$\textbf{MELSEC-AnS/QnAS series} \rightarrow \textbf{MELSEC-Q series}$

Model list

Conversion adapters

For the specifications of conversion adapters and modules before and after replacement, refer to user's manuals. (User's manuals can be downloaded from our website.) Also, check that the modules satisfy the specifications of the devices currently connected.

For input/output modules

1-slot type

O: Applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

	-71					• ,,	,	,
la a vit/	MELCEO And control module	MELCEC O series readule	Q series large		Conversior	adapter		
Input/ Output	MELSEC-AnS series module before replacement	MELSEC-Q series module after replacement	base unit	Model		Shape		No. of input/
Output	Delote replacement	allei repiacement	applicability	Model	MELSEC-AnS series	MELSEC-Q series	Fixture	output points
Input	A1SX10	QX10						
iliput	A1SX10EU	QXIO	0	- ERNT-ASQTXY10			Without	
Outout	A1SY10	QY10		ENNI-ASQIATIU			Williout	
Output	A1SY10EU	UTIO	0					
	A1SX40	QX40, QX70	0					
	A1SX40-S2	QX40	0	ERNT-ASQTX40	Terminal block (20 points)		Without	
Innut	A1SX40-S1	QX40-S1	0			Terminal block (18 points)		
Input	A1SX80			ERNT-ASQTX80			Without	16
	A1SX80-S1	QX80	0					
	A1SX80-S2							
	A1SY22	QY22	0	ERNT-ASQTY22			Without	
	A1SY40	QY40P		ERNT-ASQTY40			Without	
Output		Q140F	0	ENNI-ASQ1140			Williout	
	A1SY50	QY50	0	ERNT-ASQTY50			Without	
	A1SY80	QY80	0	ERNT-ASQTY80			Without	

2-slot type

x: Not applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

11/	MELOFO A O	AnS series module MELSEC-Q series module e replacement after replacement		Q series large		Conversion	n adapter		
Input/ Output	before replacement			base unit	base unit	Shape			No. of input/
Output	botoro ropiacoment	unto	riopiacoment	applicability	Model	MELSEC-AnS series	MELSEC-Q series	Fixture	output points
Input	A1SX20	QX28	× 2		ERNT-ASOTX20			Without	
прис	A1SX20EU	UAZ0	x Z	_ *	ENIVI-AOQIAZU	Terminal block	Terminal block (18 points)	Williout	16
Output	A1SY60	QY68A	× 2	×	ERNT-ASQTY60	(20 points)	× 2 Witho] 10
Output	A1SY60E	QY68A	× 2	×	ERNT-ASQTY60E				

Modules that can use the existing wiring as it is even after replacement (Conversion adapter not required)

	MELSEC	C-AnS series module before replace	ment		MELSEC-Q series module after replacement		
Input/Output		Specifications	No. of points	Model	Specifications	No. of points	No. of required modules
				QX41	24VDC, positive common	32	1
	A1SX41	12/24VDC, sink type	32	QX41-S2	24VDC, positive common	32	1
				QX71 (12VDC)	5/12VDC, positive/negative common shared type	32	1
	A1SX41-S1	24VDC, sink type	32	QX41-S1	24VDC, positive common	32	1
	A1SX41-S2	24VDC, sink type	32	QX41	24VDC, positive common	32	1
	A15X41-52	24VDG, SITIK type	32	QX41-S2	24VDC, positive common	32	1
	A10V71	5/10/04VDQ ===1.5 + ====	32	QX71 (5VDC, 12VDC)	5/12VDC, positive/negative common shared type	32	1
	A1SX71	5/12/24VDC, sink type		QX41-S1	24VDC, positive common	32	1
	A1SX81	12/24//DC sink type	32	QX81	24VDC, negative common	32	1
Input	AISAOI	12/24VDC, sink type	32	QX81-S2	24VDC, negative common	32	1
	A10V01 00	0.41/D0 sink time	00	QX81	24VDC, negative common	32	1
	A1SX81-S2	24VDC, sink type	32	QX81-S2	24VDC, negative common	32	1
				QX42	24VDC, positive common	64	1
	A1SX42	12/24VDC, sink type	64	QX41-S2	24VDC, positive common	32	2
				QX72 (12VDC)	5/12VDC, positive/negative common shared type	64	1
	A10V40 C0	041/00 sink tons	64	QX42	24VDC, positive common	64	1
	A15X42-52	A1SX42-S2 24VDC, sink type		QX41-S2	24VDC, positive common	32	2
	A1SX42-S1	24VDC, sink type	64	QX42-S1	24VDC, positive common	64	1
	A1SX82-S1	24VDC, sink type	64	QX82-S1	24VDC, negative common	64	1
	A1SY41	12/24VDC, sink type	32	01/410	10/04/00 = i-1. +	00	1
	A1SY41P	12/24VDC, sink type	32	QY41P	12/24VDC, sink type	32	1
	A1SY81	12/24VDC, source type	32	QY81P	E/12/24/DC course time	32	1
0.44	A1SY81EP	12/24VDC, source type	32	UYBIP	5/12/24VDC, source type	32	1
Output	A1SY71	5/12VDC, sink type	32	QY71	5/12VDC, sink type	32	1
	A1SY42	10/04/DC sink to a	CA	OVAOD	10/04//00 sink to a	CA	1
	A1SY42P	12/24VDC, sink type	64	QY42P	12/24VDC, sink type	64	1
	A1SY82	12/24VDC, source type	64	QY82P	12/24VDC, source type	64	1
	A401140	Input: 12/24VDC, sink type	32	OLIAOD	Input: 24VDC (12VDC not supported), positive common	32	1
	A1SH42	Output: 12/24VDC, sink type	32	QH42P	Output: 12/24VDC, sink type	32]'
	Adellaon	Input: 12/24VDC, sink type	32	OLIAOD	Input: 24VDC (12VDC not supported), positive common	32	1
1/0 aambi	A1SH42P	Output: 12/24VDC, sink type	32	QH42P	Output: 12/24VDC, sink type	32	7'
I/O combined	A10UA2 01	Input: 24VDC, sink type	32	OHAOD	Input: 24VDC, positive common	32	1
	A1SH42-S1	Output: 12/24VDC, sink type	32	QH42P	Output: 12/24VDC, sink type	32	7'
	A1CHAOD C1	Input: 24VDC, sink type	32	OLIAOD	Input: 24VDC, positive common	32	1
	A1SH42P-S1	Output: 12/24VDC, sink type	32	QH42P	Output: 12/24VDC, sink type	32	7'

➤ Replacement using a universal conversion adapter ► P.305

Input/output modules in the table below do not support the use of a conversion adapter. However, these modules (except for some modules) can be replaced using a universal conversion

	MELSEC-AnS series m	odule before replacement	MELSEC-Q series mod	ule after replacement			
Input/Output	Model	No. of points	Model	No. of points	No. of required modules	Univers	al conversion adapter
	A1SY14EU	12	QY10	16	1		
Output	A1SY18A(EU)	8	QY18A	8	1	*1	
	A1SY68A	8	QY68A	8	1] '	
I/O combined	A1SX48Y58	Input: 8, Output: 8	QX48Y57	Input: 8, Output: 7	1		Supported
Input	A1SX30	16	QX40 (24VDC, positive common)	16	1		
I/O combined	A1SX48Y18	Input: 8, Output: 8	QX40 + QY10	16 + 16	1 + 1		
Outout	A1SY28A	0					
Output	A1SY28EU	0	There is no applicable MELCEC Convincem	the MELOCO O and an and to			
Dynamic input A1S42X 16/32/48/64	There is no applicable MELSEC-Q series m	ouule.			-		
Dynamic output	A1S42Y	16/32/48/64	32/48/64				

^{*1:} The existing terminal block can be mounted to the universal conversion adapter as it is.

When there is no applicable module to be replaced Upgrading existing programmable controller systems using the time and wire saving devices ➤ P.92

Refer to the later section. The section describes how to replace modules that have no applicable module in the programmable controller series after replacement or modules that do not support the use of a conversion adapter.

(Example) The existing module uses 200VAC. But, the model list for the programmable controller series after replacement does not have a module that uses 200VAC. In such a case, the module can be replaced by using our digital signal converter (terminal module) (200VAC input type).

For analog modules

1-slot type

 $\bigcirc : Applicable \ to \ MELSEC-Q \ series \ large \ type \ base \ units \ (MELSEC-AnS \ series \ size)$ x: Not applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

11/	MELOFO A O	MELOEO O	Q series large			Conversion a	dapter		
Input/ Output	MELSEC-AnS series module before replacement	MELSEC-Q series module after replacement	base unit	Note	Model		No. of		
Output	module before replacement	arter replacement	applicability		Model	MELSEC-AnS series	MELSEC-Q series	Fixture	channels
	A1S64AD	Q64AD	0		ERNT-ASQT64AD		Taurria al bla als	Without	4
	A1S68AD (voltage input)	Q68ADV	0	-	ERNT-ASQT68AD		Terminal block (18 points)	Without	
Input	A1S68AD (current input)	Q68ADI	0]	ENIVI-ASQ100AD		(10 points)	Williout	8
	A1S68AD (voltage/current mixed input)	Q68AD-G	×	*2	ERNT-ASQT68AD-G	Terminal block	Connector (40P)	With	
	A1S62DA	Q62DAN	0		ERNT-ASQT62DA	(20 points)		Without	2
Output	A1S68DAV	Q68DAVN	0] -	EDNIT ACOTCODA		Terminal block	Without	8
	A1S68DAI	Q68DAIN	0]	ERNT-ASQT68DA		(18 points)	Williout	0
I/O combined	A1S63ADA	Q64AD2DA	×	*2	ERNT-ASQT63ADA	-	(points)	Without	3

^{*2:} Not applicable because the MELSEC-Q series large type blank cover (MELSEC-AnS series size), QG69LS, cannot be attached to the MELSEC-Q series module after replacement.

For high-speed counter modules

1-slot type

O: Applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

1 1/	MELOFO A O	MELOEO O i I I	Q series large	ge Conversion adapter							
Input/ Output	MELSEC-AnS series module before replacement	MELSEC-Q series module after replacement	base unit	Model			No. of				
σαιραί	botoro ropiacoment	artor replacement	applicability	IVIOUEI	MELSEC-AnS series	MELSEC-Q series	Fixture	channels			
		QD62	0								
	A1SD61	QD62-H01	0	ERNT-ASQTD61	Terminal block	Connector (40D)	With	1			
lanut		QD62-H02	0								
Input	A1SD62	QD62	0	ERNT-ASQTD62 (20 points)	Connector (40P)	VA/CALL.					
-	A1SD62E	QD62E	0	ENIVI-AOQ1D02			With	2			
	A1SD62D	QD62D	0	ERNT-ASQTD62D			With				

For temperature input modules

1-slot type

O: Applicable to MELSEC-Q series large type base units (MELSEC-AnS series size) \times : Not applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

la a st	MELOFO And antina	MELCEC Consider mondate	Q series large			Conversion a	dapter		
Input/ Output	MELSEC-AnS series module before replacement	MELSEC-Q series module after replacement	base unit	Note	Note Model			No. of	
Output	module before replacement	arter replacement	applicability		Wouei	MELSEC-AnS series	MELSEC-Q series	Fixture	channels
	A1S68TD	Q68TD-G-H01	0	-	ERNT-ASQT68TD-H01		Connector	With	- 8
Input	AISOOID	Q68TD-G-H02	×	*3	ERNT-ASQT68TD-H02	Terminal block	(40P)	With	O
IIIput	A1S62RD3(N)	Q64RD	0		ERNT-ASQT62RD	(20 points)	Terminal block	Without	2
	A1S62RD4(N)	เนบนาบ	0 -		LNIVI-MOQTOZNU		(18 points)	without	2

^{*3:} Not applicable because the MELSEC-Q series large type blank cover (MELSEC-AnS series size), QG69LS, cannot be attached to the MELSEC-Q series module after replacement.

For temperature control modules

1-slot type

O: Applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

MELCEO And poring module	MELCEC Consiss module	Q series large			Conversion adapter				
MELSEC-AnS series module before replacement	MELSEC-Q series module after replacement	base unit	Note	Model		Shape		No. of	
before replacement	and replacement	applicability		iviouei	MELSEC-AnS series	MELSEC-Q series	Fixture	channels	
A1S64TCTT-S1	- Q64TCTTN		-	ERNT-ASQT64TCTT			Without	4	
A1S64TCTRT	QO41CIIN	0	*4	ENNI-AOQ1041011			Williout	4	
A1S64TCRT-S1	Q64TCRTN		-	ERNT-ASQT64TCRT			Without	4	
A1S64TCTRT	Q041CRIN	0	*5	ENNI-ASQ1041CNI	Terminal block	Terminal block	without	4	
A1S62TCTT-S2	Q64TCTTN	_	-	ERNT-ASQT62TCTT	(20 points)	(18 points)	Without	2	
A1S64TCTRT	Q041CTIN	0	*6	ERINT-ASQ1021011			Williout	2	
A1S62TCRT-S2	OC ATORTN	_	-	EDNIT ACOTOSTODI			Mithout	0	
A1S64TCTRT	Q64TCRTN	0	*7	ERNT-ASQT62TCRT			Without	2	

^{*4:} For thermocouple input under standard control *5: For platinum resistance thermometer input under standard control

^{*6:} For thermocouple input under heating-cooling control
*7: For platinum resistance thermometer input under heating-cooling control

For temperature control modules with disconnection detection function

1-slot type + Disconnection detection connector conversion cable

This is a set product of a conversion adapter for the temperature control module (1-slot type) and a disconnection detection connector conversion cable. Use the model for the set product to order.

x: Not applicable to MELSEC-Q series large type base units (MELSEC-AnS series size)

MELSEC-AnS series module before	MELSEC-Q series module after	Q series large	Note	Set model	Conversion a	adapter for tem	perature cont	rol module	es	Disconnection connector con	
replacement	ronlacomont	base unit	Note				Shape			Sha	ıpe
		applicability			Model	MELSEC-AnS series	MELSEC-Q series	Fixture	No. of channels	MELSEC-AnS series	MELSEC-Q series
A1S64TCTTBW-S1	Q64TCTTBWN	×	*8	ERNT-ASOT64TCTTBW	ERNT-ASQT64TCTT			Without	4		
A1S64TCTRTBW	Q041C11DWN	×	*8, *9	ENNI-ASQ1041C11DW	ENNI-ASQ1041011			Williout	4		
A1S64TCRTBW-S1	Q64TCRTBWN		*8	ERNT-ASOT64TCRTBW	ERNT-ASQT64TCRT			Without	4		
A1S64TCTRTBW	Q041Ch1DWN	×	*8, *10	ENIVI-AOQ1041CN1DW	ENNI-AOQIO410NI	Terminal block	Terminal	Williout	4	Connector	Terminal block
A1S62TCTTBW-S2	Q64TCTTBWN		*8	ERNT-ASOT62TCTTBW	ERNT-ASQT62TCTT	(20 points)	block (18 points)	Without	2	(8P)	(18 points)
A1S64TCTRTBW	Q041C11DWN	×	*8, *11	ENIVI-AOQIOZICIIDW	ENNI-AOQ1021011	(20 poto)	(10 points)	Williout	4		(10 points)
A1S62TCRTBW-S2	Q64TCRTBWN		*8	ERNT-ASQT62TCRTBW	ERNT-ASQT62TCRT			Without	2		
A1S64TCTRTBW	QU41UNIBWN	×	*8, *12	ENIVI-AOQIDZIUNIDW	ENNI-AOQ1021UKI		Withou		2		

^{*8:} Not applicable because the MELSEC-Q series module after replacement is 2-slot type.

Base adapters

	a a pro-re				
Туре	MELSEC-AnS series base unit before replacement	MELSEC-Q series base unit after replacement	Note	Base adapter model	Remarks
	A1S38B/A1S38HB/ A1S38HBEU	Q38B		ERNT-ASQB38N	
	A1S35B	Q35B	1	ERNT-ASQB35N	
	A1S33B	Q33B		ERNT-ASQB33N	
Main	A1S32B	Q33B	-	ERNT-ASQB32N	
	A1SJCPU	Q00JCPU		ERNT-ASQB00JN	To use the Q7BAT-SET, install the base unit with the CPU module being
	A1SJCPU-S3	Q00UJCPU			mounted to the base adapter first, and then attach the Q7BAT-SET to the
	A1SJHCPU	Q35B			module.
	A1S68B	Q68B		ERNT-ASQB68N	
	A1S65B	Q65B] -	ERNT-ASQB65N	
Extension	A1S58B	Q68B	*13	ERNT-ASQB58N	
	A1S55B	Q55B		ERNT-ASQB55N	
	A1S52B	Q52B] -	ERNT-ASQB52N	

^{*13:} The power supply module is required after replacement.

Both a main base unit and a QA extension base unit can be installed to the following base adapters.

MELSEC-AnS series base unit	MELSEC-Q series base	unit after replacement	Dana adautan madal	Deventor		
before replacement	Main	Extension	Base adapter model	Remarks		
A1S38B/A1S38HB/ A1S38HBEU	Q38B/Q35B/Q33B			To use the Q7BAT-SET, install the base unit with the CPU module being		
A1S35B	Q35B/Q33B	QA1S51B	I FRIUI - ASUB 35NI-ST	mounted to the base adapter first, and then attach the Q7BAT-SET to the CPU module.		
A1S33B	Q33B		ERNT-ASQB33N-S1	module.		

Conversion adapter DIN rail mounting brackets

This bracket is required when installing the MELSEC-Q series base unit onto a DIN rail using a conversion adapter with a fixture or a disconnection detection connector conversion cable for the temperature control module. When a conversion adapter with a fixture or a disconnection detection connector conversion cable for the temperature control module is not used, this bracket is not required.

Туре	MELSEC-AnS series base unit before replacement	MELSEC-Q series base unit after replacement	Conversion adapter DIN rail mounting bracket	Remarks			
Main	A1S38B/A1S38HB/A1S38HBEU	Q38B					
Extension	A1S68B	Q68B	ERNT-ASQDIN3868				
EXTRUSION	A1S58B	QUOD					
Main	A1S35B	Q35B					
Extension	A1S65B	Q65B		 A DIN rail adapter manufactured by Mitsubishi Electric (sold separately) is also required. To use the Q7BAT-SET, mount the CPU module and attach the conversion adapter DIN rail mounting bracket to the base unit first. Then, attach the 			
	A1SJCPU	Q00JCPU	ERNT-ASQDIN356500J				
	A1SJCPU-S3	Q00UJCPU					
Main	A1SJHCPU	Q35B		Q7BAT-SET to the CPU module.			
	A1S33B	- Q33B					
	A1S32B	- USSB	ERNT-ASQDIN3355				
Estancian	A1S55B	Q55B					
EXTENSION	Extension A1S52B	Q52B	ERNT-ASQDIN52				

^{*9:} For thermocouple input under standard control

^{*11:} For thermocouple input under heating-cooling control

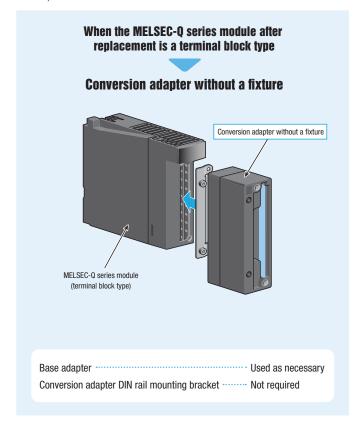
^{12:} For platinum resistance thermometer input under heating-cooling control

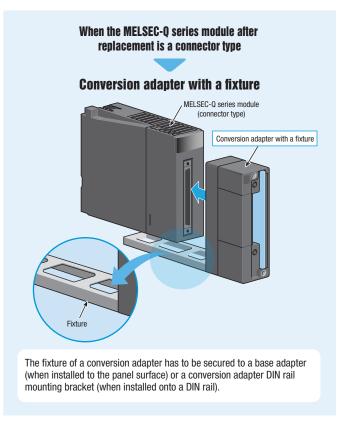
^{*10:} For platinum resistance thermometer input under standard control

Note) Intelligent function modules other than the above (such as positioning modules, information system modules, and distribution modules) do not support the use of a conversion

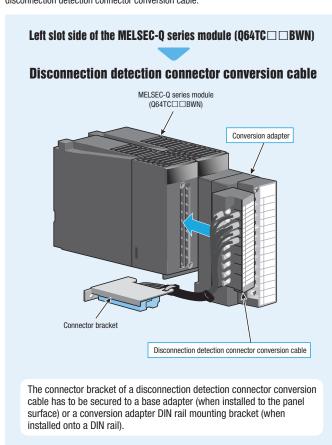
Types of conversion adaptors

There are two types of conversion adapters: a conversion adapter without a fixture (for terminal block type modules) and a conversion adapter with a fixture (for connector type modules).



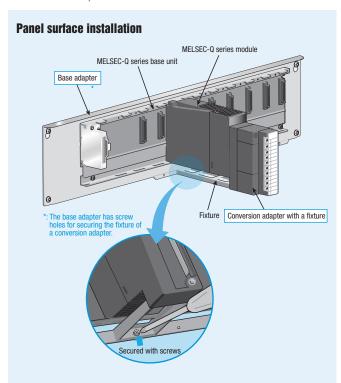


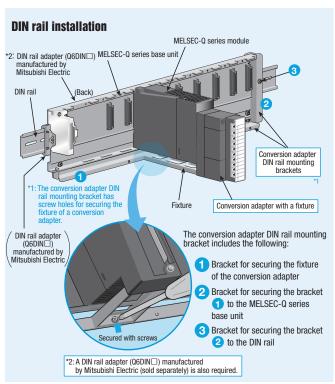
For temperature control modules with disconnection detection function, the wiring on the left slot side of the MELSEC-Q series module (Q64TC BWN) is converted using a disconnection detection connector conversion cable.



Mounting a conversion adapter with a fixture

To use a conversion adaptor with a fixture, the fixture has to be secured to a base adapter (when installed to the panel surface) or a conversion adapter DIN rail mounting bracket (when installed onto a DIN rail) with screws.





Installing a disconnection detection connector conversion cable

The connector bracket of a disconnection detection connector conversion cable has to be secured to a base adapter (when installed to the panel surface) or a conversion adapter DIN rail mounting bracket (when installed onto a DIN rail) with screws.

