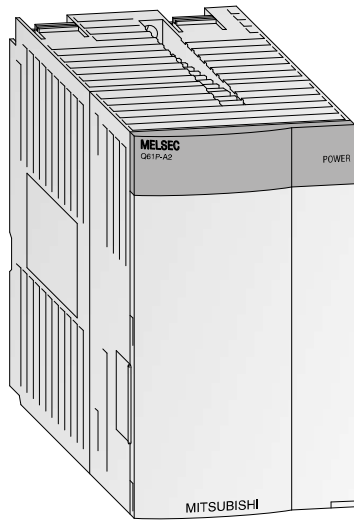


■ Power supply modules



Power supply modules

The power supply modules supply the voltages required for operation to the individual modules. The choice is dependent on the power consumption of the individual modules (this is especially important when using multiple CPUs.)

Special features:

- The readiness for operation is indicated by a LED.
- By use of the power supply Q63P it is possible that controllers can be supplied by means of additional 24 V DC output.
- The power supply modules Q62P can be used world-wide because they support the wide input range from 100 to 240 V AC at 50/60 Hz.
- The Q63RP and Q64RPN power supplies can be used with all CPUs (except the Q00JCPU) to increase the system availability level. All redundant power supplies can be replaced while the system is in RUN mode without interrupting control operation.
- Two redundant power supplies in a redundant base unit are required for a redundant power supply configuration.

Specifications		Q61P	Q61P-D	Q61SP	Q62P	Q63P	Q63RP	Q64PN	Q64RPN	Q5061P-A1	Q5061P-A2	
Input voltage	(+10 %, -15 %) V AC	85–264	100–240	85–264	100–240	—	—	100–240	100–240	100–120	200–240	
	(+30 %, -35 %) V DC	—	—	—	—	24	24	—	—	—	—	
Input frequency	Hz	50/60 (±5 %)	50/60 (±5 %)	50/60 (±5 %)	50/60 (±5 %)	—	—	50/60 (±5 %)	50/60 (±5 %)	50/60 (±5 %)	50/60 (±5 %)	
Inrush current		20 A within 8 ms	20 A within 8 ms	20 A within 8 ms	20 A within 8 ms	81 A within 1 ms	150 A within 1 ms	20 A within 1 ms	20 A within 1 ms	20 A within 8 ms	20 A within 8 ms	
Max. input apparent power		120 VA	130 VA	40 VA	105 VA	45 W	65 W	160 VA	160 VA	125 VA	125 VA	
Rated output current	5 V DC	A	6	2	3	6	8.5	8.5	8.5	6	6	
	24 V DC ±10 %	A	—	—	0.6	—	—	—	—	—	—	
Overcurrent protection	5 V DC	A	≥6.6	≥6.6	≥2.2	≥3.3	≥5.5	≥5.5	≥9.9	≥6.6	≥6.6	
	24 V DC	A	—	—	—	≥0.66	—	—	—	—	—	
Overvoltage protection	5 V DC	V	5.5–6.5	5.5–6.5	5.5–6.5	5.5–6.5	5.5–6.5	5.5–6.5	5.5–6.5	5.5–6.5	5.5–6.5	
Efficiency			≥70 %	≥70 %	≥65 %	≥70 %	≥70 %	≥65 %	≥70 %	≥65 %	≥70 %	
Insulation withstand voltage	Between primary and 5 V DC		2830 V AC, 1 min.	2830 V AC, 1 min.	2830 V AC, 1 min.	2830 V AC, 1 min.	500 V AC, 1 min.	500 V AC, 1 min.	2830 V AC, 1 min.	2830 V AC, 1 min.	2830 V AC, 1 min.	
	Between primary and 24 V DC		—	—	—	2830 V AC, 1 min.	—	—	—	—	—	
Max. compensation time at power failure	ms	20	20	20	20	10	10	20	20	20	20	
Power indicator		All modules possess a power LED display.										
Terminal screw size		All modules possess terminal screw size M 3.5 x 7 mm.										
Applicable wire size	mm ²	0.75–2 (AWG 18–14)	0.75–2 (AWG 18–14)	0.75–2 (AWG 18–14)	0.3–2 (AWG 18–14)	0.3–2 (AWG 16–22)	0.75–2 (AWG 16–22)	0.75–2 (AWG 11–22)	0.75–2 (AWG 11–22)	0.75–2	0.75–2	
Weight	kg	0.30	0.30	0.39	0.50	0.47	0.40	0.47	0.47	0.40	0.40	
Dimensions (WxHxD)	mm	55.2x98x90	55.2x98x90	27.4x98x104	55.2x98x90	55.2x98x90	83x98x115	55.2x98x115	55.2x98x115	55.2x98x115	55.2x98x115	
Order information	Art. no.	190235	221860	147286	140379	136371	166091	217627	157065	203207	203208	