● Type of I/O Modules and Max. No. Installable into the I/O Module Nests

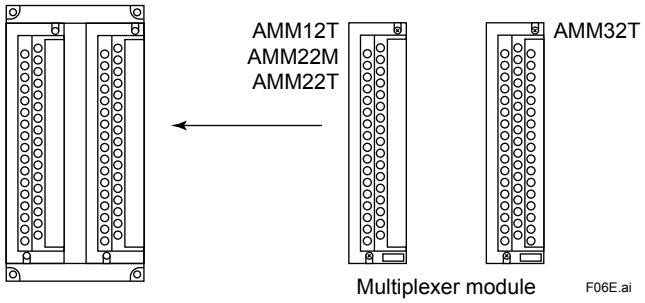
Model	I/O Module Name	I/O Module Nest Model and Max. No. of Modules to be Installed				
		AMN11,12	AMN21	AMN31	AMN32	AMN33
-	**Analog I/O Module**					
AAM10	Current/Voltage Input Module	Up to 16 modules can be installed	-	-	-	-
AAM11	Current/Voltage Input Module		-	-	-	-
AAM11B	Current/Voltage Input Module (Supports BRAIN)		-	-	-	-
AAM21	mV, Thermocouple, and RTS Input Module		-	-	-	-
AAM21J	mV, Thermocouple, and RTS Input Module (Conforms to IEC584-1995, IEC751-1995)		-	-	-	-
APM11	Pulse Input Module		-	-	-	-
AAM50	Current Output Module		-	-	-	-
AAM51	Current/Voltage Output Module		-	-	-	-
-	**Relay I/O Module**					
ADM15R	Relay Input Module	-	Only 1	-	-	-
ADM55R	Relay Output Module	-		-	-	-
-	**Multiplexer Module (*1)**					
AMM12T	Voltage Input Multiplexer Module	-	-	Up to 2	-	-
AMM22M	mV Input Multiplexer Module	-	-		-	-
AMM22T	Thermocouple Input Multiplexer Module	-	-		-	-
AMM22TJ	Thermocouple Input Multiplexer Module (Conforms to IEC584-1995)	-	-		-	-
AMM32T	RTS Input Multiplexer Module	-	-	1	-	-
AMM32TJ	RTS Input Multiplexer Module (Conforms to IEC751-1995)	-	-	1	-	-
AMM42T	2-Wire Transmitter Input Multiplexer Module	-	-	1	-	-
AMM52T	Output Multiplexer Module	-	-	1	-	-
-	**Digital I/O Module (*1)**					
ADM11T	Contact Input Module (16 Points, Terminal Type)	-	-	Up to 2 (*2)	-	-
ADM12T	Contact Input Module (32 Points, Terminal Type)	-	-		-	-
ADM51T	Contact Output Module (16 Points, Terminal Type)	-	-		-	-
ADM52T	Contact Output Module (32 Points, Terminal Type)	-	-		-	-
ADM11C	Contact Input Module (16 Points, Connector Type)	-	-	-	Up to 4 (*3)	-
ADM12C	Contact Input Module (32 Points, Connector Type)	-	-	-		-
ADM51C	Contact Output Module (16 Points, Connector Type)	-	-	-		-
ADM52C	Contact Output Module (32 Points, Connector Type)	-	-	-		-
-	**Communication Module**					
ACM11	RS-232C Communication Module	-	-	-	-	Up to 2 (*4)
ACM12	RS-422 / RS-485 Communication Module	-	-	-	-	
ACF11	Fieldbus Communication Module	-	-	-	-	Up to 2 (*5)

*1: The Multiplexer Module and Digital I/O Module cannot be installed in the same I/O Module Nest.
*2: When the operation mode of Model ADM52T is time-proportioning ON/OFF, only one module can be installed in Slot 1 (see table below).
*3: The table below shows installation restrictions by operation mode (No modules can be installed in Slots marked N/A).
When the operation mode of ADM51C is time-proportioning ON/OFF, two modules can be installed in Slots 1 and 3.
However, when installing one module only, a general ADM□□C can be installed in Slots 3 and 4.
When the operation mode of ADM52C is pulse -width -output, two modules can be installed in Slots 1 and 3. However, when installing one module only, a general ADM□□C can be installed in Slots 3 and 4.
When the operation mode of ADM52C is time -proportioning ON/OFF, only one module can be installed in Slot 1.
*4: These modules cannot be combined with ACF11. ACM11 can be combined with ACM12.
*5: This module cannot be combined with ACM11/ACM12.

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● Multiplexer Module

These modules receive up to 16 points from DC voltage, mV, thermocouple and RTS. Measuring inputs can be specified per point.



Item	Specifications			
Model	AMM12T	AMM22M	AMM22T, AMM22TJ (*2)	AMM32T, AMM32TJ (*3) (*4)
Input signal	DC voltage	mV	Thermocouple JIS, IEC Standard type K, T, J, E, B, R, S IEC Standard type N	RTS JIS JPt100 or JIS Pt100 (DIN Pt100) 3-wire type
Input range	-10 to 10 V DC	-100 to 100 mV DC	-100 to 100 mV DC	-200 to 600 °C
Allowable input voltage	-30 to 30 V DC	-0.5 to 4.0 V DC	-0.5 to 4.0 V DC	-
Input resistance	1 MΩ		-	
Signal insulation	Input signals are isolated between systems			
Data update period	1 s			
Accuracy	±4 mV	±40 μV	±40 μV	±0.15 Ω
Disconnection detection time	-	10 s Max.		20 s Max.
Disconnection detection current	-	0.1 μA		
Allowable signal source resistance	-	1 kΩ Max.	1 kΩ Max.	-
Allowable wiring resistance	-			150 Ω max. (per wire)
RJC input	-		-10 to 70 °C	-
RJC accuracy	-		±1 °C (*1)	-
Allowable common mode voltage	200 V AC			-
Measuring current	-			1 mA
Burnout detection	-	Select from UP/DOWN/OFF.		
Input parallel connection	Permitted (burnout OFF)		Not permitted	
How installed	Installed in the I/O module nest.			
How connected	Connected to the terminals of the I/O module nest with M4 screws.			
Effect of ambient temperature change	For 10 °C change : DC voltage: ±8 mV or less mV input: ±80 μV or less Thermocouple input: ±80 μV or less RTS Input: ±0.3 Ω or less			
Current consumption	500 mA or less (5.0 V DC)			
How input signals are specified	Specify input signals and range by software setting.			

*1: If measured temperature is lower than 0 °C, multiply the above value by the following coefficient (K).

$$K = \frac{\text{Thermoelectric power per degree C at 0 ºC}}{\text{Thermoelectric power per degree C at measured temperature}}$$

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*2: Conforms to IEC584-1995.
*3: Conforms to IEC751-1995.
*4: Wiring resistance for the signal cables connected to terminal A and terminal B (left) must be identical.

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