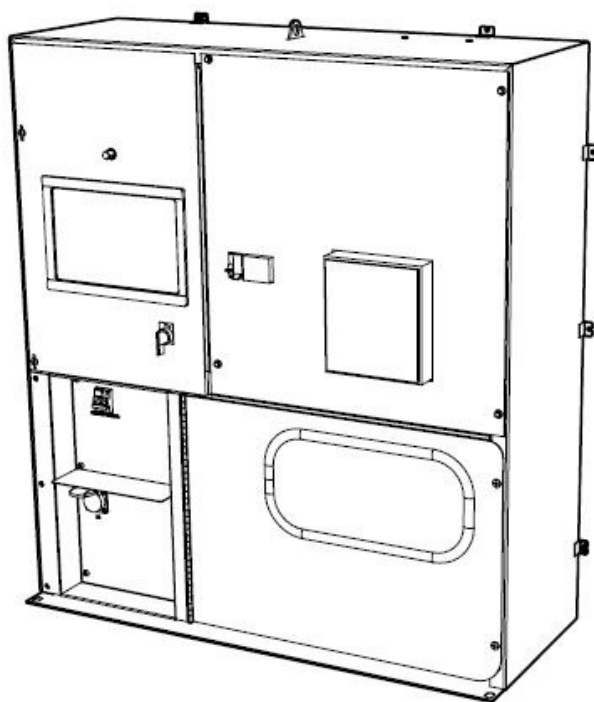




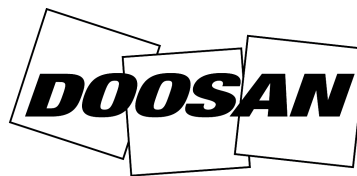
Portable Power

Synchronisation G250, G400, G500 / MG

PARTS MANUAL



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Portable Power

TABLE OF CONTENTS
Parts Book

TITLE	PAGE
Parts List	
G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG	6
G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG	8
G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG	11
G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG	12
G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG	14
G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG	16
G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG	18
G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG	20
G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG	22

Parts Book



Section A - Parts Ordering

GENERAL

This publication, which contains an illustrated parts breakdown, has been prepared as an aid in locating those parts which may be required in the maintenance of the unit. Always insist on genuine Doosan branded parts for your unit.

Doosan Infracore Portable Power can bear no responsibility for injury or damages resulting directly from the use of non-approved repair parts.

Portable Power service facilities and Doosan parts are available worldwide. Consult local yellow pages or visit: www.doosanportablepower.com.

Special order parts may not be included in this manual. Contact the Portable Power Parts Department with the unit serial number for assistance with these special parts.

Description

The illustrated parts breakdown illustrates and lists the various assemblies, subassemblies and detailed parts which make up this particular machine. This covers the standard models and the more popular options that are available.

Fasteners

Both SAE/inch and ISO/metric hardware have been used in the design and assembly of these units. In the disassembly and reassembly of parts, extreme care must be taken to avoid damaging threads by the use of wrong fasteners.

How To Order

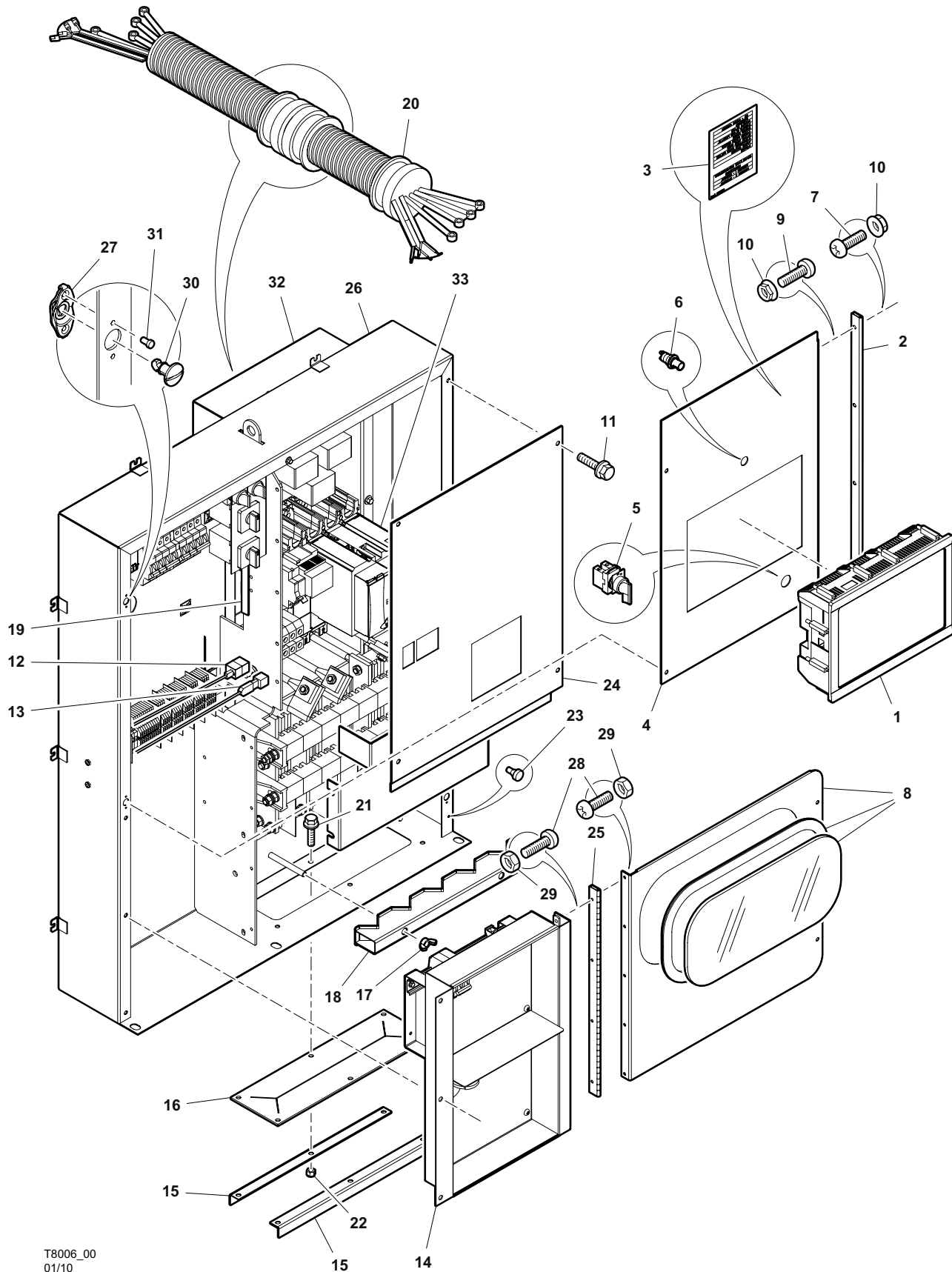
Always specify the model and serial number of the unit.

Specify the part number and description.



Parts List

G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG



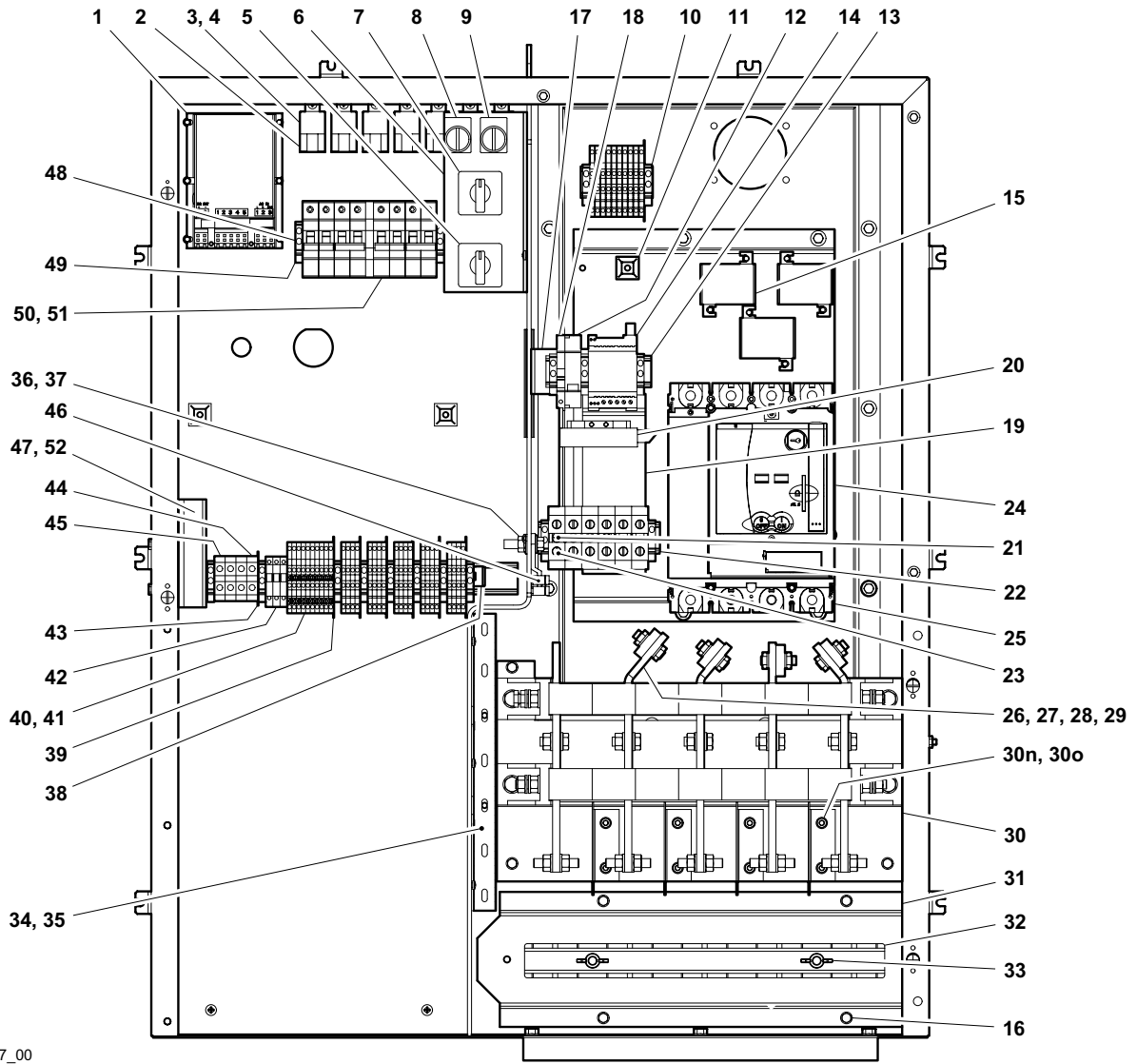
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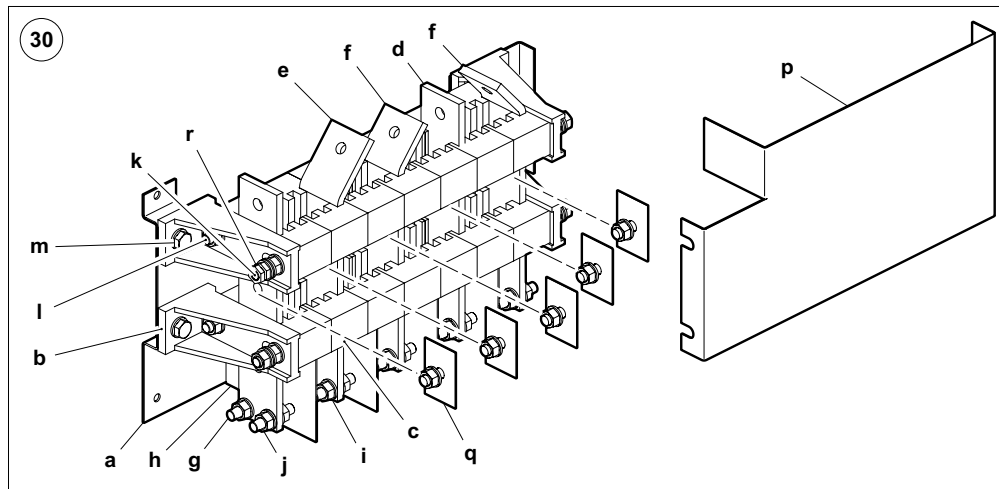
G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46539987	Controller deif, assembly	1	
2	46539961	Control panel hinge	1	
3	46551694	Decal, controls synchro	1	
4	46540019	Control panel	1	
5	46551568	Switch, deif controller	1	
6	36852622	Lamp minature	1	
7	96703251	Screw, machine pan head	6	TYPE H M5 x 16
8	22924690	Cable, door assembly	1	
9	96738828	Screw, machine pan head	4	TYPE H M5 x 10
10	23201072	Nut, flange	8	M5
11	36898096	Screw, hex head flange	4	
12	46551773	Line cord, assembly	1	
13	46551769	Cable, USB	1	
14a	23046253	Sockets panel assembly	1	Option
14b	23117211	Sockets panel assembly	1	Option
15	22882807	Cable entry clamping bracket	2	
16	22881809	Cable rubber entry	1	
17	22787436	Wing nut	2	M10 Stainless steel
18	46552225	Cable holder	1	
19	54627617	Guard, door edge	1	
20	46551673	Conduit assembly	1	
21	35144336	Screw, whiz lock	6	.31 x .75 Zinc
22	95923314	Nut, hex light self-locking	6	.31 x 18 UNC
23	36865293	Door rubber	2	
24	46551656	Circuit breaker cover	1	
25	22857676	Cable door hinge	1	
26	46539656	Enclosure	1	
27	22465207	Receptacle	4	
28	95942595	Screw, mach phillips pan hd recess	9	#10 x 50
29	95928800	Nut, hex light self-locking	9	#10 x 33 UNC
30	22511901	Oval head stud	2	
31	22515605	Rivet	8	1/8" x 3/16" aluminium
32	46539680	Pocket, circuit breaker	1	
33	46551690	Circuit breaker assembly	1	
33a	46551691	Undervoltage release	1	24V DC
33b	46551692	Motor operator	1	NSX 400F
33c	46551637	Circuit breaker	1	NSX 4 pole MG
33d	46551693	Auxiliary contacts	3	24V DC

G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG



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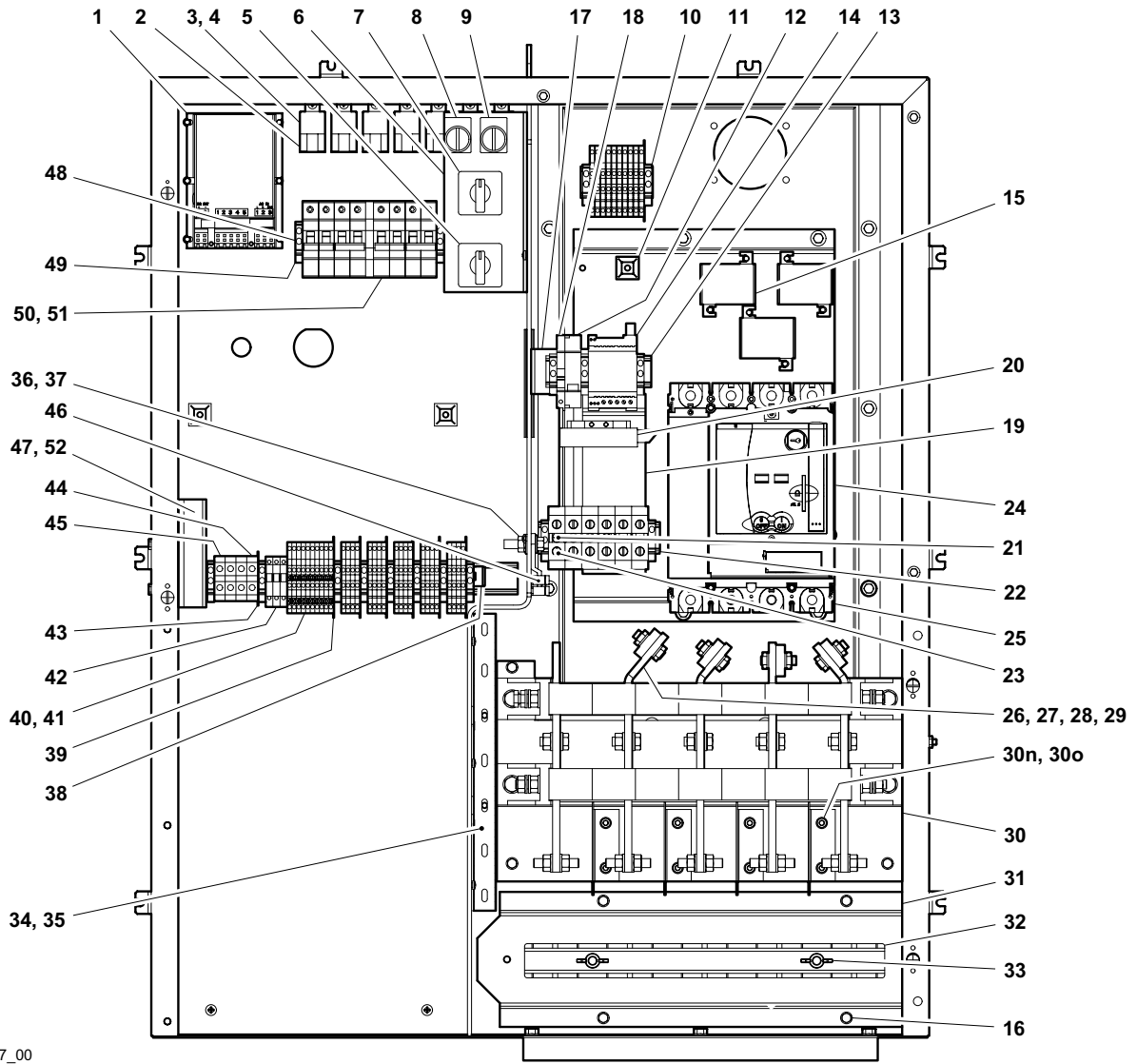


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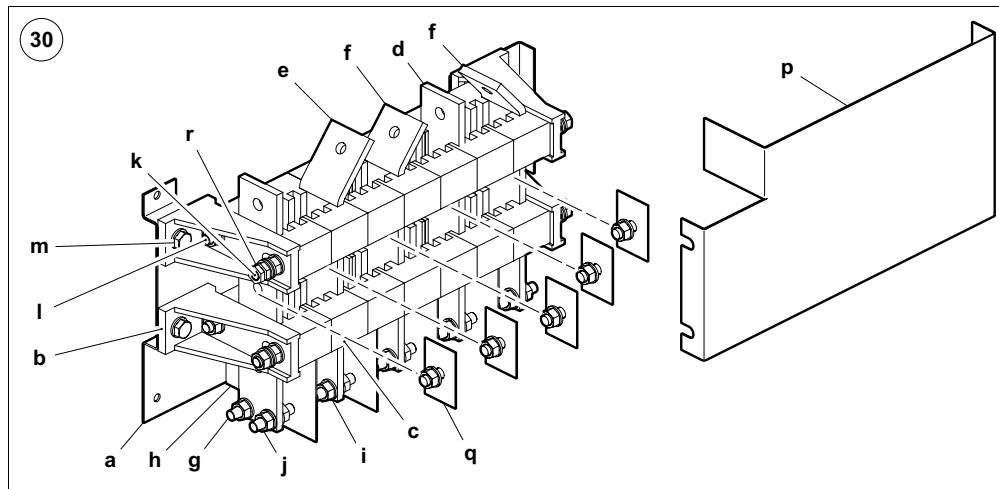
G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1a	23212830	Charger, battery	1	24V 5A, SSP OPTION
1b	23212772	Charger, battery	1	24V 5A, SSP OPTION
2	46541017	Base, relay	7	24VDC
3	46541009	Relay	7	
4	96738828	Screw	13	
5	46551597	Switch, voltage	1	
6	46541173	Bracket, mode switch	1	50/60Hz, Option
7	46541066	Switch, mode	1	
8	46551585	Switch, contact set	1	
9	46551586	Switch, contact set	1	
10	46551576	Rail, DIN	1	C60 1P
11	93524007	Plate	15	
12	23293764	Breaker	1	
13	23276355	Rail, DIN	1	
14	23269244	Relay, monitoring	1	M6 x 12
15	22911051	Transformer, current	3	
16	92184811	Screw, flanged	4	
17	46551654	Bracket, monitoring relay	1	
18	23293772	Contact	1	Typ OF
19	46551650	Spacer, toroid	1	
20	23269236	Transformer, current	1	
21	23309792	Jumper, terminal	1	
22	23308174	Rail, DIN	2	M10
23	23308026	Terminal	6	
24	46551643	Bracket, circuit breaker	1	
25	46551690	Circuit breaker assembly	1	
26	46551655	Wire bond	4	M10
27	46500591	Bolt, stud	4	
28	46501292	Lockwasher	10	
29	46500708	Nut	8	
30	46539664	Terminal assembly	1	M10
30a	46539672	Bracket, terminal	1	
30b	23375769	Holder, bus bar	4	
30c	23375777	Block, holder	28	
30d	23366917	Terminal	2	M10
30e	23383987	Terminal	1	
30f	23385669	Terminal	2	
30g	23375785	Bolt, stud	10	
30h	23375793	Guard, terminal	4	M10
30i	92061498	Washer	52	
30j	92304526	Nut	38	
30k	46501268	Bolt, stud	2	
30l	23375314	Bolt, stud	2	M10 x 25
30m	96702287	Screw	9	
30n	92341981	Washer	8	
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G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG



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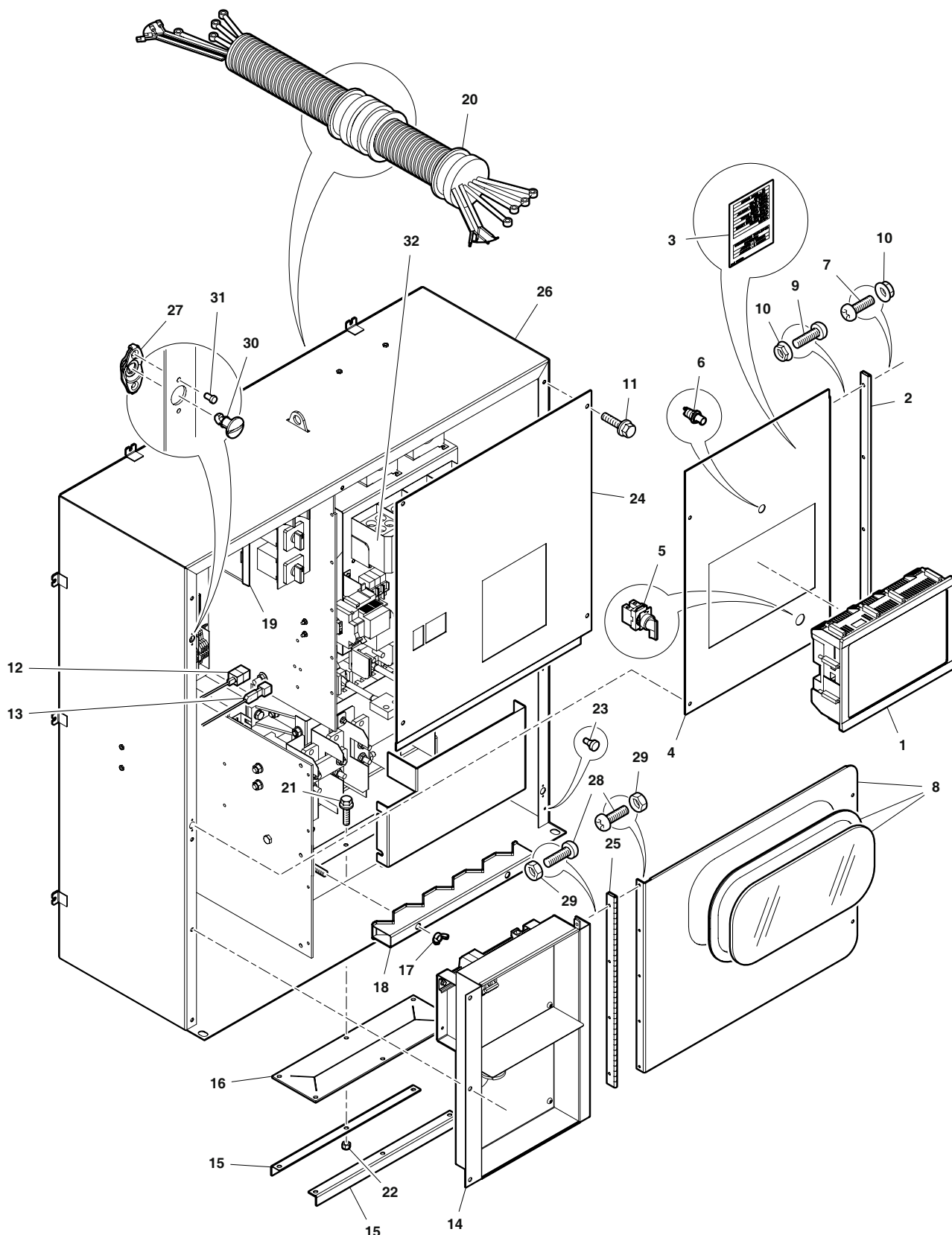


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G250 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
30o	96703806	Nut	8	 <i>Continued</i>
30p	46541157	Cover	1	M6
30q	46501276	Plate, spread	5	
30r	46500708	Nut	2	M10
31	23377179	Support, cable	1	
32	23376304	Holder, cable	1	
33	22787436	Wingnut	3	M10
34	46551594	Bracket, trunking	2	
35	46551593	Trunking, cable	1	
36	36879195	Nut, flange	3	
37	36880995	Screw	1	
38	46540787	Buzzer	1	
39	46551676	End plate, terminals	7	
40	46541058	Cross connection	2	
41	46541041	Terminal, double	40	
42	22747299	Holder, fuse	3	
43	46551675	End plate, terminals	1	Blue
44	46551579	Terminal, phase	1	
45	22750699	Terminal, phase	3	
46	23309701	Terminal, ring	3	
47	46540803	Rail, DIN	1	
48	22734859	Rail, DIN	1	
49	22750970	Lock, terminals	17	
50	46551563	Circuit breaker assembly	1	
51	46551561	Breaker, circuit	1	
52	46551708	Module, analogue	1	

G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG



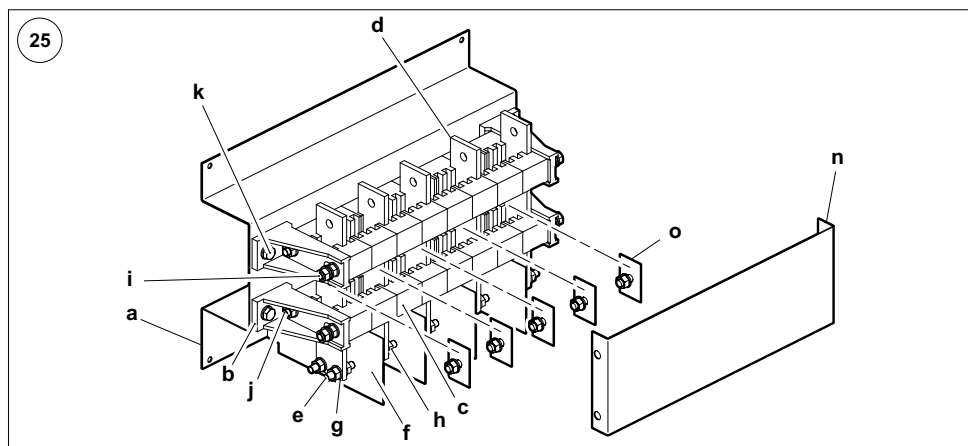
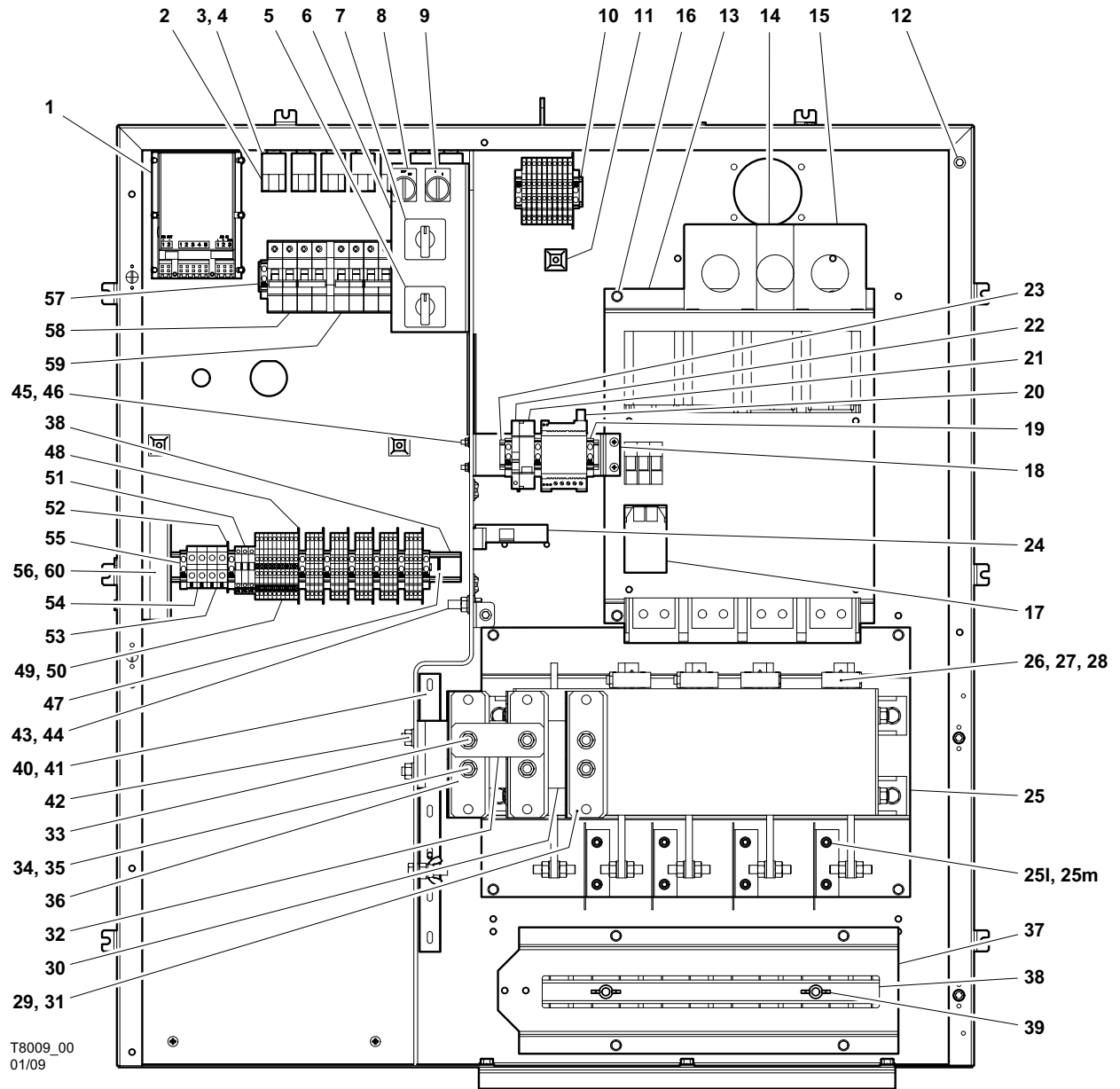
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G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46539987	Controller deif, assembly	1	
2	46539961	Control panel hinge	1	
3	46551694	Decal, controls synchro	1	
4	46551555	Control panel	1	
5	46551568	Switch, deif controller	1	
6	36852622	Lamp minature	1	
7	96703251	Screw, machine pan head	6	TYPE H M5 x 16
8	22929228	Cable, door assembly	1	
9	96738828	Screw, machine pan head	4	TYPE H M5 x 10
10	23201072	Nut, flange	8	M5
11	36898096	Screw, hex head flange	4	M6 x 20
12	46551773	Line cord, assembly	1	
13	46551769	Cable, USB	1	
14a	23046253	Sockets panel assembly	1	Option
14b	23117211	Sockets panel assembly	1	Option
15	46551678	Cable entry clamping bracket	2	
16	46551678	Cable rubber entry	1	
17	22787436	Wing nut	2	M10 Stainless steel
18	46552225	Cable holder	1	
19	54627617	Guard, door edge	1	
20	46551674	Conduit assembly	1	
21	35144336	Screw, whiz lock	6	.31 x .75 Zinc
22	95923314	Nut, hex light self-locking	6	.31 x 18 UNC
23	36865293	Door rubber	2	
24	46541215	Circuit breaker cover	1	
25	22857676	Cable door hinge	1	
26	46539656	Enclosure	1	
27	22465207	Receptacle	4	
28	95942595	Screw, mach phillips pan hd recess	9	#10 x .50
29	95928800	Nut, hex light self-locking	9	#10 x 32 UNC
30	22511901	Oval head stud	2	
31	22515605	Rivet	8	1/8" x 3/16" aluminium
32	46551610	Circuit breaker assembly	1	
32a	23321243	Connector, circuit breaker	4	Merlin
32b	46551509	Trip coil undervoltage	1	24V DC
32c	46551510	Front terminals top	1	
32d	46551511	Front terminals bottom	1	
32e	46551512	Auxiliary contact	3	
32f	46551609	Circuit breaker, motor operated		NS630H 4 pole

G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG

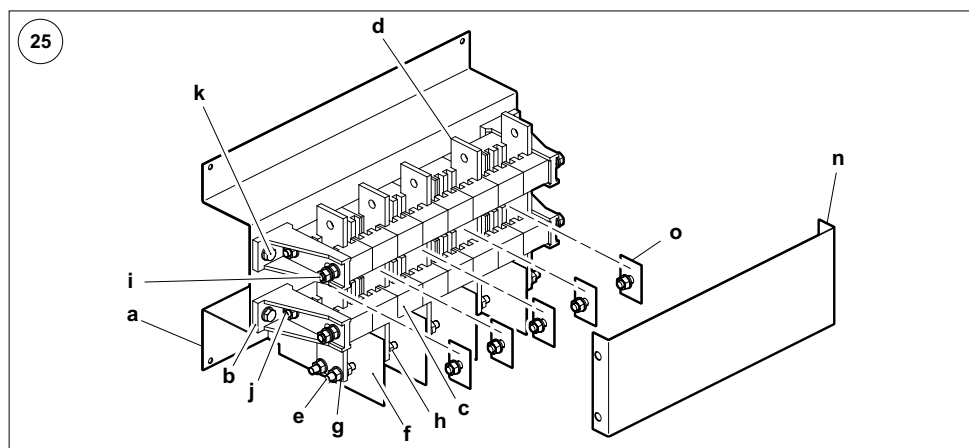
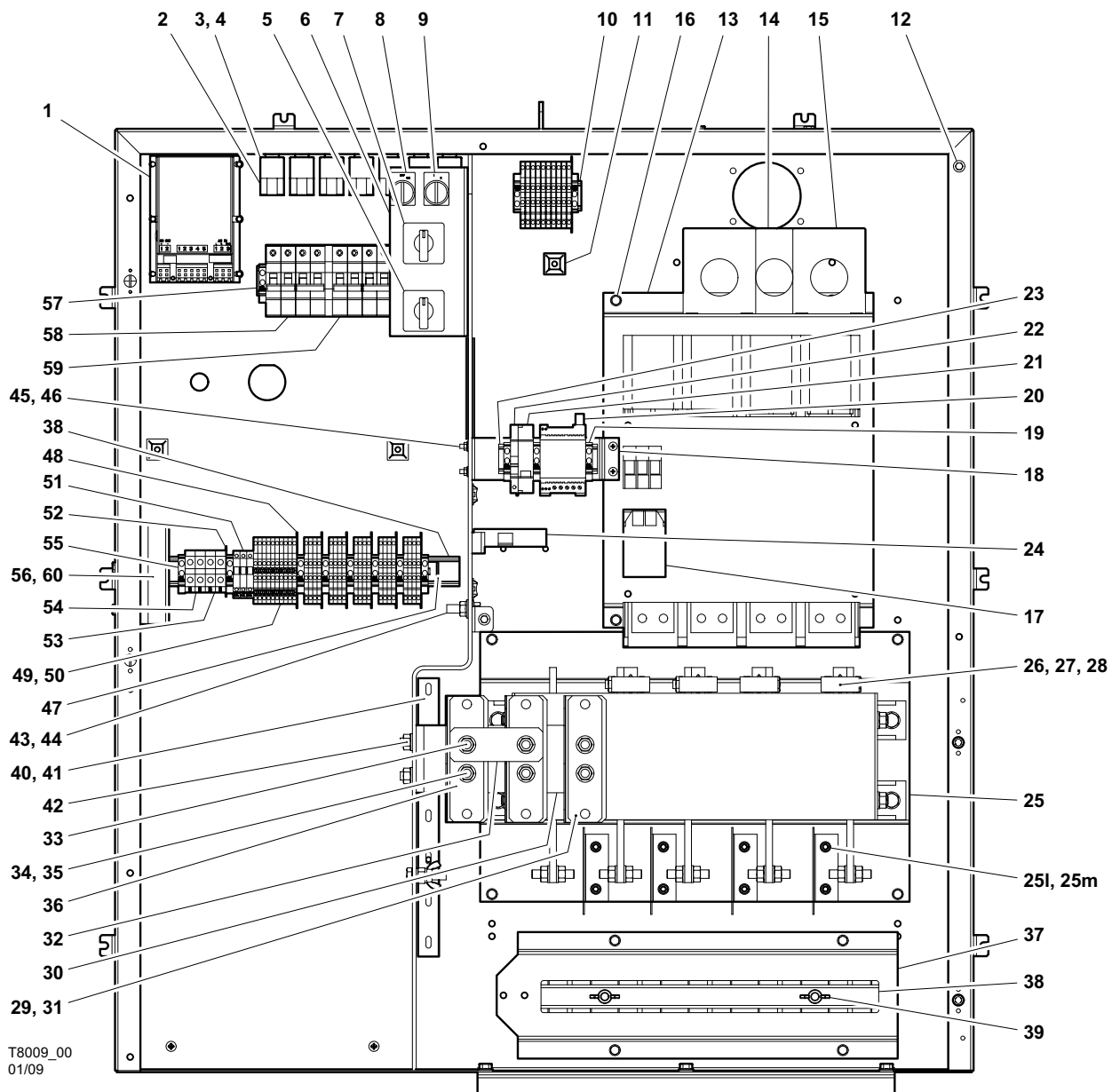


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G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1a	23212830	Charger, battery	1	24V 5A, SSP Option
1b	23212772	Charger, battery	1	24V 5A, SSP Option
2	46541017	Base, relay	7	24VDC
3	46541009	Relay	7	
4	96738828	Screw	10	
5	46551597	Switch, voltage	1	
6	46541173	Bracket, mode switch	1	
7	46541066	Switch, mode	1	
8	46551585	Switch, contact set	1	
9	46551586	Switch, contact set	1	
10	46551576	Rail, DIN	1	
11	93524007	Plate	15	
12	36898096	Screw, flange	4	50/60Hz, Option
13	46541207	Bracket, circuit breaker	1	
14	22931737	Transformer, current	2	
15	22931737	Transformer, current	1	
16	92184811	Screw, flanged	12	
17	46551610	Circuit breaker assembly	1	
18	46551543	Spacer, monitoring relay	1	
19	22750970	Lock, terminals	15	
20	23269244	Relay, monitoring	1	
21	23293764	Breaker	1	
22	23293772	Contact	1	C60 1P
23	23276355	Rail, DIN	1	Typ OF
24	23269236	Transformer, current	1	M6 x 12
25	46551519	Terminal assembly	1	
25a	46551520	Bracket, terminal	1	
25b	23375769	Holder, bus bar	4	
25c	23375777	Block, holder	32	
25d	46502019	Terminal	5	
25e	23375785	Bolt, stud	10	
25f	23385255	Guard, terminal	4	
25g	92061498	Washer	52	
25h	92304526	Nut	39	
25i	46501326	Bolt, stud	2	M10
25j	23385263	Bolt, stud	2	M10
25k	96702287	Screw	9	M10 x 25
25l	92341981	Washer	8	M10
25m	92304500	Nut	8	
25n	46500609	Cover	1	
25o	46501276	Plate, spread	5	
26	96704556	Screw	5	
27	46501292	Lockwasher	10	
28	46551552	Wire bond	4	
29	46551528	Barrier	3	
				Continued.....

G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG

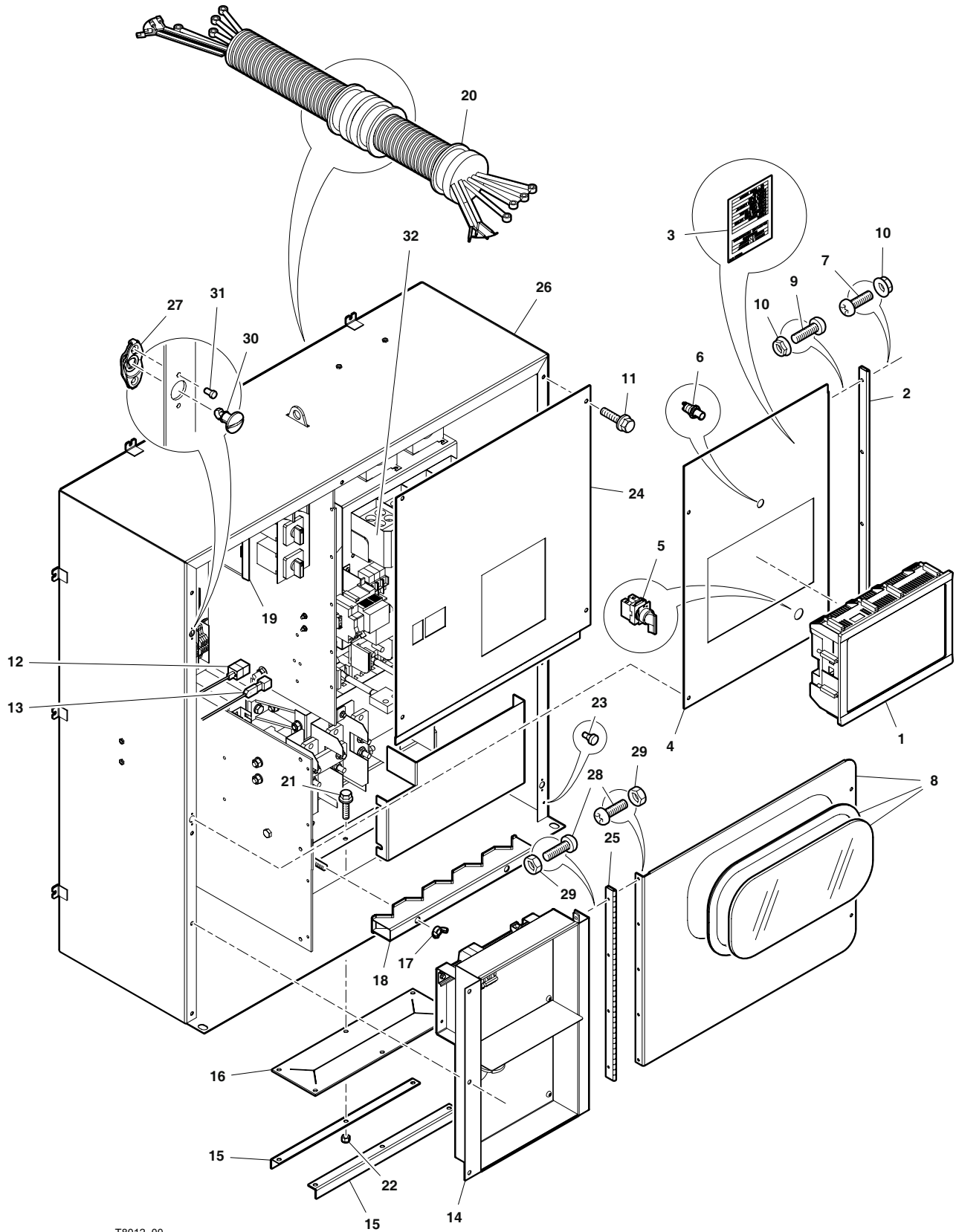


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G400 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
30	46551526	Bracket, terminals	1	 <i>Continued</i>
31	46551519	Terminal assembly	3	40 x 10
32	23333230	Jumper, terminal	1	40 x 10
33	96737572	Nut, flange	6	
34	92304526	Nut, flange	13	M10
35	92061498	Washer	10	M10
36	46551530	Isolator, distance	6	
37	46551525	Support, cable	1	
38	23376304	Holder, cable	1	
39	22787436	Wingnut	3	M10
40	46551594	Bracket, trunking	2	
41	46551593	Trunking, cable	1	
42	96702287	Screw	2	
43	36879195	Nut, flange	1	
44	36880995	Screw	1	
45	23201072	Nut	2	
46	96703251	Screw	2	
47	46540787	Buzzer	1	
48	46551676	End plate, terminals	7	
49	46541058	Cross connection	2	
50	46541041	Terminal, double	40	
51	22747299	Holder, fuse	3	
52	46551675	End plate, terminals	1	Blue
53	46551579	Terminal, phase	1	
54	22750699	Terminal, phase	3	
55	46540803	Rail, DIN	1	
56	23308174	Rail, DIN	1	
57	22734859	Rail, DIN	1	
58	46551563	Circuit breaker assembly	1	
59	46551561	Breaker, circuit	1	
60	46551708	Module, analogue	1	

G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG



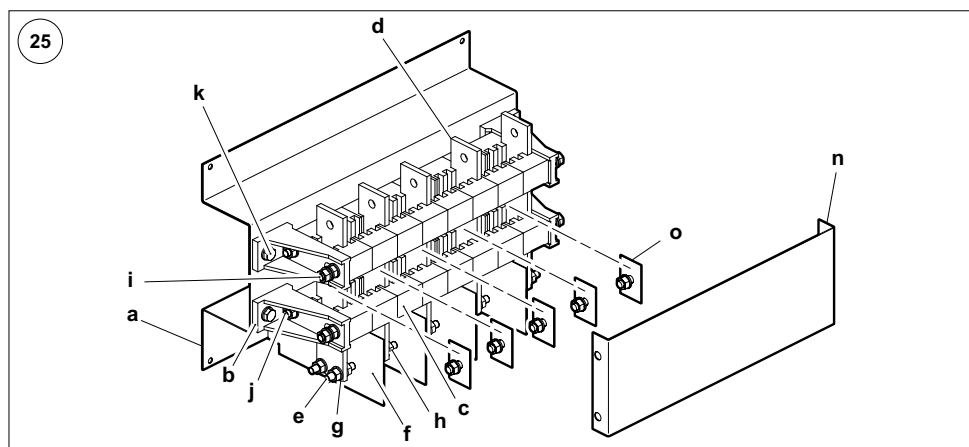
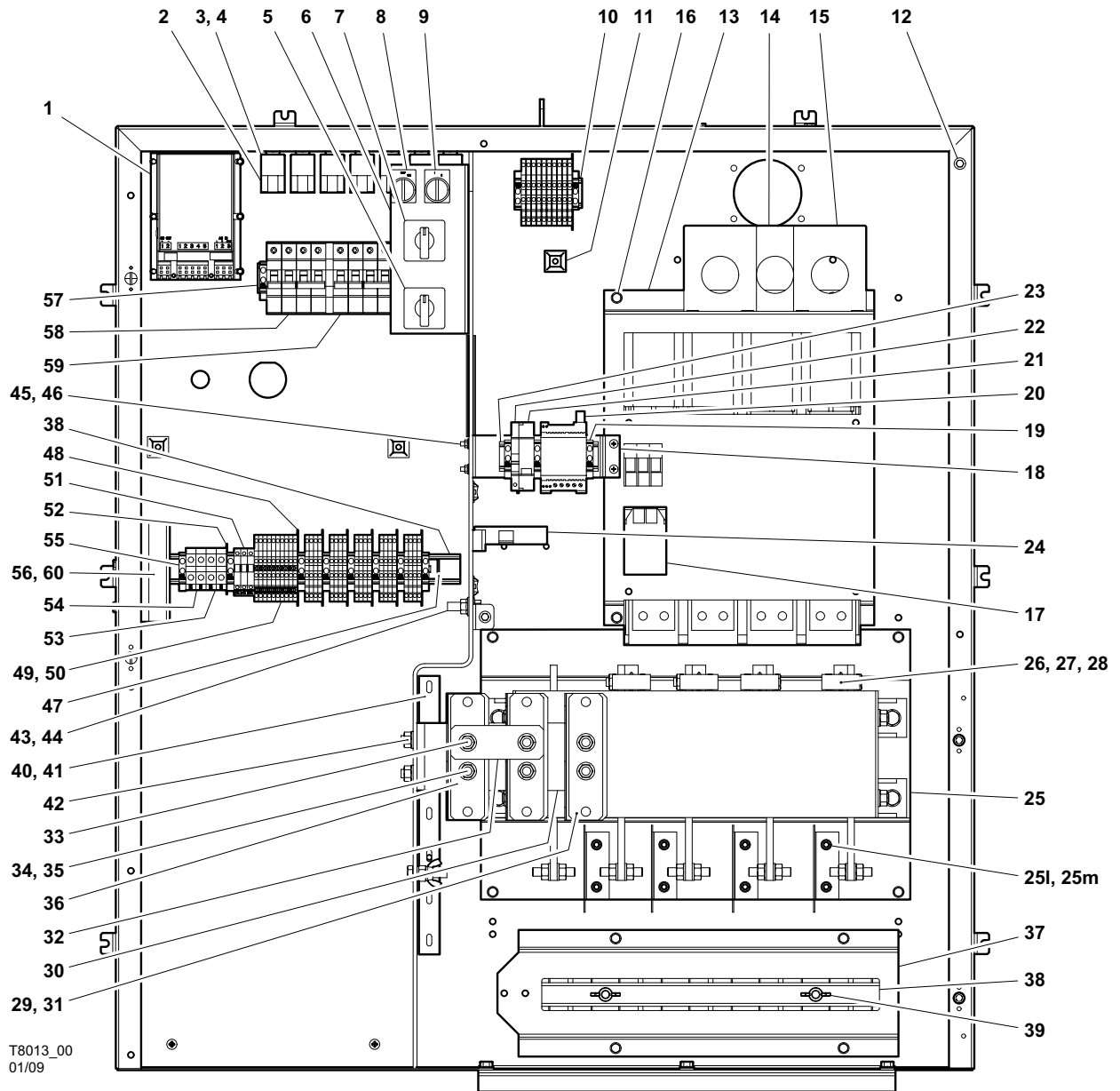
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G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1	46539987	Controller deif, assembly	1	
2	46539961	Control panel hinge	1	
3	46551694	Decal, controls synchro	1	
4	46551555	Control panel	1	
5	46551568	Switch, deif controller	1	
6	36852622	Lamp minature	1	
7	96703251	Screw, machine pan head	6	TYPE H M5 x 16
8	22929228	Cable, door assembly	1	
9	96738828	Screw, machine pan head	4	TYPE H M5 x 10
10	23201072	Nut, flange	8	M5
11	36898096	Screw, hex head flange	4	M6 x 20
12	46551773	Line cord, assembly	1	
13	46551769	Cable, USB	1	
14a	23046253	Sockets panel assembly	1	Option
14b	23117211	Sockets panel assembly	1	Option
15	46551678	Cable entry clamping bracket	2	
16	46551678	Cable rubber entry	1	
17	22787436	Wing nut	2	M10 Stainless steel
18	46552225	Cable holder	1	
19	54627617	Guard, door edge	1	
20	46551674	Conduit assembly	1	
21	35144336	Screw, whiz lock	6	.31 x .75 Zinc
22	95923314	Nut, hex light self-locking	6	.31 x 18 UNC
23	36865293	Door rubber	2	
24	46541215	Circuit breaker cover	1	
25	22857676	Cable door hinge	1	
26	46539656	Enclosure	1	
27	22465207	Receptacle	4	
28	95942595	Screw, mach phillips pan hd recess	9	#10 x .50
29	95928800	Nut, hex light self-locking	9	#10 x 32 UNC
30	22511901	Oval head stud	2	
31	22515605	Rivet	8	1/8" x 3/16" aluminium
32	46551507	Circuit breaker assembly	1	
32a	23321243	Connector, circuit breaker	4	Merlin
32b	46551509	Trip coil undervoltage	1	24V DC
32c	46551510	Front terminals top	1	
32d	46551511	Front terminals bottom	1	
32e	46551512	Auxiliary contact	3	
32f	46551508	Circuit breaker, motor operated		NS800H 4 pole

G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG

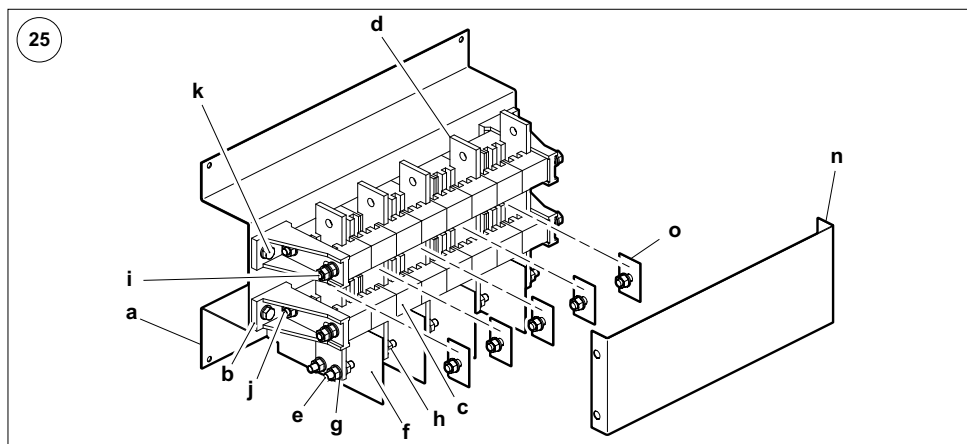
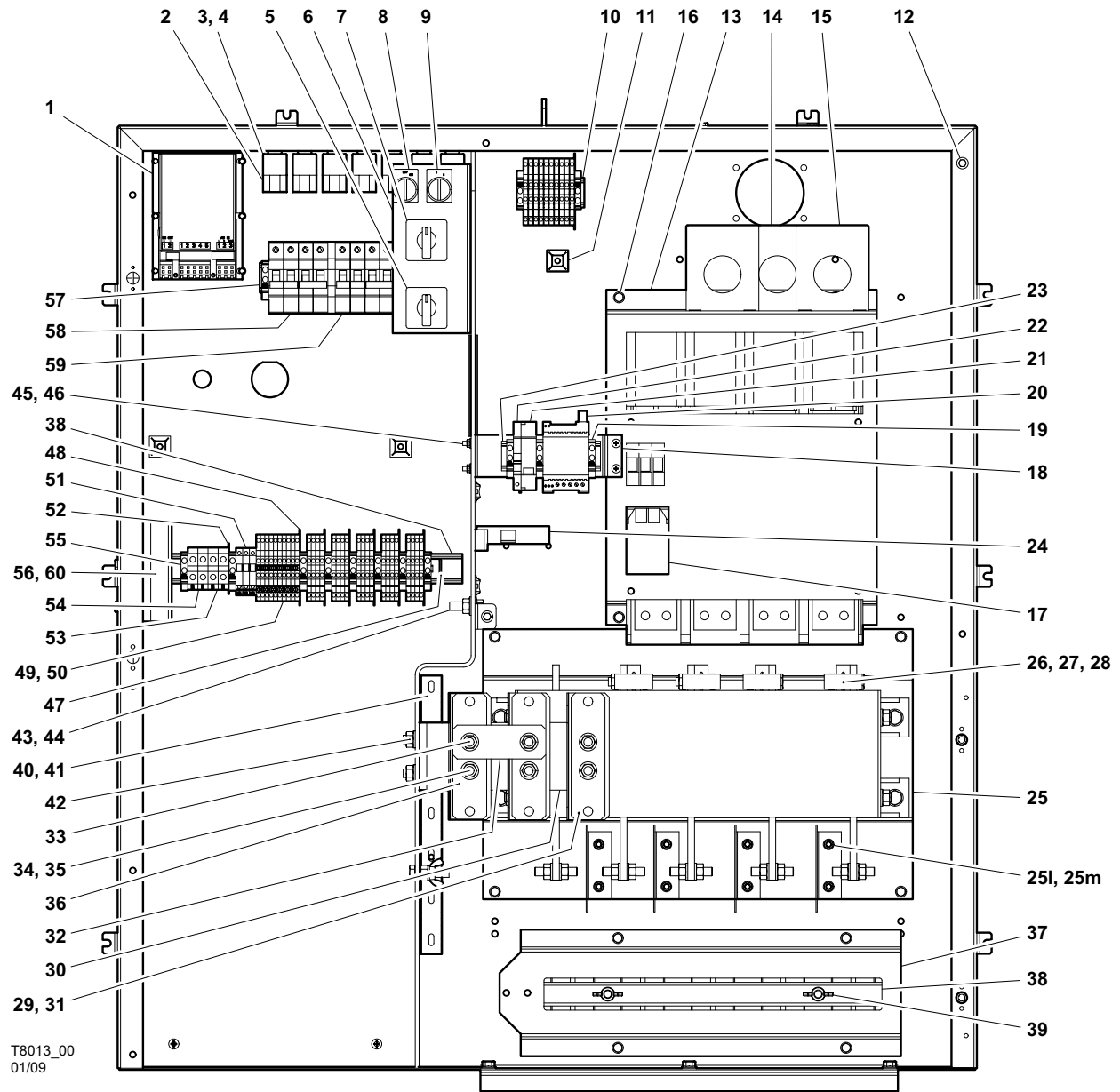


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G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
1a	23212830	Charger, battery	1	24V 5A, SSP Option
1b	23212772	Charger, battery	1	24V 5A, SSP Option
2	46541017	Base, relay	7	24VDC
3	46541009	Relay	7	
4	96738828	Screw	10	
5	46551597	Switch, voltage	1	
6	46541173	Bracket, mode switch	1	
7	46541066	Switch, mode	1	
8	46551585	Switch, contact set	1	
9	46551586	Switch, contact set	1	
10	46551576	Rail, DIN	1	
11	93524007	Plate	15	
12	36898096	Screw, flange	4	50/60Hz, Option
13	46541207	Bracket, circuit breaker	1	
14	22931737	Transformer, current	2	
15	22931737	Transformer, current	1	
16	92184811	Screw, flanged	12	
17	46551507	Circuit breaker assembly	1	
18	46551543	Spacer, monitoring relay	1	
19	22750970	Lock, terminals	15	
20	23269244	Relay, monitoring	1	
21	23293764	Breaker	1	C60 1P Typ OF
22	23293772	Contact	1	
23	23276355	Rail, DIN	1	
24	23269236	Transformer, current	1	
25	46551519	Terminal assembly	1	
25a	46551520	Bracket, terminal	1	
25b	23375769	Holder, bus bar	4	
25c	23375777	Block, holder	32	
25d	46502019	Terminal	5	
25e	23375785	Bolt, stud	10	
25f	23385255	Guard, terminal	4	M10
25g	92061498	Washer	52	
25h	92304526	Nut	39	
25i	46501326	Bolt, stud	2	
25j	23385263	Bolt, stud	2	
25k	96702287	Screw	9	
25l	92341981	Washer	8	
25m	92304500	Nut	8	
25n	46500609	Cover	1	
25o	46501276	Plate, spread	5	
26	96704556	Screw	5	M10
27	46501292	Lockwasher	10	
28	46551552	Wire bond	4	
29	46551528	Barrier	3	
				Continued.....

G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG



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G500 POWER PEDESTAL ASSEMBLY SYNCHRO MG

ITEM	COMM. NO.	DESCRIPTION	QTY	DIMENSIONS/NOTES
30	46551526	Bracket, terminals	1	 <i>Continued</i>
31	46551519	Terminal assembly	3	40 x 10
32	23333230	Jumper, terminal	1	40 x 10
33	96737572	Nut, flange	6	
34	92304526	Nut, flange	13	M10
35	92061498	Washer	10	M10
36	46551530	Isolator, distance	6	
37	46551525	Support, cable	1	
38	23376304	Holder, cable	1	
39	22787436	Wingnut	3	M10
40	46551594	Bracket, trunking	2	
41	46551593	Trunking, cable	1	
42	96702287	Screw	2	
43	36879195	Nut, flange	1	
44	36880995	Screw	1	
45	23201072	Nut	2	
46	96703251	Screw	2	
47	46540787	Buzzer	1	
48	46551676	End plate, terminals	7	
49	46541058	Cross connection	2	
50	46541041	Terminal, double	40	
51	22747299	Holder, fuse	3	
52	46551675	End plate, terminals	1	Blue
53	46551579	Terminal, phase	1	
54	22750699	Terminal, phase	3	
55	46540803	Rail, DIN	1	
56	23308174	Rail, DIN	1	
57	22734859	Rail, DIN	1	
58	46551563	Circuit breaker assembly	1	
59	46551561	Breaker, circuit	1	
60	46551708	Module, analogue	1	

WORD INDEX

A

Auxiliary contact 13, 19
 Auxiliary contacts 7

B

Barrier 15, 21
 Base, relay 9, 15, 21
 Block, holder 9, 15, 21
 Bolt, stud 9, 15, 21
 Bracket, circuit breaker 9, 15, 21
 Bracket, mode switch 9, 15, 21
 Bracket, monitoring relay 9
 Bracket, terminal 9, 15, 21
 Bracket, terminals 17, 23
 Bracket, trunking 11, 17, 23
 Breaker 9, 15, 21
 Breaker, circuit 11, 17, 23
 Buzzer 11, 17, 23

C

Cable entry clamping bracket 7, 13, 19
 Cable holder 7, 13, 19
 Cable rubber entry 7, 13, 19
 Cable, door assembly 7, 13, 19
 Cable, USB 7, 13, 19
 Ccable door hinge 7, 13, 19
 Charger, battery 9, 15, 21
 Circuit breaker 7, 13, 19
 Circuit breaker assembly 7, 9, 11, 13, 15, 17, 19, 21, 23
 Circuit breaker cover 7, 13, 19
 Circuit breaker, motor operated 13, 19
 Conduit assembly 7, 13, 19
 Connector, circuit breaker 13, 19
 Contact 9, 15, 21
 Control panel 7, 13, 19
 Control panel hinge 7, 13, 19
 Controller deif, assembly 7, 13, 19
 Cover 11, 15, 21
 Cross connection 11, 17, 23

D

Decal, controls synchro 7, 13, 19
 Door rubber 7, 13, 19

E

Enclosure 7, 13, 19
 End plate, terminals 11, 17, 23

F

Front terminals bottom 13, 19
 Front terminals top 13, 19

G

Guard, door edge 7, 13, 19
 Guard, terminal 9, 15, 21

H

Holder, bus bar 9, 15, 21
 Holder, cable 11, 17, 23
 Holder, fuse 11, 17, 23

I

Isolator, distance 17, 23

J

Jumper, terminal 9, 17, 23

L

Lamp minature 7, 13, 19
 Line cord assembly 7, 13, 19
 Lock, terminals 11, 15, 21
 Lockwasher 9, 15, 21

M

Module, analogue 11, 17, 23
 Motor operator 7

N

Nut 9, 11, 15, 17, 21, 23
 Nut, flange 7, 11, 13, 17, 19, 23
 Nut, hex light self locking 7, 13, 19
 Nut, hex light self-locking 7, 13, 19

O

Oval head stud 7, 13, 19

P

Parts Ordering 3
 Plate 9, 15, 21
 Plate, spread 11, 15, 21
 Pocket, circuit breaker 7

R

Rail, DIN 9, 11, 15, 17, 21, 23
 Receptacle 7, 13, 19
 Relay 9, 15, 21
 Relay, monitoring 9, 15, 21
 Rivet 7, 13, 19

S

Screw 9, 11, 15, 17, 21, 23
 Screw, flange 15, 21
 Screw, flanged 9, 15, 21
 Screw, hex head flange 7, 13, 19
 Screw, mach phillips pan hd recess 7, 13, 19
 Screw, machine pan head 7, 13, 19
 Screw, whiz lock 7, 13, 19
 Socket panel assembly 7, 13, 19
 Spacer, monitoring relay 15, 21
 Spacer, toroid 9
 Support, cable 11, 17, 23

WORD INDEX

Switch, contact set 9, 15, 21
Switch, deif controller 7, 13, 19
Switch, mode 9, 15, 21
Switch, voltage 9, 15, 21

T

Terminal 9, 15, 21
Terminal assembly 9, 15, 17, 21, 23
Terminal, double 11, 17, 23
Terminal, phase 11, 17, 23
Terminal, ring 11
Transformer, current 9, 15, 21
Trip coil undervoltage 13, 19
Trunking, cable 11, 17, 23

U

Undervoltage release 7

W

Washer 9, 15, 17, 21, 23
Wing nut 7, 13, 19
Wingnut 11, 17, 23
Wire bond 9, 15, 21

WORD INDEX

NUMERICAL INDEX

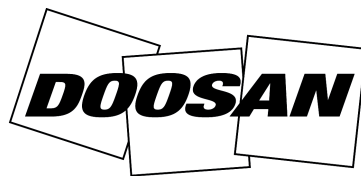
COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
22465207	7	23269236	9	36879195	11
.....	13	.....	15	.....	17
.....	19	.....	21	.....	23
22511901	7	23269244	9	36880995	11
.....	13	.....	15	.....	17
.....	19	.....	21	.....	23
22515605	7	23276355	9	36898096	7
.....	13	.....	15	.....	13
.....	19	.....	21	.....	15
22734859	11	23293764	9	.....	19
.....	17	.....	15	.....	21
.....	23	.....	21	46500591	9
22747299	11	23293772	9	46500609	15
.....	17	.....	15	.....	21
.....	23	.....	21	46500708	9
22750699	11	23308026	9	.....	11
.....	17	23308174	9	46501268	9
.....	23	.....	17	46501276	11
22750970	11	.....	23	.....	15
.....	15	23309701	11	.....	21
.....	21	23309792	9	46501292	9
22787436	7	23321243	13	.....	15
.....	11	.....	19	.....	21
.....	13	23333230	17	46501326	15
.....	17	.....	23	.....	21
.....	19	23366917	9	46502019	15
.....	23	23375314	9	.....	21
22857676	7	23375769	9	46539656	7
.....	13	.....	15	.....	13
.....	19	.....	21	.....	19
22881809	7	23375777	9	46539664	9
22882807	7	.....	15	46539672	9
22911051	9	.....	21	46539680	7
22924690	7	23375785	9	46539961	7
22929228	13	.....	15	.....	13
.....	19	.....	21	.....	19
22931737	15	23375793	9	46539987	7
.....	21	23376304	11	.....	13
23046253	7	.....	17	.....	19
.....	13	.....	23	46540019	7
.....	19	23377179	11	46540787	11
23117211	7	23383987	9	.....	17
.....	13	23385255	15	.....	23
.....	19	.....	21	46540803	11
23201072	7	23385263	15	.....	17
.....	13	.....	21	.....	23
.....	17	23385669	9	46541009	9
.....	19	35144336	7	.....	15
.....	23	.....	13	.....	21
23212772	9	.....	19	46541017	9
.....	15	36852622	7	.....	15
.....	21	.....	13	.....	21
23212830	9	.....	19	46541041	11
.....	15	36865293	7	.....	17
.....	21	.....	13	.....	23
		.....	19		

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
46541058	11	46551576	9	46551769	7
.....	17	.....	15	.....	13
.....	23	.....	21	.....	19
46541066	9	46551579	11	46551773	7
.....	15	.....	17	.....	13
.....	21	.....	23	.....	19
46541157	11	46551585	9	46552225	7
46541173	9	.....	15	.....	13
.....	15	.....	21	.....	19
.....	21	46551586	9	54627617	7
46541207	15	.....	15	.....	13
.....	21	.....	21	.....	19
46541215	13	46551593	11	92061498	9
.....	19	.....	17	.....	15
46551507	19	.....	23	.....	17
.....	21	46551594	11	.....	21
46551508	19	.....	17	.....	23
46551509	13	.....	23	92184811	9
.....	19	46551597	9	.....	15
46551510	13	.....	15	.....	21
.....	19	.....	21	92304500	15
46551511	13	46551609	13	.....	21
.....	19	46551610	13	92304526	9
46551512	13	.....	15	.....	15
.....	19	46551637	7	.....	17
46551519	15	46551643	9	.....	21
.....	17	46551650	9	.....	23
.....	21	46551654	9	92341981	9
.....	23	.....	15	.....	15
46551520	15	.....	21	.....	21
.....	21	46551655	9	93524007	9
46551525	17	46551656	7	.....	15
.....	23	46551673	7	.....	21
46551526	17	46551674	13	95923314	7
.....	23	.....	19	.....	13
46551528	15	46551675	11	.....	19
.....	21	.....	17	95928800	7
46551530	17	.....	23	.....	13
.....	23	46551676	11	.....	19
46551543	15	.....	17	95942595	7
.....	21	.....	23	.....	13
46551552	15	46551678	13	.....	19
.....	21	.....	19	96702287	9
46551555	13	46551690	7	.....	15
.....	19	.....	9	.....	17
46551561	11	46551691	7	.....	21
.....	17	46551692	7	.....	23
.....	23	46551693	7	96703251	7
46551563	11	46551694	7	.....	13
.....	17	.....	13	.....	17
.....	23	.....	19	.....	19
46551568	7	46551708	11	.....	23
.....	13	.....	17	96703806	11
.....	19	.....	23	96704556	15
				.....	21

NUMERICAL INDEX

COMM.NO.	PAGE	COMM.NO.	PAGE	COMM.NO.	PAGE
96737572	17				
.....	23				
96738828	7				
.....	9				
.....	13				
.....	15				
.....	19				
.....	21				



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