800-Series I/O Fact Sheet

AEG

Discrete Input Modules

Model	Voltage Range	Number of Inputs	Number Per Common	I/O Power Required (mA) +5.0V	+4.3V	-5.0V	Required Addressing Disc. I/O	Reg. I/O	Required Connector
B807-032	115 VAC	32	8	80	2	0	32 / 0	0 / 0	AS-8535-000
B805-016	115 VAC	16	8	40	1	14	16 / 0	0 / 0	AS-8534-000
B817-116	115 VAC	16	1	25	25	8	16 / 0	0 / 0	AS-8535-000
B803-008	115 VAC	8	1	27	1	2	8 / 0	0 / 0	AS-8534-000
B809-016	230 VAC	16	8	42	1	15	16 / 0	0 / 0	AS-8534-000
B817-216	230 VAC	16	1	25	25	8	16 / 0	0 / 0	AS-8535-000
B827-032	24 VDC (TH)	32	32	30	1	0	32 / 0	0 / 0	AS-8535-000
B825-016	24 VDC (TH)	16	8	27	2	0	16 / 0	0 / 0	AS-8534-000
B833-016	24 VDC (TL)	16	8	27	2	0	16 / 0	0 / 0	AS-8534-000
B881-001	24 VDC (LATCH)	16	16	21	1	0	0 / 0	1 / 1	AS-8534-000
B821-008	10-60 VDC (TH)	8	2	27	1	0	8 / 0	0 / 0	AS-8534-000
B837-016	24 VAC/DC	16	8	40	1	15	16 / 0	0 / 0	AS-8534-000
B849-016	48 VAC/DC	16	8	40	1	15	16 / 0	0 / 0	AS-8534-000
B853-016	115 VAC/125 VDC	16	8	40	1	15	16 / 0	0 / 0	AS-8534-000
B829-116	5 V TTL	16	16	20	1	0	16 / 0	0 / 0	AS-8534-000
B865-001	TTL Register	8 CH.	8	400	600	0	0 / 0	8 / 0	AS-8535-000
B855-016	12 VDC Intr. Safe	16	16	80	1	1	16 / 0	0 / 0	AS-8535-000

Discrete Output Modules

Model	Voltage Range	No. of Outputs	No. Per Common	Output Current Capability Amps per Point	Amps per Group	Amps per Module	I/O Power Req'd. (mA) +5.0V	+4.3V	-5.0V	Req'd. Addressing Disc. I/O	Reg. I/O	Required Connector
B806-032	115 VAC	32	16	1	8	16	210	1	0	0 / 32	0 / 0	AS-8535-000
B804-016	115 VAC	16	8	2	6	12	76	480	0	0 / 16	0 / 0	AS-8534-000
B810-008	115 VAC	8	1	2	2	12	50	240	0	0 / 8	0 / 0	AS-8534-000
B802-008	115 VAC	8	2	2	6	12	76	240	0	0 / 8	0 / 0	AS-8534-000
B808-016	230 VAC	16	8	2	6	12	76	480	0	0 / 16	0 / 0	AS-8534-000
B838-032	24 VDC (TH)	32	8	5	4	12	160	1	0	0 / 32	0 / 0	AS-8535-000
B826-032	24 VDC (TH)	32	32	25	8	8	50	1	0	0 / 32	0 / 0	AS-8535-000
B824-016	24 VDC (TH)	16	8	2	6	12	32	260	0	0 / 16	0 / 0	AS-8534-000
B832-016	24 VDC (TL)	16	8	—	—	—	32	235	0	0 / 16	0 / 0	AS-8534-000
B820-008	10-60 VDC (TH)	8	2	2	6	12	90	80	0	0 / 8	0 / 0	AS-8534-000
B836-016	12-250 VDC	16	1	2	2	8	50	603	0	0 / 16	0 / 0	AS-8535-000
B814-108	Relay (NO/NC)	8	1	4/5	4/5	32/40	107	800	0	0 / 8	0 / 0	AS-8534-000
B840-108	Reed Relay (NO/NC)	8	1	2	2	16	67	400	0	0 / 8	0 / 0	AS-8534-000
B828-016	5 V TTL	16	16	—	—	—	32	220	0	0 / 16	0 / 0	AS-8534-000
B864-001	TTL Register	8 CH.	8	—	—	—	220	180	0	0 / 0	0 / 8	AS-8535-000

Analog Input Modules

Model	Description and Application Range	Number Channels	I/O Power Required (mA) +5.0V	+4.3V	-5.0V	Required Addressing Disc. I/O	Reg. I/O	Required Connector
B875-102	Fast A/D: 4-20mA; ±10V; ±5V; 0-10V; 0-5V; 1-5V	8	650	975	0	0 / 0	8 / 0	Included
B875-002	A/D: 4-20mA; 1-5V	8	300	300	0	0 / 0	8 / 0	Included
B873-002	A/D: 4-20mA; 1-5V	4	300	300	0	0 / 0	4 / 0	Included
B875-012	A/D: -10V TO +10V	8	300	300	0	0 / 0	8 / 0	Included
B873-012	A/D: -10V TO +10V	4	300	300	0	0 / 0	4 / 0	Included
B883-200	Thermocouple: Type B,E,J,K,R,S,T,N or linear mV	10	300	0	0	0 / 0	3 / 3	Included
B883-201	RTD: American or European 100 OHM Platinum	8	400	5	0	0 / 0	3 / 3	Included
B846-001	Analog Multiplexer: 16 Voltage Inputs, 1 Output	16	65	1	0	0 / 0	0 / 1	AS-8535-000
B846-002	Analog Multiplexer: 16 Current Inputs, 1 Output	16	65	1	0	0 / 0	0 / 1	AS-8535-000

Analog Output Modules

Model	Description and Application Range	Number Channels	I/O Power Required (mA) +5.0V	+4.3V	-5.0V	Required Addressing Disc. I/O	Reg. I/O	Required Connector
B872-002	D/A: 4-20mA, 1-5V	4	430	10	0	0 / 0	0 / 4	Included
B872-011	D/A: ±10V, ±5V, 0-10V, 0-5V	4	240	750	0	0 / 0	0 / 4	Included

Intelligent Modules

Model	Description		I/O Power Required (mA) +5.0V	+4.3V	-5.0V	Required Addressing Disc. I/O	Reg. I/O	Required Connector
B882-239	High Speed Counter, 2 Up-Counters, 0-30kHz		188	0	0	0 / 0	2 / 2	Included
B883-001	High Speed Counter, 2 Up/Down, 0-50kHz, Internal Clock		680	0	0	0 / 0	3 / 3	Included
B883-101	CAM Emulator, Absolute Encoder Input, 8 Discrete Out		1000	0	0	0 / 0	3 / 3	Included
B883-111	CAM Emulator With Velocity Compensation		1000	0	0	0 / 0	3 / 3	Included
B884-002	PID: 2 Loops, Cascadable, Standalone, 11 Total I/O		50	0	0	0 / 0	4 / 4	Included
B885-002	ASCII/BASIC, 64K RAM, 2 RS232/422 Ports	RS422 Mode	500	1760	0	0 / 0	6 / 6	Included
		RS232 Mode	400	1000	0	0 / 0	6 / 6	Included
B984-100	Discrete High Speed Logic Solver 16 in, 8 out		0	0	0	0 / 0	4-8 / 4-8	Included

800 I/O Power Supplies

Model	Description	Voltage	Required Housing	Required Slots	I/O Power Available (mA) +5.0V	+4.3V	-5.0V
P884-001	Remote Primary and Secondary	120/220 VAC	H8XX-100/103/107	1.5	5000	10100	500
P802-001	Remote Primary and Secondary	24 VDC	H8XX-100/103/107	1.5	2500	10100	500
P810-000	Remote Primary and Secondary	120/220 VAC	H8XX-100/103/107	1.5	5000	5000	300
984-68x/78x	Internal Supply for Local I/O	120/220 VAC, 24 VDC	H8XX-209	1.5	8000	6000	500 (1)
984-38x/48x	Internal Supply for Local I/O	120/220 VAC, 24 VDC	H8XX-209	1	3000	3000	250 (2)
P890/892	Internal Supply for Remote I/O	120/220 VAC, 24 VDC	H8XX-209	1	3000	3000	250 (2)

(1) Total Maximum = 8000 mA (2) Total Maximum = 3000 mA

800 I/O Remote Processors and Interfaces

Model	Description	Required Housings	Required Slots
S908-110	Remote I/O Processor For 984-68x/78x Controller, Single Cable	H8XX-209	1 (3) (6)
S908-120	Remote I/O Processor for 984-68x/78x Controller, Dual Cable	H8XX-209	1 (3) (6)
D908-110	Distributed Control Processor for 984-68x/78x Controller, Single Cable	H8XX-209	1 (3) (6)
D908-120	Distributed Control Processor for 984-68x/78x Controller, Dual Cable	H8XX-209	1 (3) (6)
J890-001	Remote I/O Interface for S908, Single Cable	H8XX-103/107	1.5 (4)
J890-002	Remote I/O Interface for S908, Dual Cable	H8XX-103/107	1.5 (4)
J892-001	Remote I/O Interface for S908, Single Cable, 2 ASCII Ports	H8XX-103/107	1.5 (4)
J892-002	Remote I/O Interface for S908, Dual Cable, 2 ASCII Ports	H8XX-103/107	1.5 (4)
P890-000	Remote I/O Interface for S908, 3 AMP Power Supply, Single Cable	H8XX-209	1
P892-000	Remote I/O Interface for S908, 3 AMP Power Supply, Single Cable, 2 ASCII Ports	H8XX-209	1
J810-000	Remote I/O Interface for S901, Single Cable	H8XX-103/107	1.5 (5)
J812-000	Remote I/O Interface for S901, Single Cable, 2 ASCII Ports	H8XX-103/107	1.5 (5)

(3) Requires 1500 mA from +5.0V of 984-68x/78x
(4) Requires 120 mA from -5.0V of Power Supply
(5) Requires 100 mA from -5.0V of Power Supply
(6) Must reside within slots 3-7 of H8xx-209 Housing

800 I/O Housings

Model	Description	Length	Available I/O Slots
H819-209	Primary for 984-38x, 48x, 68x/78x; S908, P89x, and I/O	19 Inches	6 (38x, 48x), 5 (68x/78x), 4 (68x/78x W/ S908)
H827-209	Primary for 984-38x, 48x, 68x/78x; S908, P89x, and I/O	27 Inches	10 (38x, 48x), 9 (68x/78x), 8 (68x/78x W/ S908)
H819-103	Primary for Remote I/O Interface, Power Supply and I/O	19 Inches	4 (W/ Receiver & P.S.)
H827-103	Primary for Remote I/O Interface, Power Supply and I/O	27 Inches	8 (W/ Receiver & P.S.)
H819-100	Secondary Rack, Power Supply and I/O Only	19 Inches	5 (W/ P.S.), 7 (No P.S.)
H827-100	Secondary Rack, Power Supply and I/O Only	27 Inches	9 (W/ P.S.), 11 (No P.S.)

800 I/O Cables

Model	Description	Available Lengths 1.5 FT	5.0 FT	6.0 FT	8.0 FT	12.0 FT
W801-XXX	I/O Signal Cable Between Racks at a Local or Remote Drop	-002		-006		-012
W808-XXX	I/O Power Extender Cable to Additional Rack Without Power Supply	-002	-006		-008	N/A
W802-XXX	I/O Power Extender Cable to Additional Rack Without Power Supply	N/A		N/A		-012
W804-XXX	I/O Power Extender Cable to Additional Rack With Power Supply	-002	-006			-012
W929-XXX	Local I/O Cable for The 984X	N/A		-006		-012

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