

Modicon™ M340™ automation platform

Discrete I/O modules

Input modules and output modules

2



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
⎓	24 V (positive logic)	Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDDI1602	0.115
		One 40-way connector	Type 3	32 isolated inputs (2 x 16)	BMXDDI3202K	0.110
		Two 40-way connectors	Non-IEC	64 isolated inputs (4 x 16)	BMXDDI6402K	0.145
⎓	24 V (negative logic)	Screw or spring-type 20-way removable terminal block	Non-IEC	16 isolated inputs (1 x 16)	BMXDAI1602	0.115
		Screw or spring-type 20-way removable terminal block	Type 1	16 isolated inputs (1 x 16)	BMXDDI1603	0.115
		Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDDI1604T	0.144
~	24 V	Screw or spring-type 20-way removable terminal block	Type 1	16 isolated inputs (1 x 16)	BMXDAI1602	0.115
		Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDAI1603	0.115
		Screw or spring-type 20-way removable terminal block	Type 3	16 isolated inputs (1 x 16)	BMXDAI1604	0.115
		Screw or spring-type 20-way removable terminal block	Type 2	8 isolated inputs (1 x 8)	BMXDAI0805	0.152



BMXDDO16●2



BMXDRA 0805/1605



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
⎓ transistor	24 V/0.5 A (positive logic)	20-way removable terminal block, screw or spring-type	Yes	16 protected (3) outputs (1 x 16)	BMXDDO1602	0.120
		20-way removable terminal block, screw or spring-type	–	16 protected (3) outputs (1 x 16)	BMXDDO1612	0.120
	24 V/0.1 A (positive logic)	One 40-way connector	Yes	32 protected (3) outputs (2 x 16)	BMXDDO3202K	0.110
		Two 40-way connectors	Yes	64 protected (3) outputs (4 x 16)	BMXDDO6402K	0.150
~ triac	100 to 240	20-way removable terminal block, screw or spring-type	–	16 outputs (4 x 4)	BMXDAO1605	0.140
⎓ relay	100 to 150 V ⎓/0.3 A	20-way removable terminal block, screw or spring-type	Yes	8 outputs	BMXDRA0804T	0.178
⎓ or ~ relay	24 V ⎓/2 A 24 to 240 V ~/ 2 A	20-way removable terminal block, screw or spring-type	Yes	8 outputs (without common)	BMXDRA0805	0.145
		20-way removable terminal block, screw or spring-type	Yes	16 outputs (2 x 8)	BMXDRA1605	0.150

(1) Typical consumption: See the power consumption table on page 7/16.
 (2) 64-channel modules have 2 connectors and therefore require 2 connection cables.
 (3) Includes overvoltage, short-circuit and overload protection.