

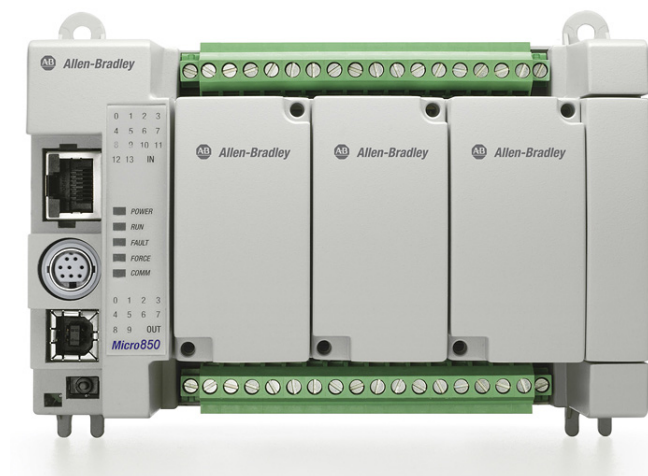
Micro850 Controllers – Number and Types of Inputs and Outputs

Catalog Number	Inputs		Outputs			PTO/PWM Support	HSC Support ⁽¹⁾
	120V AC	24V DC/V AC	Relay	24V DC Source	24V DC Sink		
2080-LC50-24AWB	14	–	10	–	–	–	–
2080-LC50-24QWB	–	14	10	–	–	–	4
2080-LC50-24QVB	–	14	–	–	10	2	4
2080-LC50-24QBB	–	14	–	10	–	2	4
2080-LC50-48AWB	28	–	20	–	–	–	–
2080-LC50-48QWB	–	28	20	–	–	–	6
2080-LC50-48QVB	–	28	–	–	20	3	6
2080-LC50-48QBB	–	28	–	20	–	3	6

(1) Maximum number of HSC supported.

For more information, see the Micro830, Micro850, and Micro870 Programmable Controllers User Manual, publication [2080-UM002](#).

Micro850 24-Point Controllers



General Specifications – Micro850 24-Point Controllers

Attribute	2080-LC50-24AWB	2080-LC50-24QWB	2080-LC50-24QVB	2080-LC50-24QBB
Number of I/O	24 (14 inputs, 10 outputs)			
Dimensions (HxWxD)	90 x 158 x 80 mm (3.54 x 6.22 x 3.15 in.)			
Shipping weight, approx.	0.423 kg (0.933 lb)			
Wire size		Min	Max	
	Solid and Stranded	0.2 mm ² (24 AWG)	2.5 mm ² (14 AWG)	Rated @ 90 °C (194 °F) insulation max
Wiring category ⁽¹⁾	2 – on signal ports 2 – on power ports 2 – on communication ports			

General Specifications – Micro850 24-Point Controllers

Attribute	2080-LC50-24AWB	2080-LC50-24QWB	2080-LC50-24QVB	2080-LC50-24QBB
Wire type	Use copper conductors only			
Terminal screw torque	0.4...0.5 Nm (3.5...4.4 lb-in.) using a 0.6 x 3.5 mm flat-blade screwdriver. (Note: Use a handheld screwdriver to hold down the screws at the side.)			
Input circuit type	120V AC	12/24V sink/source (standard) 24V sink/source (high-speed)		
Output circuit type	Relay		24V DC sink (standard and high-speed)	24V DC source (standard and high-speed)
Power consumption, max	8 W – without plug-in modules and expansion I/O modules 28 W – with plug-in modules and expansion I/O modules			
Power supply voltage range	20.4...26.4V DC Class 2			
I/O rating	Input: 120V AC 16 mA Output: 2 A, 240 V AC, 2 A, 24V DC	Input: 24V, 8.8 mA Output: 2 A, 240 V AC, 2 A, 24V DC	Input: 24V, 8.8 mA Output: 24V DC, Class 2, 1 A per point (surrounding air temperature 30 °C) 24V DC, Class 2, 0.3 A per point (surrounding air temperature 65 °C)	
Isolation voltage	250V (continuous), Reinforced Insulation Type, Output to Aux and Network, Inputs to Outputs. Type tested for 60 s @ 3250V DC Output to Aux and Network, Inputs to Outputs 150V (continuous), Reinforced Insulation Type, Input to Aux and Network. Type tested for 60 s @ 1950V DC Input to Aux and Network	250V (continuous), Reinforced Insulation Type, Output to Aux and Network, Inputs to Outputs. Type tested for 60 s @ 3250V DC Output to Aux and Network, Inputs to Outputs. 50V (continuous), Reinforced Insulation Type, Input to Aux and Network Type tested for 60 s @ 720V DC, Inputs to Aux and Network.	50V (continuous), Reinforced Insulation Type, I/O to Aux and Network, Inputs to Outputs. Type tested for 60 s @ 720V DC, I/O to Aux and Network, Inputs to Outputs.	
Pilot duty rating	C300, R150		—	
Insulation stripping length	7 mm (0.28 in.)			
Enclosure type rating	Meets IP20			
North American temp code	T4			

(1) Use this Conductor Category information for planning conductor routing. Refer to Industrial Automation Wiring and Grounding Guidelines, publication [1770-4.1](#).