

Modicon X80 modules platform

X80 Safety

Safety I/O modules

Applications		16-channel Safety discrete input module	
			
Type		DC	
Voltage		24 V	
Current per channel		3.5 mA	
Range	Voltage	–	
	Current		
Modularity	Number of channels	16	
	Number of groups	2: 0...3 (banks A & B) and 4...7 (banks A & B)	
	Number of channels per common	8	
Acquisition period	Hot-swap RAID HDD and battery backup		–
Resolution		–	
Connection		Via BMXFTB20●0 20-way caged, screw clamp, or spring-type removable terminal block	
Isolated inputs	IEC/EN 61131-2 conformity		Type 3
	Logic		Positive
	Type of input		–
	Sensor compatibility IEC/EN 60947-5-2		2-wire/3-wire
Isolated outputs	Fallback		–
	IEC/EN 61131-2 conformity		–
	Protection		–
	Logic		–
Isolation	Between channels		Non-isolated
	Between channels and bus		1500 Vrms
	Between channels and ground		1500 Vrms
Sensor power supply (ripple included)		19...30 V	
Preactuator power supply (ripple included)		–	
Protection of inputs		Use a fast-blow fuse, max 0.5 A, depending on the module current load	
Output fuse protection		–	
Maximum dissipated power		3.57 W	
Conformal coated		Yes	
Operating temperature		-25...60 °C/-13...140 °F	
References		BMXSDI1602	

8-channel Safety discrete output module	4-channel Safety relay output module	4-channel Safety analog input module
  		
DC	AC/DC relays	Current
24 V	24 V $\overline{\text{---}}$ /24...230 V $\sim$	–
0.5 A	5 A	–
–	–	6
–	–	4...20 mA
8	4 isolated outputs	4 isolated inputs
1		
–		
–	–	5 ms for the 4 inputs
–	–	16 bits (12,500 counts)
Via BMXFTB20●0 20-way caged, screw clamp, or spring-type removable terminal block		
–		
–		
–		Resistive
–		
Configurable fallback setting for each channel	–	
Yes		–
Yes		–
Positive	–	
Non-isolated	3000 Vrms	500 Vrms
1500 Vrms	3000 Vrms	1500 Vrms
1500 Vrms	3000 Vrms	1500 Vrms
–		
19...30 V	10...264 V $\sim$ /10...34 V $\overline{\text{---}}$	–
–		
Use a fast-blow fuse, max 6 A, depending on the module current load	Use a fast-blow fuse, max 6 A, depending on the relay contact current load	–
4.40 W	3.90 W	3.98 W
Yes	Yes	Yes
-25...60 °C/-13...140 °F		
BMXS DO0802	BMXS RA0405	BMXS AI0410



More technical Information on www.se.com



More technical Information on www.se.com