

Pin Configuration HP8441 Power Control Module 2022

Connector – M8

Pin	Channel No	Individual Switching	Max Current	Current Measurement	Wire Size (mmsq)
1	1	-	200	-	35

Connector #1 – Terminal A – 23 Pin

Pin	Channel No	Individual Switching	Max Current	Current Measurement	Wire Size (AWG)
1	Output LP27	No / CAN switch	3.0	No	16
2	Output LP28	No / CAN switch	3.0	No	16
3	Output LP29	No / CAN switch	3.0	No	16
4	Output LP30	No / CAN switch	3.0	No	16
5	Output LP34	No / CAN switch	3.0	No	16
6	Output LP33	No / CAN switch	3.0	No	16
7	Output LP32	No / CAN switch	3.0	No	16
8	Output LP32	No / CAN switch	3.0	No	16
9	GND	Ground (-)			16
10	Reset /LED	Reset / LED+ Short Output to GND = RESET	3.0	No	16
11	CAN LOW			-	16
12	CAN GND			-	16
13	CAN HIGH			-	16
14	Output 12V	12+ Out from B+ Internal Fused 0.5A	0.5	No	16
15	Input + Ign.	Ignition Input mode + from Switch		-	16
16	Output LP19	No / CAN switch	3.0	No	16
17	Output LP20	No / CAN switch	3.0	No	16
18	Output LP21	No / CAN switch	3.0	No	16
19	Output LP22	No / CAN switch	3.0	No	16
20	Output LP26	No / CAN switch	3.0	No	16
21	Output LP25	No / CAN switch	3.0	No	16
22	Output LP24	No / CAN switch	3.0	No	16
23	Output LP23	No / CAN switch	3.0	No	16

Chassis Box is GND

Connector #2 – Terminal B – 35 Pin

Pin	Channel No	Output 17	Max Current	Current Measurement	Wire Size (AWG)
1	Output HP 1	No / CAN switch	30.0*	Yes	16
2	Output HP 1	No / CAN switch	30.0*	Yes	16
3	Output HP 7	No / CAN switch	30.0*	Yes	16
4	Output HP 7	No / CAN switch	30.0*	Yes	16
5	Output HP 10	No / CAN switch	30.0	Yes	16
6	Output HP 8	No / CAN switch	30.0	Yes	16
7	Output HP 15	No / CAN switch	30.0	Yes	16
8	Output HP 12	No / CAN switch	30.0	Yes	16
9	Output HP 18	No / CAN switch	30.0	Yes	16
10	Output HP 14	No / CAN switch	30.0	Yes	16
11	Output HP 17	No / CAN switch	30.0	Yes	16
12	GND	-	-	-	16
13	Input Switch 1	SW channel 1	SW to +	-	16
14	Input Switch 2	SW channel 2	SW to GND	-	16
15	Input Switch 3	SW channel 3	SW to GND	-	16
16	Input Switch 4	SW channel 4	SW to GND	-	16
17	Input Switch 5	SW channel 5	SW to GND	-	16
18	Input Switch 6	SW channel 6	SW to GND	-	16
19	Input Switch 7	SW channel 7	SW to GND	-	16
20	Input Switch 8	SW channel 8	SW to GND	-	16
21	Input Switch 9	SW channel 9	SW to GND	-	16
22	Input Switch 10	SW channel 10	SW to GND	-	16
23	Input Switch 11	SW channel 11	SW to GND	-	16
24	Output HP 11	No / CAN switch	30.0*	Yes	16
25	Output HP 11	No / CAN switch	30.0*	Yes	16
26	Output HP 9	No / CAN switch	30.0*	Yes	16
27	Output HP 9	No / CAN switch	30.0*	Yes	16
28	Output HP 2	No / CAN switch	30.0	Yes	16
29	Output HP 16	No / CAN switch	30.0	Yes	16
30	Output HP 4	No / CAN switch	30.0	Yes	16
31	Output HP 3	No / CAN switch	30.0	Yes	16
32	Output HP 13	No / CAN switch	30.0*	Yes	16
33	Output HP 13	No / CAN switch	30.0*	Yes	16
34	Output HP 5	No / CAN switch	30.0	Yes	16
35	Output HP 6	GND WHEN NOT ACTIVE * No / CAN switch	30.0	Yes	16

Note: * This is double pinned outputs (Output 1,7,9,11,13)
Maximum load 65A – Inrush 90A

No = Normally open – Outputs sends out + when active