



**MasterLogic-200 Input/Output Modules
Specifications and Technical Data**

Release R200
Revision Date: May, 2010
Version 4.0

Release 200

2MLI-D22A - 16 point DC24V Input Module (Source/Sink Type)

Specification		Model	Digital Input Module
			2MLI-D22A
Input point		16 point	
Isolation method		Photo coupler isolation	
Rated input voltage		DC24V	
Rated input current		About 4 mA	
Operation voltage range		DC20.4~28.8V (ripple rate < 5%)	
Input Derating		None	
On Voltage/Current		DC19V or higher / 3 mA or higher	
Off Voltage/Current		DC11V or lower / 1.7 mA or lower	
Input resistance		About 5.6 kΩ	
Response Time	Off → On	1ms/3ms/5ms/10ms/20ms/70ms/100ms (set by CPU parameter) Default: 3ms	
	On → Off	1ms/3ms/5ms/10ms/20ms/70ms/100ms (set by CPU parameter) Default: 3ms	
Isolation voltage		AC560V rms/3 Cycle (altitude 2000m)	
Isolation resistance		10 MΩ or more by megger	
Common Method		16 point / COM	
Proper cable size		Twisted pair 0.3~0.75 mm ² (external diameter 2.8mm or less)	
Proper compressed terminal		R1.25-3 (not allowed to use a sleeve attached compressed terminal.)	
Current consumption (mA)		30mA	
Operation indicator		Input On, LED On	
External connection method		18 point terminal block connector (M3 X 6 screw)	
Weight		0.12 kg	

5.3 Digital I/O modules

Product	Model	Description	Remarks
Digital Input Module	2MLI-D21A	DC 24V Input, 8 point (Current source / sink input)	
	2MLI-D22A	DC 24V Input, 16 point (Current source / sink input)	
	2MLI-D24A	DC 24V Input, 32 point (Current source / sink input)	
	2MLI-D28A	DC 24V Input, 64 point (Current source / sink input)	
	2MLI-D22B	DC 24V Input, 16 point (Current source input)	
	2MLI-D24B	DC 24V Input, 32 point (Current source input)	
	2MLI-D28B	DC 24V Input, 64 point (Current source input)	
	2MLI-A12A	AC 110V input, 16 point	
	2MLI-A21A	AC 220V input, 8 point	
Digital Output Module	2MLQ-RY1A	Relay output, 8 point (for 2A, single COM.)	
	2MLQ-RY2A	Relay output, 16 point (for 2A)	
	2MLQ-RY2B	Relay output, 16 point (for 2A), Varistor included	
	2MLQ-TR2A	Transistor output, 16 point (for 0.5A, Sink output)	
	2MLQ-TR4A	Transistor output, 32 point (for 0.1A, Sink output)	
	2MLQ-TR8A	Transistor output, 64 point (for 0.1A, Sink output)	
	2MLQ-TR2B	Transistor output 16 point (for 0.5A, Source output)	
	2MLQ-TR4B	Transistor output 32 point (for 0.1A, Source output)	