

Modicon X80 I/O platform

Discrete I/O modules

Input modules and output modules



BMXDDI160●●
BMXDAI●●●●



BMXDDI3202K



BMXDDI6402K

References

Discrete input modules (1)

Type of current	Input voltage	Connection via (2)	IEC/EN 61131-2 conformity	No. of channels (common)	Reference	Weight kg/lb	
⎓	24 V (positive logic)	Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDDI1602	0.115/0.254	
		One 40-way connector	Type 3	32 isolated inputs (2 x 16)	BMXDDI3202K	0.110/0.243	
		Two 40-way connectors	Non-IEC	64 isolated inputs (4 x 16)	BMXDDI6402K	0.145/0.320	
⎓	24 V (negative logic)	Screw or spring-type 20-way removable terminal block	Non-IEC	16 isolated inputs (1 x 16)	BMXDAI1602	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)	BMXDDI1603	0.115/0.254
			125 V (positive logic)	Screw or spring-type 20-way removable terminal block	Type 1	16 isolated inputs (1 x 16)	BMXDDI1604T
~	24 V	Screw or spring-type 20-way removable terminal block	Type 1	16 isolated inputs (1 x 16)	BMXDAI1602	0.115/0.254	
		Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDAI1603	0.115/0.254	
	100...120 V	Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDAI1604	0.115/0.254	
		Screw or spring-type 20-way removable terminal block	Type 2	8 isolated inputs (1 x 8)	BMXDAI0805	0.152/0.335	
	100...120 V	Screw or spring-type 20-way removable terminal block	Type 3	8 isolated inputs (8 x 1)	BMXDAI0814	0.115/0.254	



BMXDDO16●2



BMXDRA0805/1605



BMXDDO3202K



BMXDDO6402K

Discrete output modules (1)

Type of current	Output voltage	Connection via (2)	IEC/EN 61131-2 conformity	No. of channels (common)	Reference	Weight kg/lb
⎓ transistor	24 V/0.5 A (positive logic)	20-way removable terminal block, screw or spring-type	Yes	16 protected outputs (1 x 16)	BMXDDO1602	0.120/0.265
		20-way removable terminal block, screw or spring-type	–	16 protected outputs (1 x 16)	BMXDDO1612	0.120/0.265
	24 V/0.1 A (positive logic)	One 40-way connector	Yes	32 protected outputs (2 x 16)	BMXDDO3202K	0.110/0.243
Two 40-way connectors		Yes	64 protected outputs (4 x 16)	BMXDDO6402K	0.150/0.331	
~ triac	100...240 V	20-way removable terminal block, screw or spring-type	–	16 outputs (4 x 4)	BMXDAO1605	0.140/0.309
⎓ relay	100...150 V ⎓/0.3 A	20-way removable terminal block, screw or spring-type	Yes	8 non-protected outputs	BMXDRA0804T	0.178/0.392
⎓ or ~ relay	24 V ⎓/2 A 24...240 V ~/ 2 A	20-way removable terminal block, screw or spring-type	Yes	8 non-protected outputs (without common)	BMXDRA0805	0.145/0.320
		20-way removable terminal block, screw or spring-type	Yes	16 non-protected outputs (2 x 8)	BMXDRA1605	0.150/0.331

(1) Typical consumption: See the power consumption table available on our website www.schneider-electric.com.
 (2) 64-channel modules have 2 connectors and therefore require 2 connection cables.