

7.4 Compatibility

7.4.1 Replacement Boards

The following table shows which old power supply boards can be replaced by new boards and the conditions which must be fulfilled.

Table 7-4 Replacement boards

Board	Replacement Board	Restrictions/Conditions
SMP-E423-A1 SMP-E423-A2 SMP-E423-A3	SMP-E431-A6	At +5 V: 20 A only with fan Open pins 4 (SD), 14 (+12 V), 22 (–12 V) Additional 2-slot front plate required Change installation geometry ¹ .
SMP-E423-A30	Cannot be replaced	Master-slave boards are no longer part of our product program.
SMP-E424-Ax	Cannot be replaced	± 12 V outputs with 4 A are no longer part of our product program.
SMP-E425-A1 SMP-E425-A2 SMP-E425-A3	SMP-E430-A6	At ± 15 V only 1.5 A (instead of 3.2 A) No SD, no PF, no sensors available anymore Change installation geometry. Additional 4-slot front plate required.
SMP-E426-A1 SMP-E426-A2 SMP-E426-A3	Can be replaced under certain conditions SMP-E431-A6	–5 V outputs are no longer part of our product program. Only if no –5 V required. At –12 V, only 0.5 A (instead of 2 A) Open pin 4 (SD). Additional 2-slot front plate required Change installation geometry ¹ .
SMP-E427-A1 SMP-E427-A2 SMP-E427-A3	Cannot be replaced	Combination of ± 15 V outputs with other voltages is no longer part of our product program.
SMP-E428-A1 SMP-E428-A2 SMP-E428-A3	SMP-E432-A8	For –12 V, only 0.5 A (instead of 1.2 A) Change installation geometry. Requires 3 slots instead of 2 (not with SMP-E428-A3).
SMP-E429-A3	Cannot be replaced	24 V outputs are no longer part of our product program.
SMP-E430-A1 SMP-E430-A2	SMP-E430-A6	Change installation geometry.
SMP-E431-A1 SMP-E431-A2 SMP-E431-A3	SMP-E431-A6	No SD (open pin 4), no more +12 V sensor Additional 2-slot front plate required Change installation geometry ¹ .
SMP-E431-A5	SMP-E431-A6	No more +12 V sensor Different pin allocation. See table 7-5. Change installation geometry ¹ .

Table 7-4 Replacement boards, continued

Board	Replacement Board	Restrictions/Conditions
SMP-E431-A6 to KS 5	SMP-E431-A6 from KS 6	Change installation geometry ¹ .
SMP-E431-A61	SMP-E431-A6 from KS 6	Change installation geometry ¹ .
SMP-E432-A5	SMP-E432-A8	Additional power failure monitoring and sensors (0 V, +5 V) Change installation geometry: Move guide rails, H15 connector stays the same.
SMP-E432-A6 SMP-E432-A7	SMP-E432-A8	Additional power failure monitoring Change installation geometry: Move guide rails, H15 connector stays the same.
SMP-E433-A6	Cannot be replaced	
SMP-E434-A6	Cannot be replaced	+12 V outputs with 6 A are no longer part of our product program.
SMP-E435-A6	Cannot be replaced	+5 V outputs with 35 A are no longer part of our product program.
SMP-E440-A2	Cannot be replaced	+24 V inputs are no longer part of our product program.
SMP-E441-A2	Cannot be replaced	+24 V inputs are no longer part of our product program.
SMP16-SV431 KS 1	SMP16-SV431 from KS 2	Change installation geometry ¹ .

1) Move left-hand guide rails to the right. The right-hand guide rails are no longer needed.

Pin	SMP-E430-Ax	SMP-E431-A5	SMP-E431-A6	SMP-E432-A5	SMP-E432-A8
4	–	–	+5 V	–	–
6	–	PF*	PF*	–	PF*
8	–	0 VF	0 VF	(0 VF)	(0 VF)
10	–	+5 VF	+5 VF	(+5 VF)	(+5 VF)
12	–	+5 V	+5 V	+5 V	+5 V
14	+15 V	+12 V	+12 V	+12 V	+12 V
16	0 V	0 V	0 V	0 V	0 V
18	0 V	0 V	0 V	0 V	0 V
20	–	–	–	–	–
22	–15 V	–12 V	–12 V	–12 V	–12 V
24	–	–	–	–	–
26	–	+12 VF	–	–	–
28	Power	Power	Power	Power	Power
30	Power	Power	Power	Power	Power
32	PE	PE	PE	PE	PE

Pin	SMP-E433-A6	SMP-E434-A6	SMP-E435-A6	SMP-E436-A6	SMP-E440-Ax
4	+5 V	–	PF*	+5 V	–
6	PF*	–	+5 VF	+5 V	–
8	0 VF	–	0 VF	–5 V	–
10	+5 VF	–	+5 V	–5 V	–
12	+5 V	–	+5 V	+12 V	–
14	–	+12 V	+5 V	–12 V	+15 V
16	0 V	0 V	+5 V	+12 V	0 V
18	0 V	0 V	0 V	–12 V	0 V
20	–	–	0 V	–	–
22	–	–	0 V	PF*	–15 V
24	–	–	0 V	–	–
26	–	–	–	–	–
28	Power	Power	Power	Power	+Ue (24 VDC)
30	Power	Power	Power	Power	–Ue (0 VDC)
32	PE	PE	PE	PE	PE