-120B-EHF	115 AMP 120 VAC 30-150A
CAUT6-115-220W-EHF	115 AMP 220 VAC 30-150A
CAUT6-115-480-EHF	115 AMP 480 VAC 30-150A
CAUT6-115-24D-EHF	115 AMP 24 VDC 30-150A
CAUT6-115-110D-EHF	115 AMP 110 VDC 30-150A

140AMP Contactors

S.E.E.S. #	Description
CA6-140-11-120B	140 AMP 120 VAC 1 N.O., 1 N.C.
CA6-140-11-220W	140 AMP 220 VAC 1 N.O., 1 N.C.
CA6-140-11-480	140 AMP 480 VAC 1 N.O., 1 N.C.
CA6-140-L22-24D	140 AMP 24 VDC 2 N.O., 1 N.C., 1late breakNC
CA6-140-L22-110D	140 AMP 110 VDC 2 N.O., 1 N.C., 1late breakNC
CA6-140-11-220W	140 AMP 220 VAC, 1 N.O., 1 N.C. Aux.

140AMP Starters

S.E.E.S. #	Description
CAT6-140-120B-EHF	140 AMP 120 VAC 30-150A
CAT6-140-220W-EHF	140 AMP 220 VAC 30-150A
CAT6-140-480-EHF	140 AMP 480 VAC 30-150A
CAT6-140-24D-EHF	140 AMP 24 VDC 30-150A
CAT6-140-110D-EHF	140 AMP 110 VDC 30-150A

140AMP Reversing Starters

S.E.E.S. #	Description
CAUT6-140-120B-EHF	140 AMP 120 VAC 30-150A
CAUT6-140-220W-EHF	140 AMP 220 VAC 30-150A
CAUT6-140-480-EHF	140 AMP 480 VAC 30-150A
CAUT6-140-24D-EHF	140 AMP 24 VDC 30-150A
CAUT6-140-110D-EHF	140 AMP 110 VDC 30-150A
CAUT9-146-120W-EHJ	146 AMP 120 VAC

Power Wire Kits

S.E.E.S. #	Description
CAUT7-PW23	Reversing Wiring Kit, 9-23A
CAUT7-PW37	Reversing Wiring Kit, 30-37A
CAUT7-PW43	Reversing Wiring Kit, 43A
CAUT7-PW85	Reversing Wiring Kit, 60-85A

180AMP Contactors

S.E.E.S. #	Description
CA6-180-11-120B	180 AMP 120 VAC 1 N.O., 1 N.C.
CA6-180-11-220W	180 AMP 220 VAC 1 N.O., 1 N.C.
CA6-180-EI-11-220W	180 AMP 220V ELEC Coil, 1 N.O., 1 N.C.
CA6-180-11-240	180 AMP 220 VAC 2 N.O., 2 N.C.
CA6-180-11-480	180 AMP 480 VAC 1 N.O., 1 N.C.
CA6-180-L22-110D	180 AMP 110 VDC 2 NO, 2 NC, 1late breakNC

180AMP Starters

S.E.E.S. #	Description
CAT6-180-120B-EJF	180 AMP 120 VAC 40-200A
CAT6-180-220W-EJF	180 AMP 220 VAC 40-200A
CAT6-180-480-EJF	180 AMP 480 VAC 40-200A
CAT6-180-24D-EJF	180 AMP 24 VDC 40-200A
CAT6-180-110D-EJF	180 AMP 110 VDC 40-200A

180AMP Reversing Starters

S.E.E.S. #	Description
CAUT6-180-120B-EJF	180 AMP 120 VAC 40-200A
CAUT6-180-220W-EJF	180 AMP 220 VAC 40-200A
CAUT6-180-480-EJF	180 AMP 480 VAC 40-200A
CAUT6-180-24D-EJF	180 AMP 24 VDC 40-200A
CAUT6-180-110D-EJF	180 AMP 110 VDC 40-200A

Auxiliary Contacts

S.E.E.S. #	Description
CA9-S1-11	Auxiliary Contact
CA9-S2-11	Auxiliary Contact, 1 N.O. / 1 N.C.

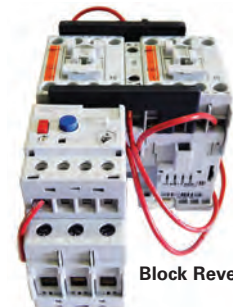


Auxiliary Side

Contactor



Block Starter



Block Reverser

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Solid State

S.E.E.S. #	Description
PCEC-032-600V-120V	S&S Soft Starter 32A 600V 120 VAC Y/D
PCEC-032-600V-230V	S&S Soft Starter 32A 600V 230 VAC Y/D
PCEC-051-600V-120V	S&S Soft Starter 51A 600V 120 VAC Y/D
PCEC-051-600V-230V	S&S Soft Starter 51A 600V 230 VAC Y/D
PCEC-064-600V-120V	S&S Soft Starter 64A 600V 120 VAC Y/D
PCEC-064-600V-230V	S&S Soft Starter 64A 600V 230 VAC Y/D
PCEC-074-600V-120V	S&S Soft Starter 74A 600V 120 VAC Y/D
PCEC-074-600V-230V	S&S Soft Starter 74A 600V 230 VAC Y/D
PCEC-104-600V-120V	S&S Soft Starter 104A 600V 120 VAC Y/D
PCEC-104-600V-230V	S&S Soft Starter 104A 600V 230 VAC Y/D
PCEC-147-600V-120V	S&S Soft Starter 147A 600V 120 VAC Y/D
PCEC-147-600V-230V	S&S Soft Starter 147A 600V 230 VAC Y/D
PCEC-234-600V-120V	S&S Soft Starter 234A 600V 120 VAC Y/D
PCEC-234-600V-230V	S&S Soft Starter 234A 600V 230 VAC Y/D

■ QUIET OPERATION for applications that require NO NOISE. The solution for those problem jobs where starter noise is objectionable.

In Line

S.E.E.S. #	Description
PCS-003-600V	Soft Starter, 3 Wire 3 AMP 600V
PCS-009-600V	Soft Starter, 3 Wire 9A 600V
PCS-016-600V	Soft Starter, 3 Wire 16A 600V
PCS-019-600V	Soft Starter, 3 Wire 20A 600V
PCS-025-600V	Soft Starter, 3 Wire 25A 600V
PCS-037-600V	Soft Starter, 3 wire 37 AMP
PCS-085-600V	Starter, Solid State, 85 AMP
PCS-PA-01	Auxiliary Contact Block, 1-N.C.
PCS-PA-10	Auxiliary Contact Block, 1-N.O.
PCS-PA-11	Auxiliary Contact Block, 1-N.O. 1-N.C.
PCS-PA-20	Auxiliary Contact Block, 2-N.O.
PCS-23-CI23	Connecting Module for CA7-9-23
PCS-25S-CC25	Connecting Module for KT7-25S
PCS-37-CI37	Connecting Module for CA7-9-37
PCS-37-CI37	Connecting Module for CA7-9-37
PCS-45H-CF45	Connecting Module for KT7-45H



PCEC-051-600V-120V



PCEC-064-600V-120V



PCEC-064-600V-230V



PCEC-074-600V-120V



PCS-025-600V



PCEC-147-600V-120V



PCS-PA-11



PCS-PA-20



MIS-NOR-004



MIS-NOR-007

Solid State Starters

Furnace, Nordic Type Solid State Hydro Motor Starters

S.E.E.S. #	Description
MIS-NOR-001	Soft Start Starter 5-15 HP 22 AMP Y/D
MIS-NOR-002	Soft Start Starter 7.5-25 HP 35 AMP Y/D
MIS-NOR-003	Soft Start Starter 10-30 HP 42 AMP Y/D
MIS-NOR-004	Soft Start Starter 15-40 HP 55 AMP Y/D
MIS-NOR-005	Soft Start Starter 25-50 HP 68 AMP Y/D
MIS-NOR-006	Soft Start Starter 25-60 HP 80 AMP Y/D
MIS-NOR-007	Soft Start Starter 30-75 HP 105 AMP Y/D
MIS-NOR-008	Soft Start Starter 10-100 HP 130 AMP Y/D
MIS-NOR-009	Soft Start Starter 50-125 HP 157 AMP Y/D
MIS-NOR-010	Soft Start Starter 75-100 HP 252 AMP Y/D
MIS-NOR-TR-01	Transformer, Multi-Volt step-down 208-230-460V to 120V
MIS-NOR-TR-02	Transformer, Multi-Volt step-down 208-230-460V to 24V
MIS-NOR-PCB-001	PCB, Siemens class 72G starter replacement logic board

■ QUIET OPERATION for applications that require NO NOISE. The solution for those problem jobs where starter noise is objectionable.



MIS-NOR-TR-01



MIS-NOR-PCB-001

Additional O.E.M. Contactors & Starters

Allen Bradley

S.E.E.S. #	O.E.M. #	Description	Additional Description
ABC-001	104C16D22	Reversing Contactor , 600V 16A 3 Pole	120 VAC coil
ABC-002	1370-NC56	Contactor , 600V 260A 2 Pole	120 VAC coil
ABC-003	505-AOD	Reversing Starter , 20A 6 Pole 2 N.O.	120 VAC coil, 2 N.O.
ABC-004	505-COH-7-19C	Reversing Starter , 6 Pole 45A	208 VAC coil, size 2 Nema, 1N.O.
ABC-005	509-DOA	Starter , 3 Pole 90A 240 VAC	240 VAC coil, 1 N.O.
ABC-006	EHDB130C-11	Contactor , 600V 130A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
ABC-007	EHN145C-211	Contactor , 600V 145A 3 Pole	240 VAC coil, 2 N.O./2N.C. Aux
ABC-008	EH210C-2	Contactor , 600V 210A 3 Pole	240 VAC coil, 1 N.O./1 N.C. Aux
ABC-009	EHDB220C-1L11	Contactor , 600V 220A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
ABC-010	EHDB280C-1L11	Contactor , 600V 280A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
ABC-011	EHDB280C-20-11	Contactor , 600V 280A 3 Pole	240 VAC coil, 2 N.O./2 N.C. Aux
ABC-012	EHDB360C-1L11	Contactor , 600V 360A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
ABC-013	EG40-1	Reversing Contactor , 600V 45A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
ABC-014	300B230P	Reversing Contactor , 600V 45A 3 Pole	208 VAC coil, 2 N.O./2 N.C. Aux
ABC-015	100-C60D10	Contactor , 60A 3 Pole	120 VAC coil, 1 N.O. Aux
ABC-016	100-SA02	Auxiliary Contact Block , Side Mount, 2 N.C. Contact	
ABC-017	100-SA10	Auxiliary Contact Block , Side Mount, 1 N.O. Contact	
ABC-018	100-SA11	Auxiliary Contact Block , Side Mount, 1 N.O. 1 N.C.	
CKABB-130-2NO		Contact Kit , EHDB130 2 N.O.	
CKABB-130-1NC		Contact Kit , EHDB130 1 N.C.	
CKABB-280-2NO	ABB EHDB280CK-2	Contact Kit , EHD280 2 N.O.	
CKAB-7		Contact Kit for Allen Bradley , 3, 1 Pole	
ABBC-01	A16-30-10-42	Contactor , 30A,	230-240 VAC, 1 N.O. Aux.
ABBC-02	A30-30-120-120ADC	Contactor , 30A, 120 VAC	Coil 1 N.O. Aux.
ABBC-10	KH210DC	Replacement Coil	110 VDC
ABC-019	CA5-22E	Auxiliary Contact Block , CA5 Series, CA5-22E	



ABC-017



CKAB-7



ABBC-10



FNC-001



FNC-001A



FNC-001B

Cutler Hammer

S.E.E.S. #	O.E.M. #	Description	Additional Description
CHC-001	A201K2CB	Contactor , 600V 45A 3 Pole NEMA 2	208 VAC coil, 1N.O./1N.C. Aux
CHC-002	A201K3CW	Contactor , 600V 90A 3 Pole NEMA 3	240 VAC coil, 1N.O./1N.C. Aux
CHC-003	A201K3CB	Contactor , 600V 90A 3 Pole NEMA 3	208 VAC coil, 1N.O./1N.C. Aux
CHC-004	A201K4CB	Contactor , 600V 135A 3 Pole NEMA 4	208 VAC coil, 1N.O./1N.C. Aux
CHC-005	A211K2CB	Reversing Contactor , 600V 45A 6 Pole NEMA 2	208 VAC coil, 2N.O./2N.C. Aux
CHC-006	A211K3CB	Reversing Contactor , 600V 90A 6 Pole NEMA 3	208 VAC coil, 2N.O./2N.C. Aux
CHC-007	A211K3CB	Reversing Contactor , 600V 90A 6 Pole NEMA 3	120 VAC coil, 1N.O./1N.C. Aux
CHC-008	A211K3CW	Reversing Contactor , 600V 90A 6 Pole NEMA 3	240 VAC coil, without auxiliary
CKCH-11		Contact Kit , Cutler Hammer, 3 Pole 6-65-8	

Fujitec

S.E.E.S. #	O.E.M. #	Description	Additional Description
FUC-001	SC-5N	Contactor , 600V 125A 3 Pole	120 VAC coil, 2 N.O. Aux

Furnas

S.E.E.S. #	O.E.M. #	Description	Additional Description
FNC-001	40FP32AF	Contactor , 600V 45A 3 Pole #2	120 VAC coil, 1 N.O. Aux
FNC-001A	9818194	Starter , Size 3, 90A, 120AC Coil	
FNC-001B	9788750	Relay Overload Bi-Metal MX	

GE

S.E.E.S. #	O.E.M. #	Description	Additional Description
GEC-001	CL07A311MJ	Contactor , GE AC Non-Reversing IEC Contactor, C2000 Series	

Furnas

S.E.E.S. #	O.E.M. #	Description	Additional Description
FNC-002	40HP32AA	Contact, 600V 90A 3Pole #3	120/240 VAC coil, 1 N.O. Aux
FNC-003	42BF25AF	Contact, 600V 30A 4Pole	120 VAC coil
FNC-005	14GP32AC81	Contact, 600V 60A 3Pole #2.5	120/240 VAC coil, 1 N.O. Aux/Overld
FNC-006	14FP32AC81	Contact, 600V 45A 3Pole #2	240/480 VAC coil, 1 N.O. Aux/Overld

Siemens

S.E.E.S. #	O.E.M. #	Description	Additional Description
SMC-001	3TF4422-OAK6	Contact, 600V 55A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
SMC-002	3TF50	Contact, 600V 160A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
SMC-003	3TF52	Contact, 600V 200A 3 Pole	120 VAC coil, 2 N.O./2 N.C. Aux
SMC-004	FRC-M18-AC120V	Contact, 600V 20A 3 Pole	120 VAC coil
SMC-005	42GE35AFX657	Contact, 90A 3 Pole	120 VAC coil
MIS-SC-011	3RT1015-1BB42	Contact, 24 VAC, 8A, 3 PNC, Din Rail	24 VAC coil
MIS-SC-011A	3RH1911-1FA22	Aux Contact Bld, 2 N.O. 2 N.C., Size S00 Front Mount Screw	
MIS-SC-011B	3RH1921-1DA11	Aux Contact Block, Siemens, 1 N.O. 1 N.C., 10mm, Screw Conn.	



Square D

S.E.E.S. #	O.E.M. #	Description	Additional Description
SQDC-001	8910DP12V02	Contact, 600V 20A 2 Pole	120 VAC coil, no aux.

Struthers Dunn

S.E.E.S. #	O.E.M. #	Description	Additional Description
SDC-001	A575KXX-AC220	Reversing Contact, 600V 15A 3 Pole	220 VAC coil

Telemecanique

S.E.E.S. #	O.E.M. #	Description	Additional Description
TMC-001	LC1-D0901M7	Contact, 600V 25A 3 Pole NEMA 2	220 VAC coil, 2 N.O./2 N.C. Aux
TMC-002	LC1-D1201	Contact, 600V 25A 3 Pole NEMA 3	208 VAC coil, 2 N.O./2 N.C. Aux
TMC-003	LC1-D18U7	Contact, 600V 35A 3 Pole NEMA 3	240 VAC coil, 2 N.O./2 N.C. Aux
TMC-004	LC1-DT40G7	Contact, 600V 40A 3 Pole NEMA 4	120 VAC coil, 2 N.O./2 N.C. Aux
TMC-005	LC1-D258G7	Contact, 600V 40A 3 Pole NEMA 2	120 VAC coil, 2 N.O./2 N.C. Aux
TMC-006	LC1-D25G7	Contact, 600V 40A 3 Pole NEMA 3	120 VAC coil, 2 N.O./2 N.C. Aux



Ward Leonard

S.E.E.S. #	O.E.M. #	Description	Additional Description
WLC-001	HDP9-11103	Contact, 600V 265A 3 Pole	With blow-out 1 N.O./1 N.C. Aux



Additional O.E.M. Contactors

Moeller

S.E.E.S. #	O.E.M. #	Description	Additional Description
MRC-001	DIL 00AM	Contactor, 600V 20A 3 Pole	120 VAC coil, 1 N.O. / 1 N.C. Aux

LCD

S.E.E.S. #	Description
LCD-3	Contactor, 125 VDC coil, 32A1 N.O. & 1 N.C. Aux Contacts

Door Contactor

S.E.E.S. #	O.E.M. #	Description
AZ-07	KTB-175-1	Door Contact, AZ 07, 1 N.O. 230 VAC @ 2A/ 200 VAC @ 2A

Coil

S.E.E.S. #	O.E.M. #	Description
JC-6A	KTB-175-1	Coil for Reversing Contactor, 120 VAC

Joslyn Clark



JC-9A



JC-9-KIT



S.E.E.S.#	O.E.M. #	Description
JC-9A	PLR240A	Phase Monitor 197-240V, Octal plug-in
JC-9-KIT	PLR240A	Phase Monitor Kit, 197-240V, NDS-8 Socket
JC-10A	PLR480A	Phase Monitor Assembly 440-480V, Octal plug-in
JC-10-KIT	PLR480A	Phase Monitor Kit, 440V Socket



JC-10



JC-10-KIT



S.E.E.S.#	O.E.M. #	Description
JC-1A	T230V032-86	Starter, Size 2, 200-208V
JC-1C	T13V033-86	Starter, Size 3, 200-208V



JC-8

S.E.E.S. #	O.E.M. #	Description
JC-8	KHP-C53527	Auxiliary Contact Assembly 1 N.O., 1 N.C.



JC-5



JC-2

S.E.E.S. #	O.E.M. #	Description
JC-2	TB-159-1-69001	Coil for #2 Starter, 110 VAC
JC-2A	TB-159-10	Coil for #2 Starter, 208 VAC
JC-2B	TB-159-269002	Coil for #2 Starter, 220-240 VAC
JC-2C	TB-162-7	Coil for #3 Starter, 110-120 VAC
JC-2D	TB-162-14	Coil for #3 Starter, 200-208 VAC
JC-2E	TB-162-8-69108	Coil for #3 Starter, 220-240 VAC



JC-3A

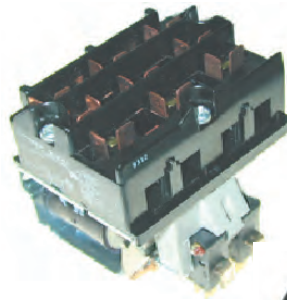
S.E.E.S. #	O.E.M. #	Description
JC-3A	K760, KTM311	Contact Kit, Size 00-0-1, 3 Pole
JC-3	K765, KTM321	Contact Kit, Size 2 Starter
JC-4	K770, KTM331	Contact Kit, Size 3 Starter

S.E.E.S. #	O.E.M. #	Heater Description
JC-5	2454, 62454	27.2 - 31.9 Amps
JC-5A	2455, 62455	32.0 - 35.9 Amps
JC-5B	2456, 62456	36.0 - 38.9 Amps
JC-5C	2467, 62457	39.0 - 40.0 Amps
JC-5D	2459, 62459	38.4 - 41.5 Amps
JC-5E	2528, 62528	39.2 - 42.3 Amps
JC-5F	2529, 62529	42.4 - 46.4 Amps
JC-5G	2530, 62530	46.5 - 50.8 Amps

Additional O.E.M. Contactors

Reversing Contactor

S.E.E.S.#	O.E.M. #	Description
PR-20	A275-KXX90	48 VDC 3 PDT Reversing Contactor for U.S. Elevator Door Control
PR-20A	275-KXX91	115 VAC 3 PDT Reversing Contactor
PR-20B	A275-KXX	240 VAC 3 PDT Reversing Contactor



PR-20



PR-20A

Kone Contactors

S.E.E.S.#	O.E.M. #	Description
KRP-200	520317	Contactor, 600 VAC, 3 N.O., 1 N.C., Boxed as Kit B
KRP-201	KM1337437	Auxiliary Block Contact, Front 2 N.O./2 N.C. Replaces US95322002
KRP-202	KM1337109 KM952444, US52951001	Contactor, 240 VAC, 4 N.O., 0N.C., R



PR-69B

General Motors

Control Relay

S.E.E.S.#	O.E.M. #	Description
PR-69B	RL4RA031TJ	Control Relay, 3 N.O. / 1 N.C., 120 VAC

Aromat

Starters

Long-life Aromat starters have arc suppression especially for jogging duty, momentary voltage drop endurance and overload and phase loss protection.

S.E.E.S. #	O.E.M. #	Description	Voltage	Amp.
ARO-S1	F35U	Starter Size 1++	208	45
ARO-S2	F35U	Starter Size 1++	240	28
ARO-S11	F80U	Starter Size 3	480	80
ARO-S12	F85U	Starter Size 3+	208	95
ARO-S13	F85U	Starter Size 3+	240	95
ARO-S13A	F160U	Starter Size 4	120	165
ARO-S14	F160U	Starter Size 4	208	165
ARO-S15	F160U	Starter Size 4	240	165



ARO-S12



ARO-S15



ARO-01

Coils

S.E.E.S. #	Coil Voltage For Relay	Type
ARO-C2	208 VAC	Size 1+, 2
ARO-C3	240 VAC	Size 1+, 2
ARO-C4	480 VAC	Size 1+, 2
ARO-C8	480 VAC	Size 2+, 3, 3+
ARO-C11	240 VAC	Size 4, 4+
ARO-C12	480 VAC	Size 4, 4+

Overload Relays

These relays offer phase loss protection and temperature compensation with an easy setting adjustment dial.

S.E.E.S. #	O.E.M. #	Description	Amperes
ARO-01	FT50U	Overload Relay Size 2	30-45



Motion Control



MOT-35-001

MOT-35-002



MOT-35-004

MOT-35-005



MOT-35-007

Contactors for Motion Control Systems

S.E.E.S. #	O.E.M. #	Description
MOT-35-001	35-72-CL25	22 Amp, 460 V, 120V Coil
MOT-35-002	35-72-CL45	34 Amp, 460 V, 120V Coil
MOT-35-003	35-72-CL04	32 Amp, 460 V, 120V Coil
MOT-35-004	35-72-CL06	48 Amp, 460 V 120V Coil
MOT-35-005	35-72-CL07	62 Amp, 460 V 120V Coil
MOT-35-006	35-72-CL08	68 Amp, 460 V, 120V Coil
MOT-35-007	35-72-CL09	80 Amp, 460 V, 120V Coil
MOT-35-008	35-72-CL10	96 AMP, 460 V, 120V Coil
MOT-35-009	35-72-CK75	140 Amp, 460 V, 120V Coil
MOT-35-010	35-72-CK08	156 Amp, 460 V, 120V Coil

Accessories for Contactors

S.E.E.S. #	O.E.M. #	Description
MOT-35-011	35-74-BEL02	Interlock
MOT-35-012	35-75-BCLF01	N.C. Auxiliary contact
MOT-35-013	35-75-BCLF10	N.O. Auxiliary contact
MOT-35-BCLL11	BCLL11	Aux contact Block, 1 N.O./1 N.C. for GE contactor



MOT-35-BCLL11



MOT-35-011



MOT-WH-5

Tach Wheel for Motion Control Systems

S.E.E.S. #	Description
MOT-WH-5	Tach Wheel for 1/2" shaft

Motion Control

Flex Couplings

S.E.E.S. #	Description
MOT-11-01-0021	Flex Coupling, 1/2" to 1/2" type 5802 Motion TACH-RE1-C
MOT-1195-0022	Flex Coupling, 5/16" x 3/8" Flex Type, Figure 8
MOT-1195-0023	Flex Tach Coupling, 5/16" to 5/16"



MOT-11-01-0021



MOT-1195-0022



MOT-1195-0023

Relays for Motion Control Systems

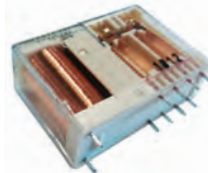
S.E.E.S. #	O.E.M. #	Description
MOT-27-003	27-01-0055	Motion Relay, # 27-01-0055 24VDC
MOT-27-01-0007	27-01-0007	Motion Relay, 48 VDC DPDT IC Type
MOT-27-08-001	27-08-0001	Motion Relay, Safety PCB 3 N.O. & 3 N.C. 110 VDC Coil
MOT-27-08-001A		PCB Relay Socket, for Motion Safety Relay MOT-27-08-001
MOT-27-08-0007	27-08-0007	Relay, Motion Control Safety 2 N.O. & 2 N.C. 110 VDC Plug-In
MOT-27-01-007A	AZ762-1C-12DE	Relay, Motion Mini Power, 12 VDC, SPDT, 16 Amps



MOT-27-08-001



MOT-27-01-0007



MOT-27-08-0007



MOT-27-08-0007A

Resistors for Motion Control Systems

S.E.E.S. #	O.E.M. #	Description
MOT-31-001	31-03-0017	Motion Resistor 10 OHM 200W fixed
MOT-31-002	31-03-0018	Motion Resistor 250 OHM 200W adjustable Use RES-59
MOT-31-003	31-03-0021	Motion Resistor 10 OHM 200W adjustable, Use RES-53



MIS-1101-0007

S.E.E.S. #	O.E.M. #	Description
MOT-33-0008		Diode, Zener 10 V, 1W
MIS-1101-0007	1101-0007	Encoder, M.C. 1024 CPR, shaft



MOT-31-001

PCB for Motion Control Systems

S.E.E.S. #	O.E.M. #	Description
MOT-PC-001	ICE-GR-2-T	PCBA Ice Rope Gripper, GEN 2 Tested



MOT-PC-001



Fans



MCE-001



MCE-002



MAGNA-FAN-001



MRP-50



MAGNA-FAN-002



MIS-901



MIS-901A



MIS-901B



MIS-901G



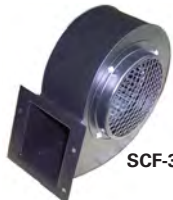
MIS-901AM



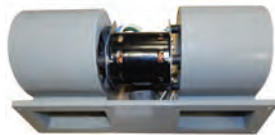
MIS-901R



SCF-1



SCF-3



DMP-20



MIF-3



MIS-902



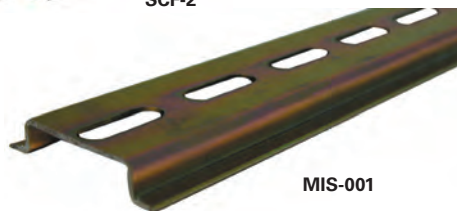
MIS-903



MIS-904



SCF-2



MIS-001

Fans for Controllers

S.E.E.S. #	O.E.M. #	Description
MCE-001	USP24255	Fan Kit, for Miprom Cabinet 115V 105CFM Tubeaxial fan
MCE-002		Fan Kit, Axial, 120 x 38mm, 240 VDC wire
MAGNA-FAN-001		Magnetek Kit
MAGNA-FAN-002	HPV9FAN1A	Magnetek Kit
MRP-50	US90507	Fan, 127 CFM 230 VAC 50/60 hz enclosed 4-1/2" SQ.

Fans & Fan Components

S.E.E.S. #	O.E.M. #	Description
MIS-901		Exhaust Fan, 2 speed, round, 120V, 10" OD. Fan motors are sealed, self lubricating and rubber mounted to housing for quiet dependable service
MIS-901A		Exhaust Fan, one or two speed exhaust fan 10" Sq.
MIS-901B		Exhaust Fan, 2 speed, round, Low Profile 12" D 5" deep for cab
MIS-901C		Exhaust Fan, Two speed with adaptor (up to 15")
MIS-901E		Exhaust Fan, 3 Speed Enclosed For High speed Elev 400CFM Flow
MIS-901F		Exhaust Fan, Dual 3 Spd 120VAC High Spd Elev 800CFM Air Flow
MIS-901G	XF12VDC	Exhaust Fan, 12V Emergency Backup Operates At 80 Degrees On 6 VDC
MIS-901H	NYPS-4	Power Supply, Emergency Exh 2hrs Of Power, Used with MIS-901G
MIS-901J	NYPS-8	Power Supply, Emergency Exh 4hrs Of Power, Used with MIS-901G
MIS-901AM		Motor, replacement fan for MIS-901A
MIS-901R	9853194	Fan, Rotron fan rack mount 5.22" H 19" W x 13.70" Deep
MIS-902		Adapter for exhaust fan. Allows installation of todays high performance fan models to replace older, larger diameter units. Adapter plate measures 15" square with 10" diameter mounting hole.
MIS-903		Grill for exhaust fan. White enamel 14" O.D. for MIS-901 fans. Heavy duty welded steel.
MIS-904		Grill for exhaust fan. Chrome - #4 stainless steel 14" O.D. for MIS-901 fans. Heavy duty welded steel delivers high performance with low air flow restriction.
DMP-20	378AT2	Fan / Blower, extremely quiet, rugged construction. 115VAC 550 CFM capacity, for mounting in any position, for Dover VVF Equipment
MIF-3	ZQF-330	Fan, Mitsubishi ZQF-330
SCF-1	142984	Fan, for RV140 380-400V
SCF-2		Fan, for VF140, 100/220/230V, 50/60HZ, 30 Watts
SCF-3		Fan, for VF140, 220VAC, 50/60HZ, 40 Watts

Din Rails Mounting Rail Kits

S.E.E.S. #	Description
MIS-001	6" 35mm Rail Kit
MIS-002	5" 35mm Rail Kit
MIS-003	4" 35mm Rail Kit
MIS-004	3" 35mm Rail Kit
MIS-005	Din Rail Kit, 39" Lg (1m) 35mm D Rail with Mounting hardware

Resistors

25 Watt Adjustable Resistors

S.E.E.S. #	Resistance	S.E.E.S. #	Resistance
RES-1	5 Ohms	RES-8	750 Ohms
RES-2	10 Ohms	RES-9	1000 Ohms
RES-3	25 Ohms	RES-9A	1250 Ohms
RES-4	50 Ohms	RES-10	1500 Ohms
RES-5	100 Ohms	RES-11	2000 Ohms
RES-5A	150 Ohms	RES-12	3000 Ohms
RES-6	250 Ohms	RES-13	5000 Ohms
RES-7	500 Ohms		

50 Watt Adjustable Resistors

S.E.E.S. #	Resistance	S.E.E.S. #	Resistance
RES-14	1 Ohms	RES-24	500 Ohms
RES-15	5 Ohms	RES-25	1000 Ohms
RES-16	20 Ohms	RES-26	1500 Ohms
RES-17	25 Ohms	RES-27	2000 Ohms
RES-18	50 Ohms	RES-28	2500 Ohms
RES-19	75 Ohms	RES-32A	8000 Ohms
RES-20	100 Ohms	RES-30	30 K Ohms
RES-21	200 Ohms	RES-31	40 K Ohms
RES-22	250 Ohms	RES-32	50 K Ohms
RES-23	400 Ohms		

100 Watt Adjustable Resistors

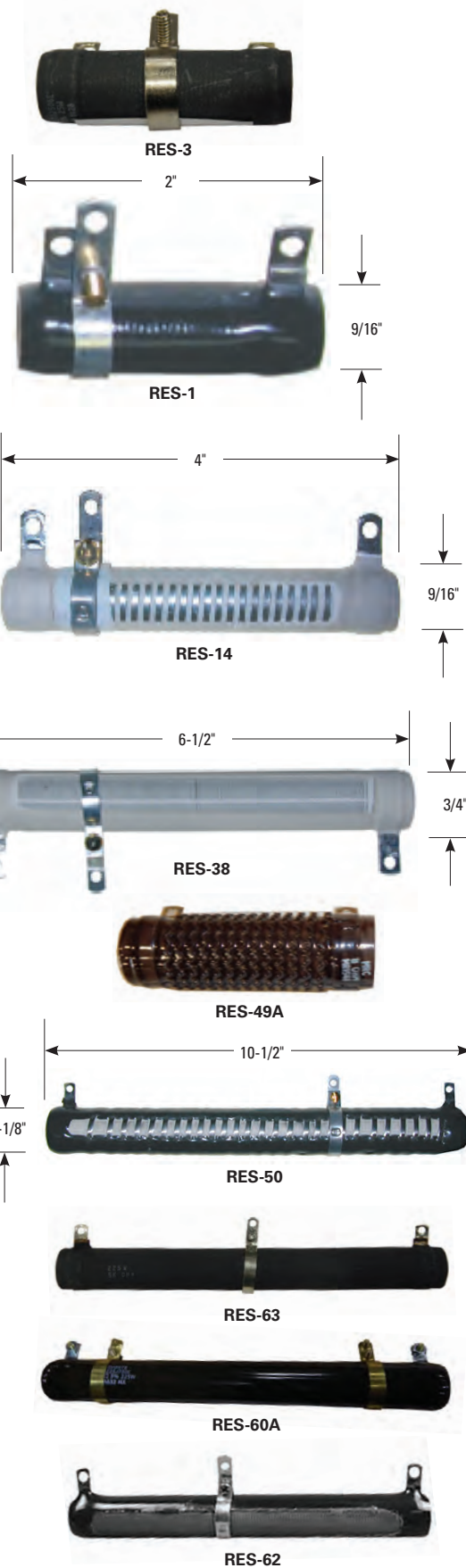
S.E.E.S. #	Resistance	S.E.E.S. #	Resistance
RES-33	1 Ohm	RES-42	500 Ohms
RES-34	2 Ohms	RES-43	750 Ohms
RES-35	5 Ohms	RES-44	1000 Ohms
RES-36	10 Ohms	RES-45	2500 Ohms
RES-37	25 Ohms	RES-46	5000 Ohms
RES-38	50 Ohms	RES-47	10000 Ohms
RES-39	100 Ohms	RES-48	20000 Ohms
RES-40	250 Ohms	RES-49	40000 Ohms
RES-41	300 Ohms	RES-49A	8 Ohms

150 Watt Fixed Resistor

S.E.E.S. #	Resistance
RES-49A	8 Ohms

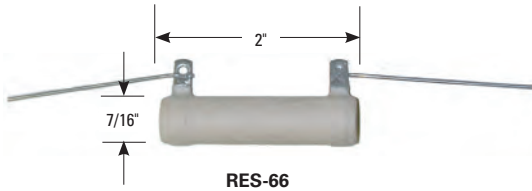
200 Watt Adjustable Resistors

S.E.E.S. #	Resistance	S.E.E.S. #	Resistance
RES-50	1 Ohm	RES-58	200 Ohms
RES-51	2 Ohms	RES-59	250 Ohms
RES-51B	4 Ohms	RES-59A	300 Ohms
RES-52	5 Ohms	RES-60	500 Ohms
RES-53	10 Ohms	RES-60A	750 Ohms
RES-53A	15 Ohms	RES-61	1000 Ohms
RES-53B	20 Ohms	RES-61A	1500 Ohms
RES-54	25 Ohms	RES-61B	2000 Ohms
RES-55	50 Ohms	RES-62	2500 Ohms
RES-55A	75 Ohms	RES-63	5000 Ohms
RES-56	100 Ohms	RES-65	50000 Ohms
RES-57	150 Ohms		





Resistors



RES-66



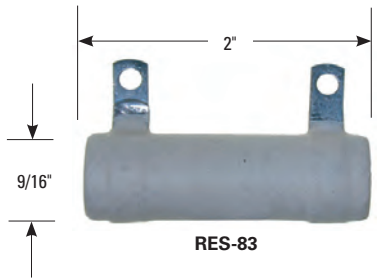
RES-66



RES-68



RES-81A



RES-83



RES-94



RES-90



RES-95

20 Watt Fixed Resistors With Wire Leads

S.E.E.S. #	Resistance	S.E.E.S. #	Resistance
RES-66	10 Ohms	RES-72	1000 Ohms
RES-67	50 Ohms	RES-73	1500 Ohms
RES-68	100 Ohms	RES-74	2000 Ohms
RES-69	150 Ohms	RES-75	2500 Ohms
RES-70	250 Ohms	RES-75A	4000 Ohms
RES-70A	300 Ohms	RES-76	7500 Ohms
RES-71	500 Ohms	RES-77	10000 Ohms

25 Watt Fixed Resistors

S.E.E.S. #	Resistance
RES-83	750 Ohms
RES-78	1000 Ohms
RES-79	2000 Ohms
RES-81	5000 Ohms
RES-81A	7500 Ohms
RES-82	25000 Ohms

300 Watt (Fixed) Resistor

S.E.E.S. #	Resistance
RES-84	.05 Ohms, chassis mount

Mounting Brackets for Resistors

S.E.E.S. #	Description
RES-90	Bracket for 12-20 Watt Resistors
RES-91	Bracket for 25-50 Watt Resistors
RES-92	Bracket for 100 Watt Resistors
RES-93	Bracket for 200 Watt Resistors
RES-94	Slider Band, for 1-1/8" Resistors
RES-95	Bolt and washer kit, 200-225 watt Res mounting