



Mitsubishi PLC

2001 No.167E

NEW PRODUCT RELEASE

Power Supply Module for MELSEC-Q Series Q64P

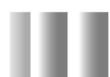
New!

***A large capacity 'AC input power supply module'
is now available for the MELSEC-Q Series!***

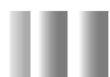


Large output capacity: 8.5A

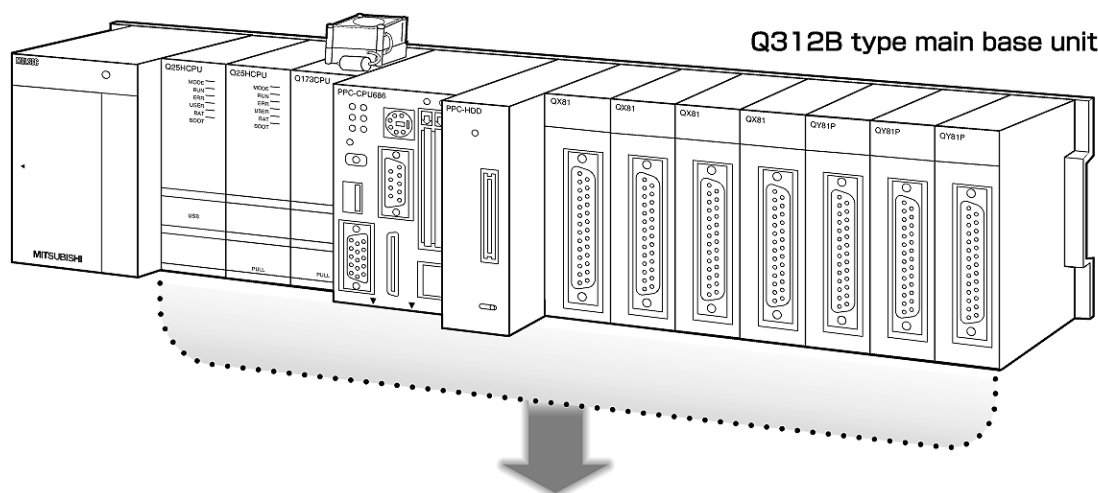
Current output increased by 2.5A compared to the Q61P-A1/A2 (6A)



Compatibility with both 100VAC and 200VAC input power supplies



CE-marked



Q312B type main base unit

It is now possible to configure a system with the Q64P supplying an output current of 8.5A at 5VDC.

[Features]

- Large 5VDC output current capacity: 8.5A
Q64P works safely in a multiple PLC system with large current consumption.
You can reduce the cost by combining Q64P with an extension base unit that does not require power supply (Q5□B).
- It is compatible with both 100VAC and 200VAC input power supplies.
- CE marked.

[Specification]

Item		Type	Q64P
Base mounting position			Power supply module mounting slot
Applicable base unit			Q3□B, Q6□B
Input power supply *1			100 to 120VAC/200 to 240VAC (+10%/-15%) (85 to 132VAC/170 to 264VAC)
Input frequency			50/60Hz ±5%
Input voltage distortion factor			Within 5%
Max. input apparent power			160VA
Inrush current			20A within 8ms
Rated output current	5VDC		8.5A
	24VDC		—
Overcurrent protection	5VDC		9.9 to 14.4A
	24VDC		—
Overvoltage protection	5VDC		5.5 to 6.5V
	24VDC		—
Efficiency			70% or more
Permissible instantaneous power failure time			Within 20ms
Dielectric withstand voltage			Across inputs/LG and outputs/FG 2,830VAC rms/3 cycles (2000 m (6562 ft.))
Insulation resistance			Across inputs and outputs (LG and FG separated), across inputs and LG/FG, across outputs and FG/LG 10MΩ or more by insulation resistance tester
Noise immunity			• By noise simulator of 1,500Vp-p noise voltage, 1 μs noise width and 25 to 60Hz noise frequency • Noise voltage IEC61000-4-4, 2kV
Operation indication			LED indication (lit at 5VDC output)
Fuse			Built-in (Unchangeable by user)
Contact output section	Application		ERR contact (contact switched off (opened: normally closed contact) at an error stop of CPU), for CPU module operating status output
	Rated switching voltage/current		24VDC, 0.5A
	Minimum switching load		5VDC, 1mA
	Response time		OFF to ON: 10ms max. ON to OFF: 12ms max.
	Life		Mechanical : More than 2 million times Electrical : More than 100 thousand times at rated switching voltage/current
	Surge suppressor		None
	Fuse		None
Terminal screw size			M3.5 × 7
Applicable wire size			0.75 to 2mm ²
Applicable crimping terminal			RAV1.25 to 3.5, RAV2 to 3.5
Applicable tightening torque			59 to 88N•cm
Level of protection			IP1X
External dimensions [mm (in.)]			98(H) × 59.2(W) × 115(D) (3.86 × 2.33 × 4.53)
Weight (kg)			0.40

*1: Q64P automatically switches the input range (100VAC or 200VAC).
Therefore, it does not comply with intermediate voltage of 100V and 200V (133 to 169VAC).
The CPU module may not work normally if the above intermediate voltage is supplied to Q64P.

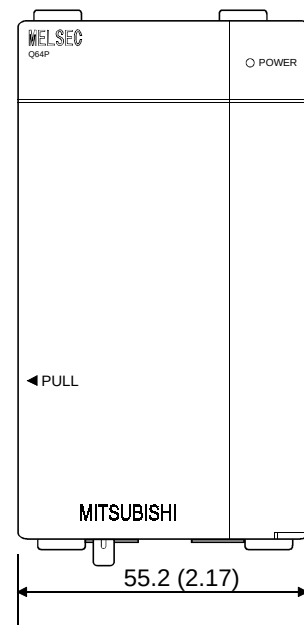
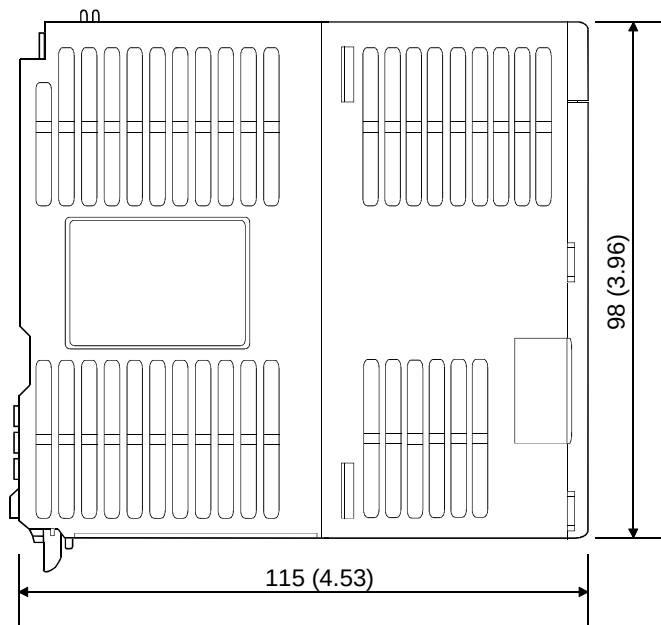
Comparison of Q Series Power Supply Modules

Item \ Type		Q64P NEW	Q61P-A1	Q61P-A2	Q62P	Q63P
Input power supply		100/200VAC	100VAC	200VAC	100-200VAC	24VDC
Rated output current	5VDC	8.5A	6A	6A	3A	6A
	24VDC *	-	-	-	0.6A	-

*: 24VDC rated output current is used to supply to the module that requires external 24VDC power supply.

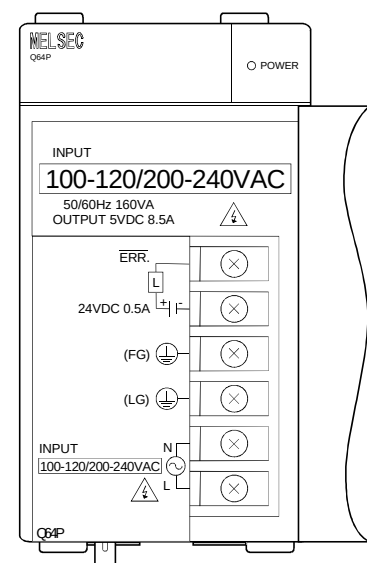
- The Q Series line-up includes various power supply modules, from which you can select the most appropriate module for your particular application.

[External Dimensions]



Unit:mm(inch)

[Terminal Layout]



(Without the terminal cover)

[Manual]

Manual name	Manual supply status	IB/SH No.	Model code
QCPU(Q Mode) User's Manual(Hardware)	Included with the main base unit (Q3□B-E)	IB-0800061	13JL96
Basic model QCPU(Q Mode) User's Manual (Hardware Design, Maintenance and Inspection)	Sold separately	SH-080187	13JR43
High Performance model QCPU(Q Mode) User's Manual (Hardware Design, Maintenance and Inspection)	Sold separately	SH-080037	13JL97

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Indonesia	P.T. Autoteknindo SUMBER MAKMUR JL. MUARA KARANG SELATAN BLOK A UTARA NO.1 KAV. NO.11 KAWASAN INDUSTRI/ PERGUDANGAN JAKARTA - UTARA 14440	Tel : +62-21-663-0833 Fax : +62-21-663-0832
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NAGOYA WORKS : 1-14, YADA-MINAMI5, HIGASHI-KU, NAGOYA, JAPAN