

10.1 ALPHA 850 parts list

Item	No.	Spare part designation	Order no.
1	1	Casing upper part	91-04-25
2	2	Ring bolt M8 DIN 580	87-05-59
3	2	Serrated lock washer A8.4 DIN 6798	38-10-81
4	2	Bow-type handle	87-05-18
5	4	Hexagon bolt M6 x 16 DIN 933	38-09-78
6	4	Lock nut M6	38-10-80
7	14	Cross-head screw M6 x 12 DIN 7985	38-03-18
8	16	Serrated lock washer A6.4 DIN 6798	38-10-82
9	1	Front plate	91-04-26
10	1	Mains switch, complete	85-01-64
11	1	Earthing bar	86-02-83
12	2	Lock nut M4	38-10-92
13	5	Washer B4.3 DIN 125	38-08-28
14	5	Split washer A4 DIN 127	38-08-93
15	3	Cheese-head screw M4 x 8 DIN 912	38-04-44
16	1	Screening plate	91-04-21
17	2	Turning knob, complete	87-02-42
18a	1	Mains cable 400V (4 x 6 mm ²)	66-04-29
18b	1	Mains cable 400V (4 x 10 mm ²)	66-00-78
18c	1	Mains cable 500V (4 x 6 mm ²)	66-04-48
19a	1	Mains cable cleat PG 21 for mains cable (4 x 6 mm ²)	86-41-62
19b	1	Mains cable cleat PG 29 for mains cable (4 x 10 mm ²)	86-42-23
20a	1	Counter nut for PG 21	86-41-92
20b	1	Counter nut for PG 29	86-42-24
21	5	LED holder, one-piece	86-42-73
22a	1	Control socket with filter (4-pole)	66-04-19
22b	1	Control socket with filter (7-pole)	66-04-41
23	2	Cross-head screw M3 x 10 DIN 7985	38-11-03
24	2	Weld socket DIX 50	85-10-02

Stud Welding Unit ALPHA 850
for the drawn-arc and short-cycle welding methods

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Item	No.	Spare part designation	Order no.
25	2	Filter capacitor	66-04-18
26	1	Welding cable 0.35m (welding socket - power block)	66-01-59
27	1	Circuit board LP ALPHA 850	66-01-28
28	2	Distance sleeve \varnothing inner 5.6 x 16	87-07-53
29	2	Lock nut M5	38-10-93
30	1	Circuit board LP-GZ ALPHA 850 (optional)	66-01-30
31	4	Spacer (optional)	87-08-82
32	1	Ribbon cable, 13-pole (optional)	66-05-47
33	3	Contact washer	38-17-67
34	9	Cheese-head screw M5 x 12 DIN 912	38-04-31
35	2	Steering roller	87-05-73
36	16	Safety screw M8 x 12	38-11-00
37	2	Fixed roller	87-05-74
38	1	Casing lower part	91-04-24
39	1	Cold plate for power block	91-06-44
40	4	Countersunk head screw M5 x 12 DIN 964	38-02-17
41	1	Mains filter	66-04-14
42	2	Cheese-head screw M5 x 60 DIN 912	38-04-26
43	19	Split washer A5 DIN 127	38-08-94
44	19	Washer B5.3 DIN 125	38-08-27
45	1	Connecting cable for power block SKKT 122/08 D	66-05-56
46	1	Welding cable 0.91m (power block - shunt)	66-01-53
47	2	Bridge for power block SKKT 122/08 D	91-05-47
48	6	Cheese-head screw M5 x 16 DIN 912	38-04-29
49	3	Power block SKKT 122/08 D	86-02-75
50	3	Hexagon bolt M5 x 35 DIN 933	38-07-33
51	5	Flat-pin plug, form B	86-41-63
52	1	Connecting cable for power block SKKH 26/04 D	66-01-27
53	1	Free-wheeling diode for pilot arc	85-90-55
54	1	Bridge for power block SKKH 26/04 D	91-02-34
55	1	Split washer A6 DIN 127	38-08-95
56	2	Hexagon nut M6 DIN 934	38-08-65
57	1	Hexagon bolt M5 x 10 DIN 933	38-10-84
58	1	Lock nut M5	38-10-93

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Item	No.	Spare part designation	Order no.
59	1	Bridge for power block SKKH 26/04 D	91-03-12
60	3	Power block SKKH 26/04 D	86-02-76
61	1	Fan	85-81-98
62	1	Serrated lock washer A4.3 DIN 6798	38-08-11
63	2	Cheese-head screw M4 x 14 DIN 912	38-05-52
64	1	Switch for shielding gas (optional)	66-01-71
65	1	Shielding gas valve combination, complete (optional)	66-05-48
65.1	1	Shielding gas valve, premounted (optional)	66-05-49
65.2	2	Hexagon nut M14 DIN 439 (optional)	38-09-29
65.3	1	Coupler socket KD-1/8 with conical nipple (optional)	90-03-07
65.4	1	Coupler plug KS-1/8 with conical nipple (optional)	90-03-14
66	1	Ribbon cable, 34-pole	87-05-32
67a	1	Welding transformer (400V)	85-82-72
67b	1	Welding transformer (500V)	85-82-74
67c	1	Welding transformer (230V/400V)	85-82-76
68	1	Pilot arc choke	85-81-80
69	2	Cheese-head screw M5 x 25 DIN 912	38-04-87
70	1	Connecting cable for shunt	66-01-52
71	1	Protective tube for shunt	66-04-42
72	6	Washer B13 DIN 125	38-08-24
73	1	Shunt 600A/60mV	86-11-62
74	2	Hexagon nut M12 DIN 934	38-08-56
75	2	Split washer A12 DIN 127	38-08-98
76	1	Welding cable 0.89m (Shunt - earth socket)	66-01-54
77	1	Protective tube for pilot arc choke (0.5m)	66-04-43
78	4	Hexagon bolt M8 x 16 DIN 933	38-07-16
79	4	Split washer A8 DIN 127	38-08-96
80	4	Washer B8.4 DIN 125	38-08-26

