

Micro800 Plug-in Modules and Accessories – Features and Compatibility

Plug-in / Accessory	Supported by Micro810	Supported by Micro820	Supported by Micro830/Micro850	Feature
1.5" LCD and Keypad 2080-LCD	Yes	No	No	• backup module for Micro810 controllers • configure Smart Relay Function Blocks
Micro810 USB Adapter 2080-USBADAPTER	Yes	No	No	USB programming access
External Power Supply 2080-PS120-240VAC	Yes	Yes	Yes	optional controller power supply
RS232/485 Isolated Serial Port 2080-SERIALISOL	No	Yes	Yes	• adds additional serial communications with Modbus RTU and ASCII protocols • isolated for increased noise immunity
Digital Input, Output, Relay, and Combination Modules 2080-IQ4, 2080-IQ4OB4, 2080-IQ4OV4, 2080-OB4, 2080-OV4, 2080-OW4I	No	Yes	Yes	• 4-channel inputs/outputs or combination modules • configurable as voltage and current inputs • sink or source output • 4-channel relay outputs
High Speed Counter 2080-MOT-HSC	No	Yes	Yes	• Up to a minimum of 250 KHz differential line driver for improved noise immunity and additional dedicated I/O • One Quadrature (ABZ) differential inputs alternately configurable for pulse internal, pulse with external direction, A-up and B-down input configurations, and quadrature mode • User-configurable minimum and maximum values, preset, and Z operation
DeviceNet Scanner 2080-DNET20	No	Yes	Yes	• Scanner mode – scan devices such as CompactBlock™ LDX, PowerFlex® drives, overloads and sensors
Remote LCD 2080-REMLCD	No	Yes	No	• Operator interface for configuring such settings as IP address on Micro820 controller • With RS232 and USB ports
Non-isolated Unipolar Analog Input/Output 2080-IF2, 2080-IF4, 2080-OF2	No	Yes	Yes	• adds up to 20 embedded analog I/O with 12-bit resolution (with 48-point controllers) • 2 channels for 2080-IF2, 2080-OF2 • 4 channels for 2080-IF4
Non-isolated Thermocouple 2080-TC2	No	Yes	Yes	• for temperature control, when used with PID • 2 channels for 2080-TC2 and 2080-RTD2
Non-isolated RTD 2080-RTD2	No	Yes	Yes	
Memory Module with RTC 2080-MEMBAK-RTC	No	No	Yes	• backup project data and application code • high accuracy real-time clock
6-Channel Trim Potentiometer Analog Input 2080-TRIMPOT6	No	Yes	Yes	adds six analog presets for speed, position and temperature control

Catalog	Output power, inductive break, max	Pilot duty rating	Minimum load, per point	Initial contact resistance of relay, max	Output delay time, max
2080-OW4I	180 VA for 125V AC inductive loads 180 VA for 240V AC inductive loads 28 VA for 28.8V DC inductive loads 28 VA for 48V DC inductive loads 28 VA for 125V DC inductive loads	C300, R150	10 mA	30 mΩ	10 ms ON or OFF

Catalog	Relay contact, (0.35 power factor)						
	Volts, max	Amperes		Amperes Continuous	Volt-Amperes		
		Make	Break		Make	Break	
2080-OW4I	120V AC	15 A	1.5 A	2.0 A	1800V A	180V A	
	240V AC	7.5 A	0.75 A				
	24V DC	1.0 A		1.0 A	28V A		
	125V DC	0.22 A					

Catalog	Operating temperature	Non-operating temperature	Surrounding air, max	Relative humidity	Vibration	Shock, operating	Shock, non-operating
2080-OW4I	-20...65 °C (-4...149 °F)	-40...85 °C (-40...185 °F)	65 °C (149 °F)	5...95% noncondensing	2 g @ 10...500 Hz	10 g	DIN rail mounting: 25 g Panel mounting: 35 g

Analog Input and Output Plug-ins



Specifications (2080-IF2, 2080-IF4, 2080-OF2)

Catalog	Number of inputs/outputs	Voltage range	Current range	Power consumption	Input impedance	Voltage resistive load
2080-IF2	2 inputs, unipolar non-isolated	0...10V	0...20 mA	<60 mA @ 3.3V	>100 kΩ for voltage mode 250 Ω for current mode	
2080-IF4	4 inputs, unipolar non-isolated					
2080-OF2	2 outputs, unipolar non-isolated			<60 mA @ 24V	—	1 kΩ, min

Catalog	Current resistive load	Mounting torque	Terminal screw torque	Wire size	Operating temp.	Non-operating temp.	Surrounding air, max	North American temp code
2080-IF2	—	0.2 Nm (1.48 lb-in.)	0.22...0.25 Nm (1.95...2.21 lb-in.) using a 2.5 mm (0.10 in.) flat-blade screwdriver	Solid: 0.14 mm ² (26 AWG), min 1.5 mm ² (16 AWG), max Stranded: 0.14 mm ² (26 AWG), min 1.0 mm ² (18 AWG), max rated @ 90 °C (194 °F) insulation max	-20...65 °C (-4...149 °F)	-40...85 °C (-40...185 °F)	65 °C (149 °F)	T4
2080-IF4								
2080-OF2	500 Ω							