

# Modicon X80 I/O platform

Dedicated parts for harsh environments  
Ruggedized discrete I/O modules



BMXD1160H

References						
Ruggedized discrete input modules						
Type of current	Input voltage	Connection via (1)	IEC/EN 61131-2 conformity	No. of channels (common)	Reference	Weight kg/lb
DC	24 V (positive logic)	Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDDI1602H	0.115/0.254
	24 V (negative logic)	Screw or spring-type 20-way removable terminal block	Non-IEC	16 isolated inputs (1 x 16)	BMXDAI1602H	0.115/0.254
	48 V (positive logic)	Screw or spring-type 20-way removable terminal block	Type 1	16 isolated inputs (1 x 16)	BMXDDI1603H	0.115/0.254
AC	24 V	Screw or spring-type 20-way removable terminal block	Type 1	16 isolated inputs (1 x 16)	BMXDAI1602H	0.115/0.254
	48 V	Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDAI1603H	0.115/0.254
	100...120 V	Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDAI1604H	0.115/0.254



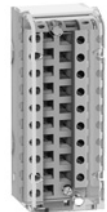
BMXDDO1602H BMXDRA0805H/1605H

Ruggedized discrete output modules						
Type of current	Output voltage	Connection via (1)	IEC/EN 61131-2 conformity	No. of channels (common)	Reference	Weight kg/lb
DC transistor	24 V/0.5 A (positive logic)	Screw or spring-type 20-way removable terminal block	Yes	16 protected outputs (1 x 16)	BMXDDO1602H	0.120/0.265
	24 V/0.5 A (negative logic)	Screw or spring-type 20-way removable terminal block	-	16 protected outputs (1 x 16)	BMXDDO1612H	0.120/0.265
AC triac	100...240	Screw or spring-type 20-way removable terminal block	-	16 outputs (4 x 4)	BMXDAO1605H	0.140/0.309
DC or AC relay	12...24 V DC/2 A	Screw or spring-type 20-way removable terminal block	Yes	8 non-protected outputs (without common)	BMXDRA0805H	0.145/0.320
	24...240 V AC/2 A	Screw or spring-type 20-way removable terminal block	Yes	16 non-protected outputs (2 x 8)	BMXDRA1605H	0.150/0.331



BMXDDM1602H

Ruggedized mixed discrete I/O modules						
Number of I/O	Connection via (1)	No. of input channels (common)	No. of output channels (common)	IEC/EN 61131-2 conformity	Reference	Weight kg/lb
16	Screw or spring-type 20-way removable terminal block	8 (positive logic) (1 x 8)	8, transistor 24 V DC/0.5 A (1 x 8)	Inputs, type 3	BMXDDM16022H	0.115/0.254
			8, 24 V AC or 24...240 V AC relay (1 x 8)	Inputs, type 3	BMXDDM16025H	0.135/0.298



BMXFTB2000

Standard removable connection blocks				
Description	Use	Type	Reference	Weight kg/lb
20-way removable terminal blocks	For module with 20-way removable terminal block	Cage clamp	BMXFTB2000	0.093/0.205
		Screw clamp	BMXFTB2010	0.075/0.165
		Spring-type	BMXFTB2020	0.060/0.132

Standard preformed cordsets for I/O modules with removable terminal block				
Description	Composition	Length	Reference	Weight kg/lb
Preassembled cordsets with one end with flying leads	One 20-way spring-type removable terminal block (BMXFTB2020) One end with color-coded flying leads	3 m/ 9.843 ft	BMXFTW301	0.850/1.874
		5 m/ 16.404 ft	BMXFTW501	1.400/3.086
		10 m/ 32.808 ft	BMXFTW1001	2.780/6.129

(1) By connector, module supplied with cover(s)