

Modicon X80 module platform

Dedicated parts for severe environments

X80 Discrete I/O modules for severe environments

References

X80 Discrete input modules for severe environments

Type of current	Input voltage	Connection via (1)	IEC/EN 61131-2 conformity	No. of channels (common x channels per group)	Reference	Weight kg/lb
⋯	24 V (positive logic)	20-way caged, screw clamp, or spring-type removable terminal block	Type 3	16 inputs (1 x 16)	BMXDDI1602H	0.115/0.254
		One 40-way connector	Type 1	32 inputs (2 x 16)	BMXDDI3202KH	0.110/0.243
		Two 40-way connectors	Non-type	64 inputs (4 x 16)	BMXDDI6402KH	0.145/0.320
	24 V (positive/negative logic)	20-way caged, screw clamp, or spring-type removable terminal block	Non-type	16 inputs (1 x 16)	BMXDAI1602H	0.115/0.254
	12/24 V (positive/negative logic)	40-way caged or spring-type removable terminal block	Type 3	32 inputs (2 x 16)	BMXDDI3232H	0.138/0.30
~	48 V	20-way caged, screw clamp, or spring-type removable terminal block	Type 1	16 inputs (1 x 16)	BMXDDI1603H	0.115/0.254
		40-way caged or spring-type removable terminal block	Type 3	32 inputs (2 x 16)	BMXDDI3203H	0.138/0.304
	24 V	20-way caged, screw clamp, or spring-type removable terminal block	Type 1	16 inputs (1 x 16)	BMXDAI1602H	0.115/0.254
		40-way caged or spring-type removable terminal block	Type 3	16 inputs (1 x 16)	BMXDAI1603H	0.115/0.254
	100...120 V	20-way caged, screw clamp, or spring-type removable terminal block	Type 3	16 inputs (1 x 16)	BMXDAI1604H	0.115/0.254
		40-way caged or spring-type removable terminal block	Type 1	16 isolated inputs	BMXDAI1614H	0.150/0.331
	200...240 V	40-way caged or spring-type removable terminal block	Type 1	16 isolated inputs	BMXDAI1615H	0.156/0.344

X80 Discrete output modules for severe environments

Type of current	Output voltage	Connection via (1)	IEC/EN 61131-2 conformity	No. of channels (common x channels per group)	Reference	Weight kg/lb
⋯ transistor	24 V (positive logic)	20-way caged, screw clamp, or spring-type removable terminal block	Yes	16 outputs (1 x 16)	BMXDDO1602H	0.120/0.265
	24 V (negative logic)	20-way caged, screw clamp, or spring-type removable terminal block	Yes	16 outputs (1 x 16)	BMXDDO1612H	0.120/0.265
	24 V (positive logic)	One 40-way connector	Yes	32 outputs (2 x 16)	BMXDDO3202KC	0.110/0.243
		Two 40-way connectors	Yes	64 outputs (4 x 16)	BMXDDO6402KC	0.150/0.331
~ triac	100...240 V	20-way caged, screw clamp, or spring-type removable terminal block	Yes	16 outputs (4 x 4)	BMXDAO1605H	0.140/0.309
	24...240 V	40-way caged or spring-type removable terminal block	Yes	16 isolated outputs	BMXDAO1615H	0.250/0.551
⋯ / ~ relay	24 V ⋯	20-way caged, screw clamp, or spring-type removable terminal block	Yes	8 normally open isolated relay outputs	BMXDRA0805H	0.145/0.320
	24...240 V ~					
	24...125 V ⋯	20-way caged, screw clamp, or spring-type removable terminal block	Yes	8 normally open isolated relay outputs	BMXDRA0815H	0.210/0.463
	24...240 V ~					
	24 V ⋯	20-way caged, screw clamp, or spring-type removable terminal block	Yes	16 normally open relay outputs (2 x 8)	BMXDRA1605H	0.150/0.331
	24...125 V ⋯	40-way caged or spring-type removable terminal block	Yes	8 normally open and normally closed isolated relay outputs	BMXDRC0805H	0.189/0.417
	24...240 V ~					

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

BMXDDI160...H
BMXDAI08...H

BMXDAI161...H

BMXDDO16...2H
BMXDDO6402KCBMXDAO1605H
BMXDAO1615HBMXDRA...H
BMXDRC0805H