Spring Clamp Terminal Block Conversion Adapter

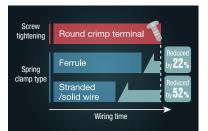
Model: FA1-TE40PA



Front connection type now available in addition to the existing relay terminal block, which is used together with a digital signal converter

Features of spring clamp terminal specification

Easy wiring



Wiring time can be significantly reduced by push-in connection.

* Calculated by comparing the time taken by non-experts with two years of experience (Data sourced from Japan Switchboard & control system Industries Association)

Stable connection



Screws are vibration resistant. Uniform quality is guaranteed for wiring since no special skills are required.

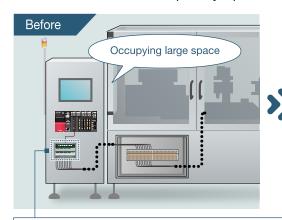
Less maintenance

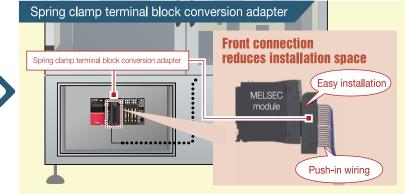


Screw tightening during maintenance is not required, reducing work load of workers. Rewiring work is also facilitated by push-in connection.

Easy push-in connection available in limited space

Front connection does not require any separate terminal block, enabling installation in a small cabinet or inside a system.

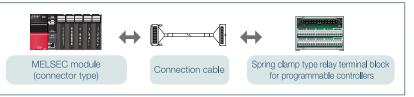




Alternative for users who have no space problem

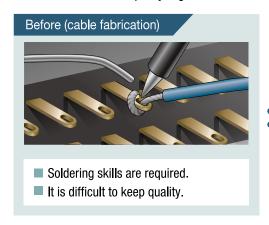
Use our spring clamp type relay terminal block for programmable controllers.

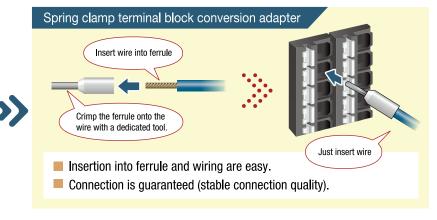
(For details, refer to the product list on the back cover page.)



Quick and easy wiring and reliable quality

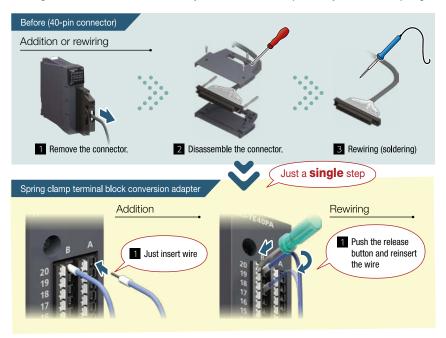
Uniform connection quality is guaranteed since no soldering skills are required.

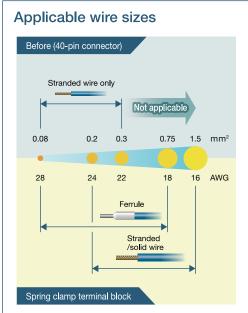




Easy to add signals with various wire sizes supported

Signal wires can be rewired easily for extension or repair of systems. The spring clamp type supports large wire sizes.

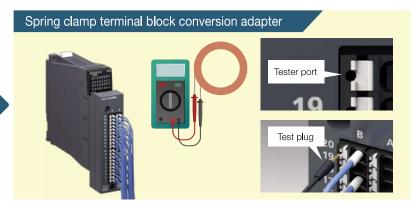




Streamline startup and maintenance

A tester port is provided for continuity check, enabling reduction in time required for startup and maintenance. (The test plug is the reference product.)

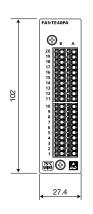


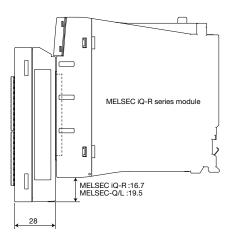


■ Connection diagram

Spring clamp	40-pin	Spring clamp	40-pin
terminal block	connector	terminal block	connecto
B20	B20	A20	A20
B19	B19	A19	A19
B18	B18	A18	A18
B17	B17	A17	A17
B16	B16	A16	A16
B15	B15	A15	A15
B14	B14	A14	A14
B13	B13	A13	A13
B12	B12	A12	A12
B11	B11	A11	A11
B10	B10	A10	A10
В9	В9	A9	A9
B8	B8	A8	A8
B7	В7	A7	A7
В6	B6	A6	A6
B5	B5	A5	A5
B4	B4	A4	A4
В3	В3	A3	A3
B2	B2	A2	— A2
B1	B1	A1	A1

■ Dimensions Schematic diagram of connection to MELSEC iQ-R series module (Unit: mm)





■ Applicable modules of Mitsubishi Electric MELSEC series programmable controllers

MELSEC series	Input module		Output module		High-speed counter module		Positioning module	
MFLSEC iQ-R series	_		RY41NT2P RY41PT1P	RY41NT2H RY41PT2H	RD62P2 RD62P2E RD62D2		RD75P2	
	QX41 QX41-S1 QX41-S2		QY41P QY41H	QY71	QD62 QD62E QD62D	QD63P6 QD64D2	QD75P1/QD75P1N QD75P2/QD75P2N	QD75D1/QD75D1N QD75D2/QD75D2N QD70P4
MELSEC-L series	LX41C4		LY41NT1P LY41PT1P		LD62 LD62D		LD75P1 LD75P2	LD75D1 LD75D2

Coocifications

	Item	Specification				
Operating an	nbient temperature	0 to 55°C (when the extended temperature range base unit is not used) 0 to 60°C (when the extended temperature range base unit is used)				
Operating an	nbient humidity	5 to 95%RH, non-condensing				
	Without ferrule (stranded/solid wire)	0.2 to 1.5 mm² (24 to 16 AWG)				
Applicable wire With ferrule (stranded wire)	Applicable wire size (mm²/AWG)	Applicable ferrule	Crimping tool	Manufacturer		
	0.25 / 24	AI 0,25-8 YE				
		0.3, 0.34 / 22	AI 0,34-8 TQ	000 40507 0	PHOENIX CONTACT	
	0.5 / 20	AI 0,5-8 WH	CRIMPFOX 6	GmbH & Co. KG		
	0.75 / 18	AI 0,75-8 GY				
		0.08 to 0.34 / 28 to 22	216-302	206-220		
		0.34 / 24, 22	216-302		WAGO	
	0.5 / 22, 20	216-201	206-1204	Kontakttechnik GmbH & Co. KG		
		0.75 / 20, 18	216-202		S & 50. NG	
External dimensions 27.4 (W) × 102 (H) × 28 (D) mm						
Weight Approx. 100 g						

■ Reference product

= Horororioo produot				
Specification				
Test plug				
MPS-MT 1-S				
PHOENIX CONTACT GmbH & Co. KG				
7				
Dia. 1.0 mm				
Dia. 2.0 mm				
150 mm				

^{*} Socket to insert the test lead of the tester

■ Product line

Name	Model	Remarks	
Spring clamp terminal block	FA1-TE40PA	Adapter, mounting bracket, mounting screws	
conversion adapter	FAT-TE40FA	Adapter, mounting bracket, mounting screws	

■ Product list

Name	Model	Remarks
Spring clamp terminal block conversion adapter	FA1-TE2SV16XY	16 points , installation direction : verrical
	FA1-TE2SD32XY	32 points , installation direction : verrical / horizontal
	FA1-TE2SV20P	General-purpose , 20 points , installation direction : verrical
	FA1-TE2SV40P	General-purpose , 40 points , installation direction : verrical /
		horizontal
Common terminal block	FA1-TE2SV40EX	40 points , installation direction : verrical
Connection cable*	FA-CBL05FMV	For sink/source interface
	FA-CBL05FMVE	For negative common input

^{*} These are a few examples of connection cables. Various cables such as ones with different lengths, sink/source type cables, and branch cables are also available. Cable models depend on the applicable programmable controllers or cable lengths. For details, check our website or selection tool.

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