

2.11 QX42 DC Input Module (Positive Common Type)

Specifications		Type	DC Input Module (Positive Common Type)	Appearance
			QX42	
Number of input points			64 points	
Isolation method			Photocoupler	
Rated input voltage			24VDC (+20/-15%, ripple ratio within 5%)	
Rated input current			Approx. 4mA	
Input derating			Refer to the derating chart.	
ON voltage/ON current			19V or higher/3mA or higher	
OFF voltage/OFF current			11V or lower/1.7mA or lower	
Input impedance			Approx. 5.6k Ω	
Response time	OFF to ON		1ms/5ms/10ms/20ms/70ms or less (CPU parameter setting) * 1 Initial setting is 10ms.	
	ON to OFF		1ms/5ms/10ms/20ms/70ms or less (CPU parameter setting) * 1 Initial setting is 10ms.	
Dielectric withstand voltage			560VAC rms/3 cycles (altitude 2000m (6557.38ft.))	
Insulation resistance			10M Ω or more by insulation resistance tester	
Noise immunity			By noise simulator of 500Vp-p noise voltage, 1 μ s noise width and 25 to 60Hz noise frequency	
			First transient noise IEC61000-4-4: 1kV	
Protection of degree			IP2X	
Common terminal arrangement			32 points/common (common terminal: 1B01, 1B02, 2B01, 2B02)	
Number of I/O points			64 (I/O allocation is set as a 32-points input module)	
Operation indicator			ON indication (LED), 32 point switch-over using switch	
External connections			40-pin connector	
Applicable wire size			0.3mm ² (For A6CON1 or A6CON4) * 2	
External wiring connector			A6CON1, A6CON2, A6CON3, A6CON4 (optional)	
Applicable connector/terminal block conversion module			A6TBXY36, A6TBXY54, A6TBX70	
5VDC internal current consumption			90mA (TYP. all points ON)	
Weight			0.18kg	

* 1: For the setting method, refer to the section 1.3.1.

* 2: When using A6CON2 or A6CON3, refer to Chapter 7.