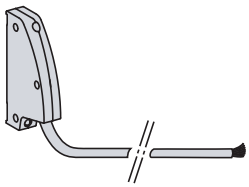
Modicon M340 automation platform

Discrete I/O modules

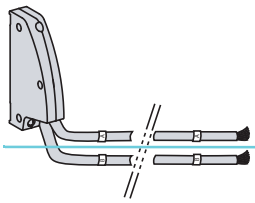
Cordset color codes in accordance with DIN 47100

Connection cables with 40-way connector and end(s) with flying leads BMX FCW ●01/●03

Correspondence of connector pins with the wire colors at the sheath end



Cordset with one sheathed end with flying leads
BMX FCW ●01



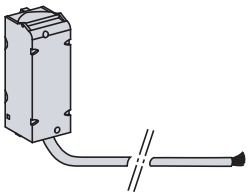
Cordset with two sheathed ends with flying leads
BMX FCW ●03

Connector pin no.	Color at sheath end	32/64-channel inputs	32/64-channel outputs	32-channel I/O
B20	White	Input 0/32	Output 0/32	Input 0
A20	Brown	Input 1/33	Output 1/33	Input 1
B19	Green	Input 2/34	Output 2/34	Input 2
A19	Yellow	Input 3/35	Output 3/35	Input 3
B18	Gray	Input 4/36	Output 4/36	Input 4
A18	Pink	Input 5/37	Output 5/37	Input 5
B17	Blue	Input 6/38	Output 6/38	Input 6
A17	Red	Input 7/39	Output 7/39	Input 7
B16	Black	Input 8/40	Output 8/40	Input 8
A16	Purple	Input 9/41	Output 9/41	Input 9
B15	Gray/pink	Input 10/42	Output 10/42	Input 10
A15	Red/blue	Input 11/43	Output 11/43	Input 11
B14	White/green	Input 12/44	Output 12/44	Input 12
A14	Brown/green	Input 13/45	Output 13/45	Input 13
B13	White/yellow	Input 14/46	Output 14/46	Input 14
A13	Yellow/brown	Input 15/47	Output 15/47	Input 15
B12	White/gray	+ 24 V	+ 24 V	+ 24 V
A12	Gray/brown	- 24 V	- 24 V	- 24 V
B11	White/pink	+ 24 V	+ 24 V	+ 24 V
A11	Pink/brown	- 24 V	- 24 V	- 24 V
B10	White	Input 16/48	Output 16/48	Output 0
A10	Brown	Input 17/49	Output 17/49	Output 1
B9	Green	Input 18/50	Output 18/50	Output 2
A9	Yellow	Input 19/51	Output 19/51	Output 3
B8	Gray	Input 20/52	Output 20/52	Output 4
A8	Pink	Input 21/53	Output 21/53	Output 5
B7	Blue	Input 22/54	Output 22/54	Output 6
A7	Red	Input 23/55	Output 23/55	Output 7
B6	Black	Input 24/56	Output 24/56	Output 8
A6	Purple	Input 25/57	Output 25/57	Output 9
B5	Gray/pink	Input 26/58	Output 26/58	Output 10
A5	Red/blue	Input 27/59	Output 27/59	Output 11
B4	White/green	Input 28/60	Output 28/60	Output 12
A4	Brown/green	Input 29/61	Output 29/61	Output 13
B3	White/yellow	Input 30/62	Output 30/62	Output 14
A3	Yellow/brown	Input 31/63	Output 31/63	Output 15
B2	White/gray	+ 24 V	+ 24 V	+ 24 V
A2	Gray/brown	- 24 V	- 24 V	- 24 V
B1	White/pink	+ 24 V	+ 24 V	+ 24 V
A1	Pink/brown	- 24 V	- 24 V	- 24 V

Connection cables with 20-way terminal block at one end and flying leads at the other BMX FTW ●01

Correspondence of 20-way removable terminal block pins with the wire colors (at sheath end)

Correspondence of terminal block pins with the wire colors at the sheath end



Cordset with 1 sheathed end with flying leads
BMX FTW ●01

Terminal block pin no.	Color at sheath end	16-channel inputs	8- or 16-channel outputs	16-channel I/O
1	White	Input 0	See page 2/20	Input 0
2	Brown	Input 1	See page 2/20	Input 1
3	Green	Input 2	See page 2/20	Input 2
4	Yellow	Input 3	See page 2/20	Input 3
5	Gray	Input 4	See page 2/20	Input 4
6	Pink	Input 5	See page 2/20	Input 5
7	Blue	Input 6	See page 2/20	Input 6
8	Red	Input 7/	See page 2/20	Input 7
9	Black	Input 8	See page 2/20	Sensor + common power supply
10	Purple	Input 9	See page 2/20	Sensor pwr supply
11	Gray/pink	Input 10	See page 2/20	Output 0
12	Red/blue	Input 11	See page 2/20	Output 1
13	White/green	Input 12	See page 2/20	Output 2
14	Brown/green	Input 13	See page 2/20	Output 3
15	White/yellow	Input 14	See page 2/20	Output 4
16	Yellow/brown	Input 15	See page 2/20	Output 5
17	White/gray	Power supply	See page 2/20	Output 6
18	Gray/brown	+ common pwr sup.	See page 2/20	Output 7
19	White/pink	Power supply	See page 2/20	Preactuator pwr sup.
20	Pink/brown	Power supply	See page 2/20	Preactuator pwr sup.