

List of current consumptions

System SLIO

Digital input modules	Current consumption	
021-1BB00	SM 021 - Digital input - 2 inputs	65mA
021-1BB10	SM 021 - Digital input - 2 fast inputs - Input filter time delay 2µs...4ms	100mA
021-1BB50	SM 021 - Digital input - 2 inputs - Active low input	65mA
021-1BB70	SM 021 - Digital input - 2 inputs - Time stamp	100mA
021-1BD00	SM 021 - Digital input - 4 inputs	65mA
021-1BD10	SM 021 - Digital input - 4 fast inputs - Input filter time delay 2µs...4ms	100mA
021-1BD40	SM 021 - Digital input - 4 inputs - Connect 2/3-wire	65mA
021-1BD50	SM 021 - Digital input - 4 inputs - Active low input	65mA
021-1BD70	SM 021 - Digital input - 4 inputs - Time stamp	100mA
021-1BF00	SM 021 - Digital input - 8 inputs	65mA
021-1BF01	SM 021 - Digital input - 8 inputs - 0.5ms	35mA
021-1BF50	SM 021 - Digital input - 8 inputs - Active low input	65mA
021-1BH00	SM 021 - Digital input - 16 inputs	35mA
021-1DF00	SM 021 - Digital input - 8 inputs - Diagnosis of wiring errors	60mA
021-1SD00	SM 021 - Digital input - 4 inputs - Safety	95mA
021-1SD10	SM 021 - Digital input - 4 inputs - Safety FSoE	95mA
Digital output modules	Current consumption	
022-1BB00	SM 022 - Digital output - 2 outputs - Output current 0.5A	70mA
022-1BB20	SM 022 - Digital output - 2 outputs - Output current 2A	70mA
022-1BB50	SM 022 - Digital output - 2 Low-Side outputs - Output current 0.5A	70mA
022-1BB70	SM 022 - Digital output - 2 outputs - Time stamp - Output current 0.5A	105mA
022-1BB90	SM 022 - Digital output - 2 outputs - PWM	105mA
022-1BD00	SM 022 - Digital output - 4 outputs - Output current 0.5A	75mA
022-1BD20	SM 022 - Digital output - 4 outputs - Output current 2 A	75mA
022-1BD50	SM 022 - Digital output - 4 Low-Side outputs - Output current 0.5A	75mA
022-1BD70	SM 022 - Digital output - 4 outputs - Time stamp - Output current 0.5A	105mA
022-1BF00	SM 022 - Digital output - 8 outputs - Output current 0.5A	80mA
022-1BF50	SM 022 - Digital output - 8 Low-Side outputs - Output current 0.5A	80mA
022-1BH00	SM 022 - Digital output - 16 outputs - Output current 0.5A	35mA
022-1DF00	SM 022 - Digital output - 8 outputs - Output current 0.5A - Diagnosis of wiring errors	70mA
022-1HB10	SM 022 - Digital output - 2 relay outputs - DC30V/AC230V - Output current 3A	120mA
022-1HD10	SM 022 - Digital output - 4 relay outputs - DC30V/AC230V - Output current 1.8A	120mA

Digital output modules	Current consumption	
022-1SD00	SM 022 - Digital output - 4 outputs - Safety - Output current 0.5A	75mA
022-1SD10	SM 022 - Digital output - 4 outputs - Safety FSoE - Output current 0.5A	75mA
Analog input modules	Current consumption	
031-1BB10	SM 031 - Analog input - 2 inputs 12Bit - Current 0(4)...20mA, 2-wire	50mA
031-1BB30	SM 031 - Analog input - 2 inputs 12Bit - Voltage 0...10V	80mA
031-1BB40	SM 031 - Analog input - 2 inputs 12Bit - Current 0(4)...20mA	80mA
031-1BB60	SM 031 - Analog input - 2 inputs 12Bit - Current 0(4)...20mA, 2-wire	50mA
031-1BB70	SM 031 - Analog input - 2 inputs 12Bit - Voltage $\pm 10V$	50mA
031-1BB90	SM 031 - Analog input - 2 inputs 16Bit - Thermocouple, Voltage $\pm 80mV$	85mA
031-1BD30	SM 031 - Analog input - 4 inputs 12Bit - Voltage 0...10V	75mA
031-1BD40	SM 031 - Analog input - 4 inputs 12Bit - Current 0(4)...20mA	75mA
031-1BD70	SM 031 - Analog input - 4 inputs 12Bit - Voltage $\pm 10V$	55mA
031-1BD80	SM 031 - Analog input - 4 inputs 16Bit - 0...3000 ohm resistance Resistance measurement with 2, 3, and 4-wires	85mA
031-1BF60	SM 031 - Analog input - 8 inputs 12Bit - Current 0(4)...20mA	70mA
031-1BF74	SM 031 - Analog input - 8 inputs 12Bit - Voltage $\pm 10V$	70mA
031-1CA20	SM 031 - Analog input - 1x16Bit strain gauge DMS	55mA
031-1CB30	SM 031 - Analog input - 2 inputs 16Bit - Voltage 0...10V	60mA
031-1CB40	SM 031 - Analog input - 2 inputs 16Bit - Current 0(4)...20mA	60mA
031-1CB70	SM 031 - Analog input - 2 inputs 16Bit - Voltage $\pm 10V$	60mA
031-1CD30	SM 031 - Analog input - 4 inputs 16Bit - Voltage 0...10V	65mA
031-1CD35	SM 031 - Analog input - 4 inputs 16Bit - Voltage 0...10V	65mA
031-1CD40	SM 031 - Analog input - 4 inputs 16Bit - Current 0(4)...20mA	65mA
031-1CD45	SM 031 - Analog input - 4 inputs 16Bit - Current 0(4)...20mA	65mA
031-1CD70	SM 031 - Analog input - 4 inputs 16Bit - Voltage $\pm 10V$	65mA
031-1LB90	SM 031 - Analog input - 2 inputs 16Bit - Thermocouple, Voltage $\pm 80mV$	55mA
031-1LD80	SM 031 - Analog input - 4 inputs 16Bit - 0...3000 ohm resistance Resistance measurement with 2, 3, and 4-wires	55mA
031-1PA00	SM 031 - Analog input - AI1x 3Ph 230/400V 1A	60mA
031-1PA10	SM 031 - Analog input - AI1x 3Ph 230/400V 5A	60mA
Analog output modules	Current consumption	
032-1BB30	SM 032 - Analog output - 2 outputs 12Bit - Voltage 0...10V	85mA
032-1BB40	SM 032 - Analog output - 2 outputs 12Bit - Current 0(4)...20mA	85mA

Analog output modules	Current consumption	
032-1BB70	SM 032 - Analog output - 2 outputs 12Bit - Voltage $\pm 10V$	60mA
032-1BD30	SM 032 - Analog output - 4 outputs 12Bit - Voltage 0...10V	90mA
032-1BD40	SM 032 - Analog output - 4 outputs 12Bit - Current 0(4)...20mA	90mA
032-1BD70	SM 032 - Analog output - 4 outputs 12Bit - Voltage $\pm 10V$	60mA
032-1CB30	SM 032 - Analog output - 2 outputs 16Bit - Voltage 0...10V	60mA
032-1CB40	SM 032 - Analog output - 2 outputs 16Bit - Current 0(4)...20 mA	60mA
032-1CB70	SM 032 - Analog output - 2 outputs 16Bit - Voltage $\pm 10V$	60mA
032-1CD30	SM 032 - Analog output - 4 outputs 16Bit - Voltage 0...10V	65mA
032-1CD40	SM 032 - Analog output - 4 outputs 16Bit - Current 0(4)...20mA	65mA
032-1CD70	SM 032 - Analog output - 4 outputs 16Bit - Voltage $\pm 10V$	65mA

CPs	Current consumption	
040-1BA00	CP 040 - Communication processor - RS232 interface	110mA
040-1CA00	CP 040 - Communication processor - RS422/485 interface	125mA

Counter modules	Current consumption	
050-1BA00	FM 050 - Counter module - 1 Counter 32 Bit (AB) - DC 24V	75mA
050-1BA10	FM 050 - Counter module - 1 Counter 32 Bit (AB) - DC 5V	75mA
050-1BB00	FM 050 - Counter module - 2 Counter 32 Bit (AB) - DC 24V	75mA
050-1BB30	FM 050 - Counter module - 2 Counter 32 Bit (AB) - DC 24V	75mA
050-1BB40	FM 050 - Frequency measurement module - 2 Channels 24 Bit - DC 24V	35mA

SSI module	Current consumption	
050-1BS00	FM 050S - SSI module - SSI Encoder - Master or slave mode - Encoder frequency 125 kHz...2 MHz - μs time stamp for encoder value	85mA

Motion modules	Current consumption	
054-1BA00	FM 054 - Motion module - Stepper	50mA
054-1CB00	FM 054 - Motion module - 2xDC	50mA
054-1DA00	FM 054 - Motion module - Pulse Train RS422	50mA