

Modicon X80 modules platform

X80 I/O modules

Analog output modules and mixed I/O modules

Applications		Analog outputs		
				
Type of I/O		Isolated high-level outputs	Isolated high-level outputs	Non-isolated high-level outputs
Type		Voltage/current		Current
Range	Voltage	$\pm 10\text{ V}$		–
	Current	0–20 mA, 4–20 mA		
Modularity		2 outputs	4 outputs	8 outputs
Acquisition period (Inputs)		–		
Conversion time (outputs)		$\leq 1\text{ ms}$		$\leq 4\text{ ms}$
Resolution	Inputs	–		
	Outputs	15 bits + sign		
Isolation		Between channels: 750 V $\overline{\text{---}}$		
		Between channels and bus: 1400 V $\overline{\text{---}}$		
		Between channels and ground: 1400 V $\overline{\text{---}}$		
Connection	Directly to the module	Via BMXFTB20●0 20-way caged, screw clamp or spring-type removable terminal block		
	Via preassembled cordsets	Cordsets with one end with color-coded flying leads BMXFTW●01S (3 or 5 m/9.84 or 16.4 ft)		
Compatibility with Modicon Telefast ABE7 pre-wired system (1)	Connection sub-base	4-channel sub-base for direct connection of 2/4 current/voltage outputs		8-channel sub-base for direct connection of 8 current/voltage inputs
	Type of connection sub-base	ABE7CPA21		ABE7CPA02
	Type of preassembled cordsets	BMXFCA●●0 (1.5, 3, or 5 m/4.92, 9.84, or 16.4 ft)		BMXFTA●●2 (1.5 or 3 m/4.92 or 9.84 ft)
References		BMXAMO0210	BMXAMO0410	BMXAMO0802
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(1) For more information, please refer to the "Telefast Pre-wired system – Modicon ABE7 IP20 connection sub-bases" catalog or visit our website www.se.com.

Mixed analog I/O	
	
Non-isolated high-level inputs and outputs	
Voltage/current	
Inputs: $\pm 10\text{ V}$, 0...10 V, 0...5 V, 1..5 V Outputs: $\pm 10\text{ V}$	
Inputs: 0–20 mA, 4–20 mA Outputs: 0–20 mA, 4–20 mA	
4 inputs and 2 outputs	
Fast: 1 + (1 x no. of declared channels) ms Default: 5 ms for the 4 channels	
$\leq 1\text{ ms}$	
14...12-bit in U range 12-bit in I range	
12-bit in U range 11-bit in I range	
Between groups of input or output channels: 750 V $\overline{\text{---}}$	
Between channels and bus: 1400 V $\overline{\text{---}}$	
Between channels and ground: 1400 V $\overline{\text{---}}$	
Via BMXFTB20●0 20-way caged, screw clamp or spring-type removable terminal block	
BMXFTW●01S cordsets with one end with color-coded flying leads (3 or 5 m/9.84 or 16.4 ft)	
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BMXAMM0600	
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