YASKAWA

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/0 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 accomodate 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 No.	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 No.	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

SLIO Modules

Analog Input Modules

Material No.	Description	Supported by E/IP Module	Supported by M-III Module
031-1BB10	2 inputs 12Bit Current 4...20 mA 2 wire	Y	Y
031-1BB30	2 inputs 12Bit Voltage 0...10 V	Y	Y
031-1BB40	2 inputs 12Bit Current 0(4)...20 mA	Y	Y
031-1BB60	2 inputs 12Bit Current 4...20 mA 2 wire	Y	Y
031-1BB70	2 inputs 12Bit Voltage -10 V...+10 V	Y	Y
031-1BB90	2 inputs 16Bit Thermocouple Voltage -80mV...+80mV	Y	Y
031-1BD30	4 inputs 12Bit Voltage 0...10 V	Y	Y
031-1BD40	4 inputs 12Bit Current 0(4)...20 mA	Y	Y
031-1BD70	4 inputs 12Bit Voltage -10 V...+10 V	Y	Y
031-1BD80	4 inputs 16Bit 0 .. 3000 ohm resistance Resistance measurement with 2, 3, and 4-wires	Y	N
031-1BF60	8 inputs 12Bit Current 0(4)...20 mA	Y	N
031-1BF74	8 inputs 12Bit Voltage -10 V...+10 V	Y	N
031-1CB30	2 inputs 16Bit Voltage 0...10 V	Y	Y
031-1CB40	2 inputs 16Bit Current 0(4)...20 mA	Y	Y
031-1CB70	2 inputs 16Bit Voltage -10 V...+10 V	Y	Y
031-1CD30	4 inputs 16Bit Voltage 0...10 V	Y	Y
031-1CD35	4 inputs 16Bit Voltage 0...10 V	Y	Y
031-1CD40	4 inputs 16Bit Current 0(4)...20 mA	Y	Y
031-1CD45	4 inputs 16Bit Current 0(4)...20 mA	Y	Y
031-1CD70	4 inputs 16Bit Voltage -10 V...+10 V	Y	Y
031-1LB90	2 inputs 16Bit Thermocouple Voltage -80mV...+80mV Requires less parameter bytes than module 031-1BB90	Y	Y
031-1LD80	4 inputs 16Bit 0 .. 3000 ohm resistance Resistance measurment with 2, 3, and 4-wires Requires less parameter bytes than module 031-1BD80	Y	N
031-1CA20 031-1PA00	Load Cell 16(24)Bit 4 or 6 wire	Y	Y
031-1PA00 031-1PA10	Energy Measure Terminal 3Ph 230/400V 1A	Y	Y
031-1PA10 031-1PA10	Energy Measure Terminal 3Ph 230/400V 1/5A	Y	Y

Analog Output Modules

Material No.	Description	Supported by E/IP Module	Supported by M-III Module
032-1BB30	2 outputs 12Bit Voltage 0...10 V	Y	Y
032-1BB40	2 outputs 12Bit Current 0(4)...20 mA	Y	Y
032-1BB70	2 outputs 12Bit Voltage -10 V...+10 V	Y	Y
032-1BD30	4 outputs 12Bit Voltage 0...10 V	Y	Y
032-1BD40	4 outputs 12Bit Current 0(4)...20mA	Y	Y
032-1BD70	4 outputs 12Bit Voltage -10 V...+10 V	Y	Y
032-1CB30	2 outputs 12Bit Voltage 0...10 V	Y	Y
032-1CB40	2 outputs 16Bit Current 0(4)...20 mA	Y	Y
032-1CB70	2 outputs 16Bit Voltage -10 V...+10 V	Y	Y
032-1CD30	4 outputs 16Bit Voltage 0...10 V	Y	Y
032-1CD40	4 outputs 16Bit Current 0(4)...20mA	Y	Y
032-1CD70	4 outputs 16Bit Voltage -10 V...+10 V	Y	Y

Potential Distribution Modules

Material No.	Description	Supported by E/IP Module	Supported by M-III Module
021-1BB00	2 Inputs	Y	Y
021-1BB10	4 fast inputs Input filter time delay paramerizable 2 µs...4 ms	Y	Y
021-1BD00	4 inputs	Y	Y
021-1BD10	4 fast inputs Input filter time delay paramerizable 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 wring errors	Y	Y
021-1SD00	4 inputs Safety	N	N

SLIO Modules

Potential Distribution Modules

Material No.	Description	Supported by E/IP Module	Supported by M-III Module
001-1BA00	8xDC 24 V clamps	Y	Y
001-1BA10	8xDC 0 V clamps	Y	Y
001-1BA20	4xDC 24 V, 4xDC 0 V clamps	Y	Y

Power Modules

Material No.	Description	Supported by E/IP Module	Supported by M-III Module
007-0AA00	Power supply DC 24 V, 10 A (Only elecronic 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 No.	Description	Supported by MWiec
053-1IP01	EtherNet/IP-Slave 2-Port Switch RJ45 100BaseTX fullduplex IO configuration via fieldbus Up to 64 peripheral modules	Y
053-1ML00	MECHATROLINK-III slave Transfer rate 100Mbit/s Up to 64 peripheral modules	Y

Functional Modules

Material No.	Description	Supported by E/IP Module	Supported by M-III Module
050-1BA00	Counter Module, 1 Couter 32 Bit (AB), DC 24V	Y	Y
050-1BA10	Counter Module, 1 Couter 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		
050-1BS00	SSI-Encoder, Master or Slave Mode, Encoder Frequency 125 kHz - 2MHz, ?s 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 with feedbback, 4 configurable inputs/ outputs	Y	N

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