

KOYO ELECTRONICS INDUSTRIES CO., LTD.

MECHATROLINK MODULE for DL06 series

D0-MLINK

Features

- Achieved the motion control function using the small size PLC.
- Enabled DL06 to be used as a motion controller. (Scheduling to execute by DL05)
- By installing D0-MLINK, it is possible to connect easily with various actuators ; such as the servo motor and the stepping motors as well as I/O equipment. In addition, the motion system for the wiring-saving can be constructed.
- Positioning of seven independent axes can be executed with DL06. (DL05 is scheduled to execute up to two independent axes.)
- Only setting the parameter in the data register of PLC, high accuracy positioning can be achieved easily and at low cost.



D0-MLINK

Specifications

Item	Specifications
Function	MECHATROLINK Master
Control method	MECHATROLINK- I : 4Mbps MECHATROLINK- II : 10Mbps
Number of Axis to control	DL06 : 7axes DL05 : 2axes (Being scheduled)
Transmission distance	The maximum total extension 50m Minimum distance between stations 0.5m
Data transmission method	Transmitting / receiving the data through the data register. Transmission: Setting the data by the ladder program. (command to each axis) Receiving: D0-MLINK sets the status of each axis in the data register.
Number of stations to connect	DL06: Up to seven slave stations DL05: Up to two slave stations. (Being scheduled)

MECHATROLINK Specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Servo	×	×	×
	Stepping Motor Drivers	×	×	×
	Intelligent I/O	-	-	-
	Simple I/O	-	-	-
	Inverter	-	-	-
Transmission cycle		2ms	2ms	2ms

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