

MELSEC-AnS/QnAS series → MELSEC-L 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-module type

Input/Output	MELSEC-AnS series module before replacement	MELSEC-L series module after replacement	Model	Conversion adapter		No. of input/ output points				
				Shape						
	MELSEC-AnS series	MELSEC-L series								
Input	A1SX10	LX10	ERNT-ASLTXY10	Terminal block (20 points)		Terminal block (18 points)	16			
	A1SX10EU									
Output	A1SY10	LY10R2								
	A1SY10EU									
Input	A1SX40	LX40C6	ERNT-ASLTX40							
	A1SX40-S1									
	A1SX40-S2	LX40C6	ERNT-ASLTX80							
	A1SX80									
	A1SX80-S1									
	A1SX80-S2									
Output	A1SY22	LY20S6	ERNT-ASLTY22							
	A1SY40	LY40NT5P	ERNT-ASLTY40							
	A1SY40P									
	A1SY50		LY40NT5P					ERNT-ASLTY50		
		A1SY80	LY40PT5P					ERNT-ASLTY80		
Input	A1SX81	LX41C4	ERNT-ASLCXY81	D-Sub connector (37P)		Connector (40P)	32			
	A1SX81-S2									
Output	A1SY81	LY41PT1P								
	A1SY81EP									

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


Input/Output	MELSEC-AnS series before replacement			MELSEC-L series base unit after replacement			
	Model	Specifications	No. of points	Model	Specifications	No. of points	No. of required modules
Input	A1SX41	12/24VDC, positive common	32	LX41C4 (24VDC)	24VDC, positive/negative common shared type	32	1
	A1SX41-S1	24VDC, positive common	32	LX41C4	24VDC, positive/negative common shared type	32	1
	A1SX41-S2	24VDC, positive common	32				
	A1SX42	12/24VDC, sink type	64	LX42C4 (24VDC)	24VDC, positive/negative common shared type	64	1
	A1SX42-S1	24VDC, sink type	64	LX42C4	24VDC, positive/negative common shared type	64	1
	A1SX42-S2	24VDC, sink type	64				
	A1SX71	5/12/24VDC, sink type	32	LX41C4 (24VDC)	24VDC, positive/negative common shared type	32	1
	A1SX82-S1	24VDC, sink type	64	LX42C4	24VDC, positive/negative common shared type	64	1
Output	A1SY41	12/24VDC, sink type	32	LY41NT1P	12/24VDC, sink type	32	1
	A1SY41P	12/24VDC, sink type	32				
	A1SY42	12/24VDC, sink type	64	LY42NT1P	12/24VDC, sink type	64	1
	A1SY42P	12/24VDC, sink type	64				
	A1SY82	12/24VDC, source type	64	LY42PT1P	12/24VDC, source type	64	1
I/O combined	A1SH42	Input: 12/24VDC, sink type	32	LH42C4NT1P (24VDC)	Input: 24VDC (12VDC not supported), positive/negative common shared type	32	1
		Output: 12/24VDC, sink type	32		Output: 12/24VDC, sink type	32	1
	A1SH42P	Input: 12/24VDC, sink type	32	LH42C4NT1P (24VDC)	Input: 24VDC (12VDC not supported), positive/negative common shared type	32	1
		Output: 12/24VDC, sink type	32		Output: 12/24VDC, sink type	32	1
	A1SH42-S1	Input: 24VDC, sink type	32	LH42C4NT1P	Input: 24VDC, positive/negative common shared type	32	1
		Output: 12/24VDC, sink type	32		Output: 12/24VDC, sink type	32	1
	A1SH42P-S1	Input: 24VDC, sink type	32	LH42C4NT1P	Input: 24VDC, positive/negative common shared type	32	1
		Output: 12/24VDC, sink type	32		Output: 12/24VDC, sink type	32	1

Modules that do not support the use of a conversion adapter and require rewiring

Input/Output	MELSEC-AnS series module before replacement		MELSEC-L series module after replacement			
	Model	No. of points	Model	No. of points	No. of required modules	
Input	A1SX20	16	LX28	8	2	
	A1SX20EU					
	A1SX30	16	LX40C6 (24VDC)	16	1	
Output	A1SY14EU	12	LY10R2	16	1	
I/O combined	A1SX48Y18	Input: 8, Output: 8	LX40C6 + LY10R2	16 + 16	1 + 1	
	A1SX48Y58	Input: 8, Output: 8	LX40C6 + LY40NT5P	16 + 16	1 + 1	
Output	A1SY18A	8	LY18R2A	8	1	
	A1SY18AEU					
	A1SY28A	8	LY28S1A	8	1	
	A1SY28EU					
	A1SY60	16	There is no applicable MELSEC-L series module.			
	A1SY60E					
	A1SY68A					8
	A1SY71					32
Dynamic input	A1S42X	16/32/48/64				
Dynamic output	A1S42Y	16/32/48/64				

For analog modules


1-module type

Input/ Output	MELSEC-AnS series module before replacement	MELSEC-L series module after replacement	Conversion adapter				
			Model	Shape		No. of channels	
				MELSEC-AnS series	MELSEC-L series		
Input	A1S64AD	L60AD4	ERNT-ASLT64AD	Terminal block (20 points)		Terminal block (18 points)	4
Output	A1S62DA	L60DA4	ERNT-ASLT62DA				2

Note) Intelligent function modules other than the above do not support the use of a conversion adapter. Therefore, rewiring is required.

For high-speed counter modules

1-module type

MELSEC-AnS series module before replacement	MELSEC-L series module after replacement	Conversion adapter			
		Model	Shape		No. of channels
			MELSEC-AnS series	MELSEC-L series	
A1SD61	LD62	ERNT-ASLTD61	Terminal block (20 points)	 Connector (40P)	1
A1SD62	LD62	ERNT-ASLTD62			2

Base adapters

The width of the base adapter is the same as that of the MELSEC-AnS series base unit. For this reason, the following notes apply even when a space module (LG69) is not used.

Type	MELSEC-AnS series base unit before replacement	Base adapter model	Precautions for replacement
Main	A1S38B	ERNT-ASLB38	-
	A1S38HB		
	A1S35B	ERNT-ASLB35	-
	A1S33B	ERNT-ASLB33	When an extension block is connected, the number of modules that can be connected is two.*
	A1S32B	ERNT-ASLB32	When an extension block is connected, the number of modules that can be connected is one.*
	A1SJCPU	ERNT-ASLBJ	-
	A1SJCPU-S3		
	A1SJHCPU		
Extension	A1S68B	ERNT-ASLB68	-
	A1S65B	ERNT-ASLB65	-
	A1S58B	ERNT-ASLB58	-
	A1S55B	ERNT-ASLB55	-
	A1S52B	ERNT-ASLB52	The number of modules that can be connected is one.*

*: A module having a width of 28.5mm