

SLIO PART NUMBERS

SUPPORTED BY MOTIONWORKS IEC V3

SLIO makes every aspect of input/output for automation motion control easier and faster, from hardware installation through software setup to easy reconfiguration of an existing SLIO I/O system. A complete range of SLIO modules are supported by MotionWorks IEC v3, which features a built-in SLIO hardware configuration toolkit.

For each SLIO system with MotionWorks IEC v3 support, an E/IP Interface Module will be needed. Each E/IP Interface Module can accommodate up to 64 Signal Modules. The current draw of the modules and the devices used on the output modules may also require the addition of a Power Module to the system. You can use the SLIO Hardware Configuration tool in MotionWorks IEC v3 to determine whether a Power Module is needed. If you don't have MotionWorks IEC v3, please call Yaskawa Technical Support at 1-847-887-7000 for assistance.



DIGITAL INPUT MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
021-1BB00	2 inputs	Y	Y
021-1BB10	2 fast inputs; Input filter time delay parameterizable 2 μs - 4 ms	Y	Y
021-1BD00	4 inputs	Y	Y
021-1BD10	4 fast inputs; Input filter time delay parameterizable 2 μs - 4 ms	Y	Y
021-1BD40	4 inputs; Connect 2/3-wire	Y	Y
021-1BD50	4 inputs; Active low input	Y	Y
021-1BD70	4 inputs; Time stamp	N	N
021-1BF00	8 inputs	Y	Y
021-1BF01	8 inputs; 0.5 MS	Y	Y
021-1BF50	8 inputs; Active low input	Y	N
021-1DF00	8 inputs; Diagnosis of wiring errors	Y	Y
021-1SD00	4 inputs; Safety	N	N

DIGITAL OUTPUT MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
022-1BB00	2 outputs; Output current 0.5 A	Y	Y
022-1BB90	2 outputs; PWM	Y	Y
022-1BD00	4 outputs; Output current 0.5 A	Y	Y
022-1BD20	4 outputs; Output current 2 A	Y	Y
022-1BD50	4 Low-Side outputs; Output current 0.5 A	Y	Y
022-1BD70	4 outputs; Time stamp, Output current 0.5 A	N	N
022-1BF00	8 outputs; Output current 0.5 A	Y	Y
022-1BF50	8 Low-Side outputs; Output current 0.5 A	Y	Y
022-1HB10	2 relay outputs; DC 30 V / AC 230 V; Output current 3 A	Y	Y
022-1HD10	4 relay outputs; DC 30 V / AC 230 V; Output current 1.8 A	Y	Y
022-1DF00	8 outputs; Output current: 0.5 A; Diagnosis of wiring errors	Y	Y
022-1SD00	4 outputs; Safety; Output current 0.5 A	N	N

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ANALOG INPUT MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
O31-1BB10	2 inputs 12-Bit; Current 4-20 mA; 2 wire	Y	Y
O31-1BB30	2 inputs 12-Bit; Voltage 0-10 V	Y	Y
O31-1BB40	2 inputs 12-Bit; Current 0(4)-20 mA	Y	Y
O31-1BB60	2 inputs 12-Bit; Current 4-20 mA; 2 wire	Y	Y
O31-1BB70	2 inputs 12-Bit; Voltage -10 V to +10 V	Y	Y
O31-1BB90	2 inputs 16-Bit; Thermocouple; Voltage -80 mV to +80 mV	Y	Y
O31-1BD30	4 inputs 12-Bit; Voltage 0-10 V	Y	Y
O31-1BD40	4 inputs 12-Bit; Current 0(4)-20 mA	Y	Y
O31-1BD70	4 inputs 12-Bit; Voltage -10 V to +10 V	Y	Y
O31-1BD80	4 inputs 16-Bit; 0-3000 ohm resistance; Resistance measurement with 2, 3, and 4-wires	Y	N
O31-1BF60	8 inputs 12-Bit; Current 0(4)-20 mA	Y	N
O31-1BF74	8 inputs 12-Bit; Voltage -10 V to +10 V	Y	N
O31-1CB30	2 inputs 16-Bit; Voltage 0-10 V	Y	Y
O31-1CB40	2 inputs 16-Bit; Current 0(4)-20 mA	Y	Y

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
O31-1CB70	2 inputs 16-Bit; Voltage -10 V to +10 V	Y	Y
O31-1CD30	4 inputs 16-Bit; Voltage 0-10 V	Y	Y
O31-1CD35	4 inputs 16-Bit; Voltage 0-10 V	Y	Y
O31-1CD40	4 inputs 16-Bit; Current 0(4)-20 mA	Y	Y
O31-1CD45	4 inputs 16-Bit; Current 0(4)-20 mA	Y	Y
O31-1CD70	4 inputs 16-Bit; Voltage -10 V to +10 V	Y	Y
O31-1LB90	2 inputs 16-Bit; Thermocouple; Voltage -80 mV to +80 mV; Requires less parameter bytes than module O31-1BB90	Y	Y
O31-1LD80	4 inputs 16-Bit; 0-3000 ohm resistance; Resistance measurement with 2, 3, and 4-wires; Requires less parameter bytes than module O31-1BD80	Y	N
O31-1CA20	Load Cell 16(24)-Bit; 4 or 6 wire	Y	Y
O31-1PA00	Energy Measure Terminal; 3Ph 230/400V 1A	Y	Y
O31-1PA10	Energy Measure Terminal; 3Ph 230/400V 1/5A	Y	Y

ANALOG OUTPUT MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
O32-1BB30	2 outputs 12-Bit; Voltage 0-10 V	Y	Y
O32-1BB40	2 outputs 12-Bit; Current 0(4)-20 mA	Y	Y
O32-1BB70	2 outputs 12-Bit; Voltage -10 V to +10 V	Y	Y
O32-1BD30	4 outputs 12-Bit; Voltage 0-10 V	Y	Y
O32-1BD40	4 outputs 12-Bit; Current 0(4)-20mA	Y	Y
O32-1BD70	4 outputs 12-Bit; Voltage -10 V to +10 V	Y	Y

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
O32-1CB30	2 outputs 12-Bit; Voltage 0-10 V	Y	Y
O32-1CB40	2 outputs 16-Bit; Current 0(4)-20 mA	Y	Y
O32-1CB70	2 outputs 16-Bit; Voltage -10 V to +10 V	Y	Y
O32-1CD30	4 outputs 16-Bit; Voltage 0-10 V	Y	Y
O32-1CD40	4 outputs 16-Bit; Current 0(4)-20mA	Y	Y
O32-1CD70	4 outputs 16-Bit; Voltage -10 V to +10 V	Y	Y

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POTENTIAL DISTRIBUTOR MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
001-1BA00	8 x DC 24 V clamps	Y	Y
001-1BA10	8 x DC 0 V clamps	Y	Y
001-1BA20	4 x DC 24 V; 4 x DC 0 V clamps	Y	Y

POWER MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
007-0AA00	Power supply DC 24 V, 10 A; (Only electronic modules as spare part of PLC and interface module)	Y	Y
007-1AB00	Power supply DC 24 V, 10 A; Reverse polarity protection; Overvoltage protection	Y	Y
007-1AB10	Power supply DC 24 V, 4 A; Power supply DC 24 V for bus supply 5 V, 2 A; Reverse polarity protection; Overvoltage protection	Y	Y

INTERFACE MODULES

Material Number	Description	Supported by MWiec
053-1IP01	EtherNet/IP-Slave; 2-Port Switch RJ45 100BaseTX full duplex; IO configuration via fieldbus; Up to 64 peripheral modules	Y
053-1ML00	MECHATROLINK-III slave; Transfer rate 100 Mbit/s; Up to 64 peripheral modules	Y

FUNCTION MODULES

Material Number	Description	Supported by E/IP Module	Supported by M-III Module
050-1BA00	Counter Module; 1 Counter 32-Bit (AB), DC 24V	Y	Y
050-1BA10	Counter Module; 1 Counter 32-Bit (AB); DC 5V (difference signal)	Y	Y
050-1BB00	Counter Module; 2 Counter 32-Bit (AB); DC 24V	Y	Y
050-1BB30	Counter Module Eco; 2 Counter 32-Bit (AB); DC 24V	Y	Y
050-1BB40	Frequency Measurement; 2 Channels 24-Bit; DC 24V	Y	Y
050-1BS00	SSI-Encoder; Master or Slave Mode; Encoder Frequency 125 kHz - 2 MHz; µs time stamp for encoder value	N	Y
054-1BA00	Stepper Module; 1-channel with feedback; 4 inputs/ outputs DC 24V	Y	N
054-1CB00	DC Motor Module, 2-channel with feedback; 4 inputs/ outputs DC 24V	Y	N
054-1DA00	Pulse Train Output Module; 1-channel RS422 w/ feedback; 4 configurable inputs/outputs	Y	N