



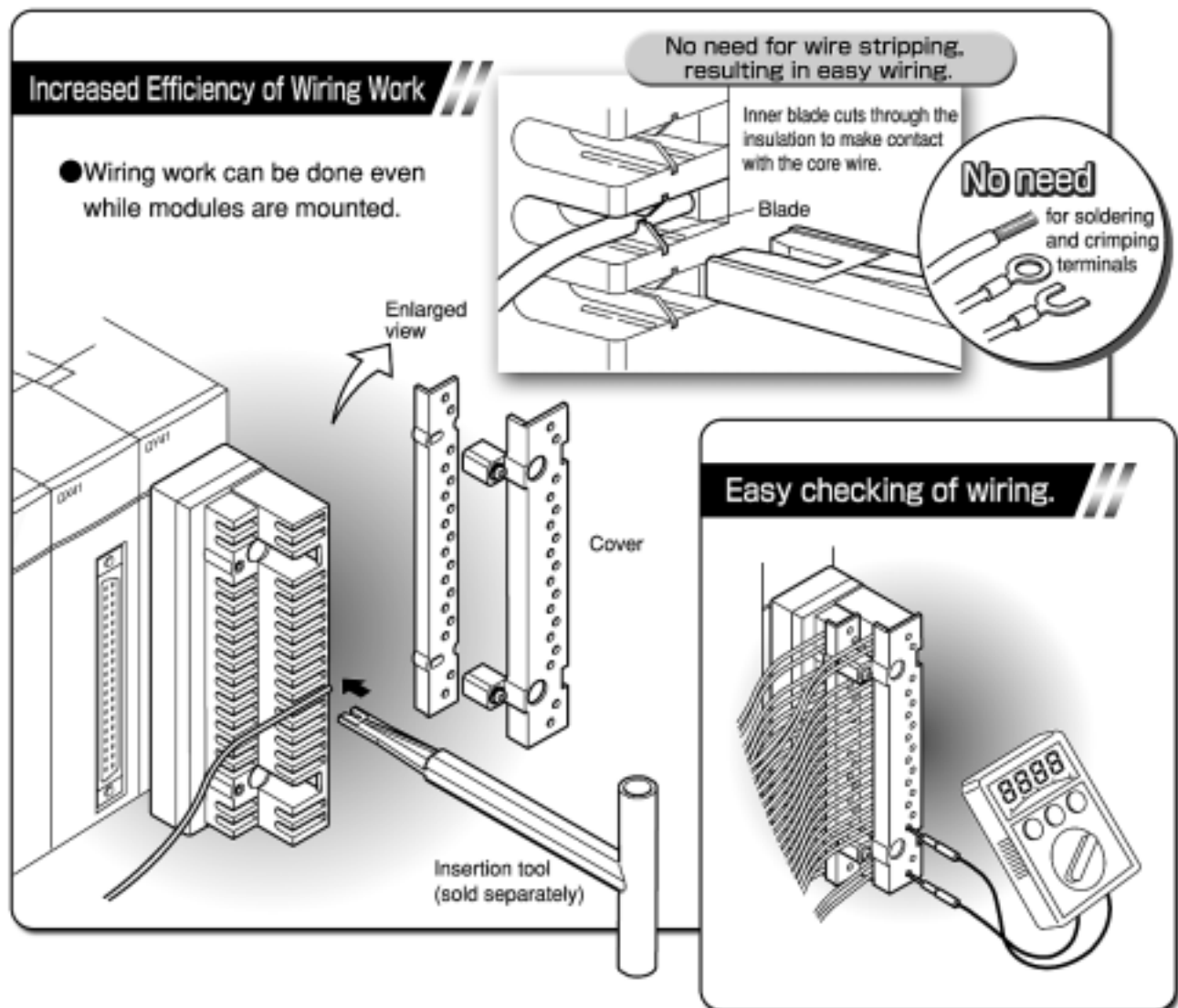
Mitsubishi PLC

2002 No.173E

NEW PRODUCT RELEASE

**Q6TA32 IDC Terminal Block Adapter
for MELSEC-Q Series 32-Point I/O Modules
New!**

***Introducing New Adapters for the Q Series
I/O Modules that Reduce the Number of Wiring Steps!***



[Features]

The Q6TA32 IDC (Insulation Displacement Connector) terminal block adaptor is compatible with the Q Series 32-point I/O module (40-pin connector type).

- **Increased efficiency of wiring work**

No need for stripping the wire(s). Also, soldering and crimping terminals are no longer required, resulting in reduced number of steps for wiring when using the Q6TA32.

- **Less maintenance work required**

The Q6TA32 does not use terminal screws to secure the wire. Therefore no retightening is required, reducing the number of steps for maintenance.

- **Less space required for wiring**

The wiring can be done even while modules are mounted, which allows you to run the wires according to the space available without using excessive wires or making the wiring duct crowded.

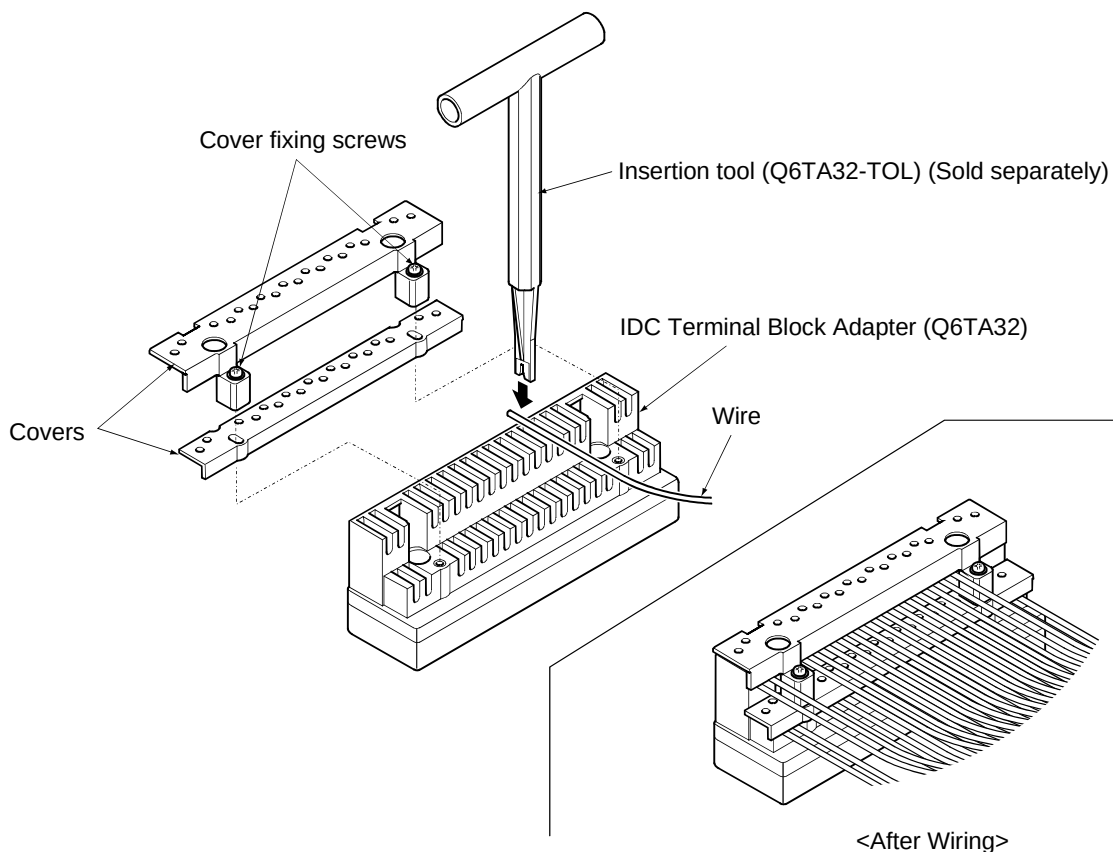
- **No need for an extra terminal block**

As wire termination i.e. soldering is no longer required, wires can be directly connected between I/O module (via Q6TA32) and devices outside the control panel without the need for extra distribution terminal blocks.

- **Checking the wiring**

On the Q6TA32 cover a range of tester lead inlets are included that allows the wiring to be checked, whereas with the older connector type adapters it could not be checked.

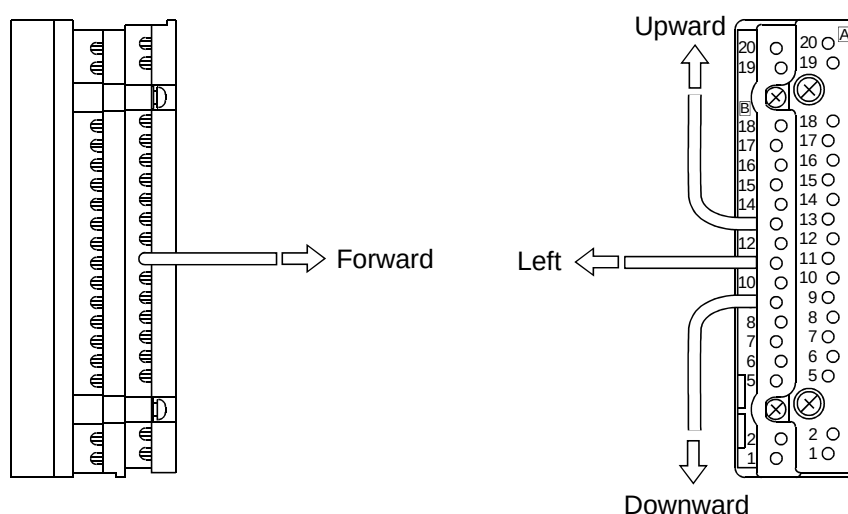
[Schematic Wiring Diagram]



[Performance Specifications]

Item		Specifications
Applicable model		QX41, QX71, QY41P, QY71
Applicable wire ^{*2}		Polyvinyl chloride wire (twisted wire) Nominal 0.5 mm ² (AWG20) max. insulation diameter: ϕ 1.9 mm (0.07 inch)
Number of connectable wire		1
Wire tensile strength ^{*1}	To the left	35N
	Forward	22N
	Upward or downward	60N
Max. number of times for wire insertion/disconnection		30
Max. allowable voltage		250VAC
Max. allowable current		3ADC
Contact resistance		100m (327.8 feet) Ω or less
Weight		0.08 kg (0.18 lb.)

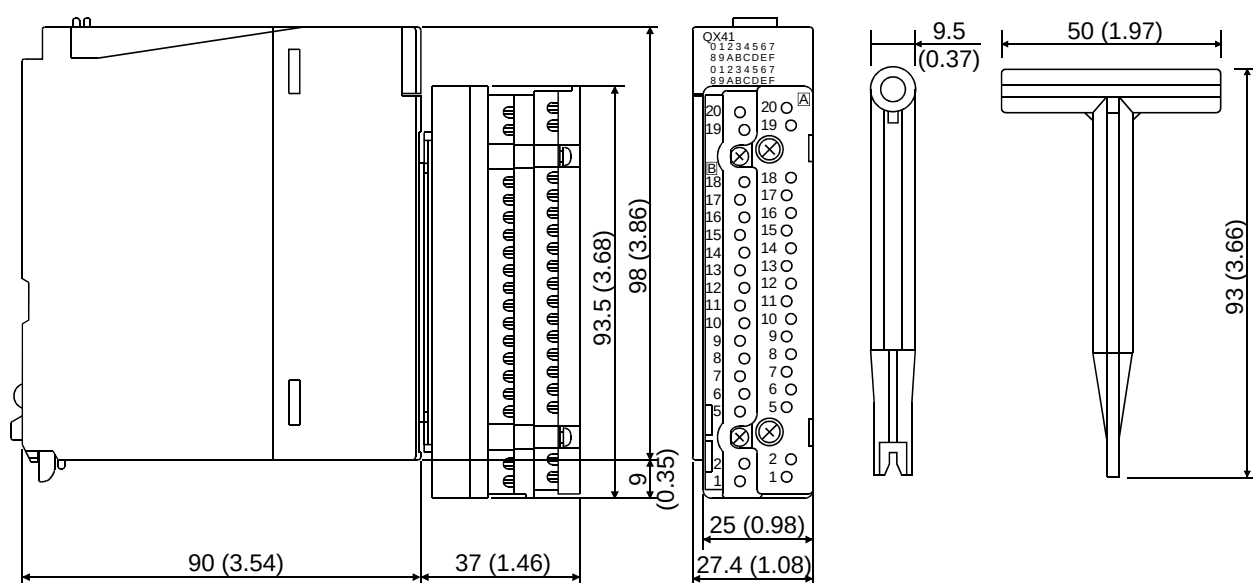
*1: Direction of wire tensile strength (while terminal block is fixed to I/O module)



*2: The "UL STYLE 1007" or "CSA TYPE TR-64" type cable is recommended.

[External Dimensions]

(1) Q6TA32 (when mounted on an I/O module)



Unit: mm (inch)

[Manual]

Manual name	Manual supply status	IB/SH number	Model code
Q6TA32 IDC Terminal Block Adapter for MELSEC-Q Series 32-Point I/O Module User's Manual	Included with product	IB-0800228	13JT92

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02 (MEE)

Specifications subject to change without notice.

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