Modicon Quantum automation platform

Discrete I/O

V.d.c input modules

Type	⎓		
Input Voltage	5 V/TTL	24 V	
Number of Points	32		
Number of Groups	4		
Points/Common	8		
Isolation	By group		
Addressing requirements	2 input words		
Bus Power Required	170 mA	330 mA	
Logic	Source	Sink	Source
Model	**140 DDI 153 10**	**140 DDI 353 00**	**140 DDI 353 10**
Page	Consult our catalogue “Quantum automation platform” April 2003, page 2/26		

---				--- Supervised input
24 V	125 V	10…60 V		20…30 V
96	24	16	32	
6	3	8	4	4
16	8	2	8	8
6 input words	2 input words	1 input word	2 input words	4 input words
270 mA	200 mA		300 mA	250 mA
Sink				
140 DDI 364 00 *(1)*	**140 DDI 673 00**	**140 DDI 841 00**	**140 DDI 853 00**	**140 DSI 353 00**

(1) Requires Telefast 2 connector.

Modicon Quantum automation platform

Discrete I/O

V.a.c input modules

2

Type	~			
Input Voltage	24 V		48 V	
Number of Points	16	32	16	32
Number of Groups	16	4	16	4
Points/Common	1	8	1	8
Isolation	Individual points	By group	Individual points	By group
Addressing requirements	1 input word	2 input words	1 input word	2 input words
Bus Power Required	180 mA	250 mA	180 mA	250 mA
Model	140 DAI 340 00	140 DAI 353 00	140 DAI 440 00	140 DAI 453 00
Page	Consult our catalogue “Quantum automation platform” April 2003, page 2/26			

~				
115 V			230 V	
16		32	16	32
16	2	4	16	4
1	8		1	8
Individual points	By group		Individual points	By group
1 input word		2 input words	1 input word	2 input words
180 mA		250 mA	180 mA	250 mA
140 DAI 540 00	**140 DAI 543 00**	**140 DAI 553 00**	**140 DAI 740 00**	**140 DAI 753 00**

Modicon Quantum automation platform

Discrete I/O

Direct current and relay output modules

Type		⎓			
Output voltage/Relay type		5 V/TTL	24 V		19.2…30 V
Number of points		32			96
Number of groups		4			6
Points/common		8			16
Maximum load	Current/point	75 mA	0.5 A		0.5 A
	Current/group	600 mA	4 A		3.2 A
	Current/module	2.4 A	16 A		19.2 A
Addressing requirement		2 output words			6 output words
Bus power required		350 mA	330 mA		250 mA
Logic		Sink	Source	Sink	Source
Model		**140 DDO 153 10**	**140 DDO 353 0p**	**140 DDO 353 10**	**140 DDO 364 00 *(1)***
Page		Consult our catalogue “Quantum automation platform” April 2003, page 2/26			

(1) Requires Telefast 2 connector.

---		--- Verified Output	Relay	
10…60 V source	24…125 V source	10…30 V	Normally open	Normally open/Normally closed
16	12	32	16	8
2	2	4	16	8
8	6	8	1	
2 A	0.75 A	0.5 A	2 A	5 A
6 A	3 A	4 A	N/A	N/A
12 A	6 A	16 A	N/A	N/A
1 output word	1 input word 1 output word	2 input words 2 output words	1 output word	0.5 output word
160 mA	375 mA @ 6 points 650 mA @ 12 points	500 mA	1100 mA	560 mA
Source				
140 DDO 843 00	**140 DDO 885 00**	**140 DVO 853 00**	**140 DRA 840 00**	**140 DRC 830 00**

2

Modicon Quantum automation platform

Discrete I/O

Alternative current output modules

Type		~	
Output voltage		24 ... 230 V	24 V ... 115 V
Number of points		16	
Number of groups		16	
Points/common		1	
Maximum load	Current/point	4 A @ 20-132 VAC, 3 A @ 170-253 VAC	4 A @ 20-132 VAC
	Current/group	N/A	N/A
	Current/module	16 A	16 A
Addressing requirement		1 output word	
Bus power required		350 mA	
Model		**140 DAO 840 00**	**140 DAO 840 10**
Page		Consult our catalogue “Quantum automation platform” April 2003, page 2/26	

~		
100…230 V	24…48 V	24…230 V
		32
4		
4		8
4 A @ 85-132 VAC, 3 A @ 170-253 VAC	4 A @ 20-56 VAC	1 A
4 A	4 A	4 A
16 A	16 A	16 A
		2 output words
		320 mA
140 DAO 842 10	**140 DAO 842 20**	**140 DAO 853 00**

Modicon Quantum automation platform

Discrete I/O

Alternative/direct current input/output modules

Output voltage		∼ 85...132 V	⎓ 19.2...30 V
Input voltage		∼ 115 V	⎓ 24 V

Number of points		16 input / 8 output	
Number of groups		Two 8-point inputs Two 4-point outputs	
Maximum load	Current/point	4 A	0.5 A
	Current/group	4 A	2 A
	Current/module	8 A	4 A
Addressing requirement		1 input word 0.5 output word	
Bus power required		250 mA	330 mA
Model		**140 DAM 590 00**	**140 DDM 390 00**
Page		Consult our catalogue “Quantum automation platform” April 2003, page 2/27	

⎓ 19.2...156.2 V

⎓ 156.2 V

4 input, 4 isolated output

One 4 point inputs
Four output points

4 A

N/A

16 A

1 input word
1 output word

350 mA

140 DDM 690 00