

FEATURES

- *Interposing barriers between terminals yield higher electrical ratings and provide additional protection against frayed wire shorting.*
- *A wide variety of barrier blocks makes it possible to select the combination of mechanical and electrical characteristics that best meet the exact requirements of your application.*
- *A wide selection of optional terminals and fanning strips permits the equipment designer to choose the method of termination most suitable for his environmental specifications and manufacturing requirements.*

MATERIALS

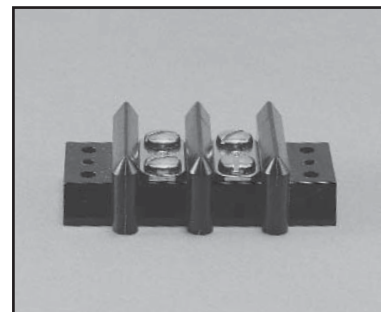
Insulation Material: Molded monoblock, general purpose phenolic, black, UL Rated 94V-1

Eyelets: Material - Brass
Plating - Nickel

Screws: Material - Steel
Plating - Nickel over copper flash

Solder Terminals: Material - Brass
Plating - Electro-Tin

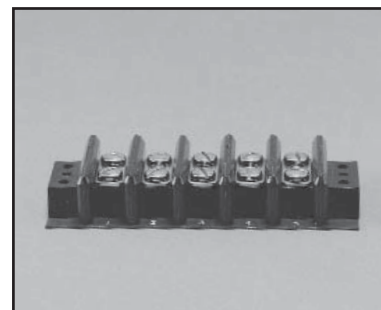
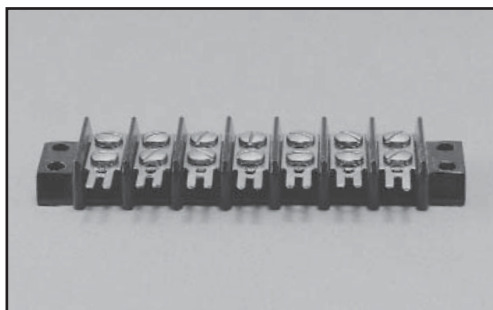
Marker Strip Material: Nema Grade XPC, UL Rated 94V-O



ENVIRONMENTAL

Operating Temperature: -55° to +300°F

Certifications: UL Recognized - File E61245
CSA - LR 31996



Marketed exclusively through distribution.

TERMINAL BLOCK QUICK REFERENCE

Series	Center-to-Center Spacing	Number of Terminals	Single or Double Row	Screw Size	Operating Voltage	Current Rating	Max. Wire Size	Max. Watts/Terminal	Voltage Rating w/Marker	Voltage Rating w/o Marker	Marker Strip Mounting
140	.375	1-25	Double	5-40	250 Volts	15 Amps	#16	3750	2000	1100	Bottom
141	.438	1-20	Double	6-32	250 Volts	20 Amps	#14	5000	2400	1100	Bottom
142	.563	1-17	Double	8-32	250 Volts	30 Amps	#10	7500	2600	1600	Bottom
150	.688	1-10	Double	10-32	250 Volts	40 Amps	#10	10,000	2400	1500	Bottom
151	.875	1-8	Double	12-32	250 Volts	50 Amps	#8	12,500	3400	1800	Bottom
152	1.125	1-6	Double	1/4-28	250 Volts	70 Amps	#6	54,000	3800	2100	Bottom
164	.375	1-21	Double	6-32	250 Volts	15 Amps	#14	3750	2000	1100	Bottom
540	.375	2-31	Double	5-40	600 Volts	15 Amps	#16	3750	2300	2300	Top
541	.438	2-30	Double	6-32	600 Volts	20 Amps	#14	5000	2800	2800	Top
542	.563	2-26	Double	8-32	600 Volts	30 Amps	#10	7500	4000	4000	Top
176	.375	2-10	Single	5-40	250 Volts	15 Amps	#16	3750	N/A	1100	N/A

Marketed exclusively through distribution.

Barrier Blocks Series 140

.375 Density, 5-40 x 3/16"
BH Screw, Open Bottom,
Double Row

Cinch

Electrical Characteristics

Voltage Rating: 250 VAC RMS maximum

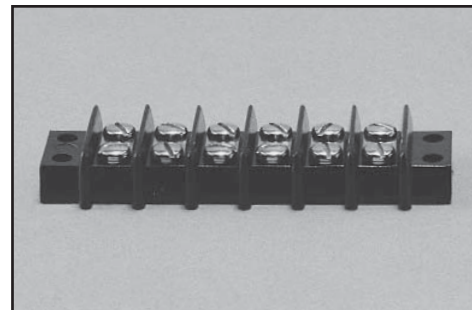
Current Rating: 15 Amps maximum

Maximum Watts Per Terminal: 3750

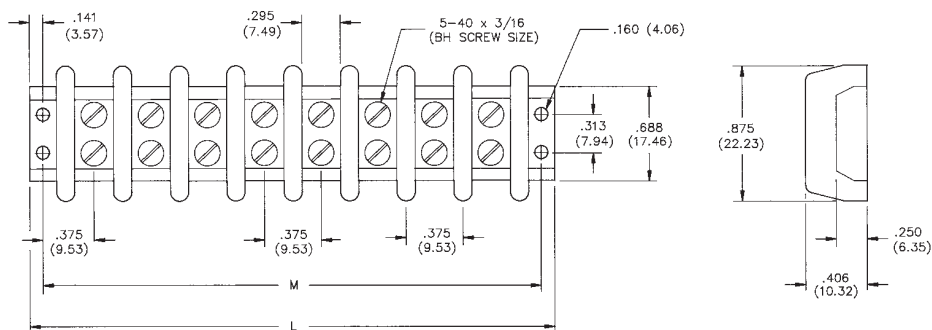
Mechanical Characteristics

Maximum Wire Size: #16 AWG

Recommended Tightening Torque: 9 lb.-in.



Dimensions



Ordering Information

No. of Terminals	Standard Screw Catalog No.	"M" Dim.	"L" Dim.
1	1-140	.750	1.032
2	2-140	1.125	1.407
3	3-140	1.500	1.782
4	4-140	1.875	2.157
5	5-140	2.250	2.532
6	6-140	2.625	2.907
7	7-140	3.000	3.282
8	8-140	3.375	3.657
9	9-140	3.750	4.032
10	10-140	4.125	4.407
11	11-140	4.500	4.782
12	12-140	4.875	5.157
13	13-140	5.250	5.532
14	14-140	5.625	5.907
15	15-140	6.000	6.282
16	16-140	6.375	6.657
17	17-140	6.750	7.032
18	18-140	7.125	7.407
19	19-140	7.500	7.782
20	20-140	7.875	8.157
21	21-140	8.250	8.532
22	22-140	8.625	8.907
23	23-140	9.000	9.282
24	24-140	9.375	9.657
25	25-140	9.750	10.032

Barrier Blocks
Series 140

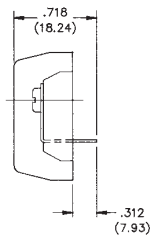
.375 Density, 5-40 x 3/16"
BH Screw, Open Bottom,
Double Row



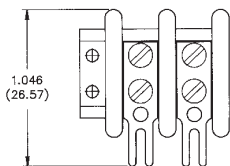
Solder Terminal Options

Dimensions

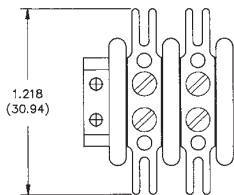
"Y" Terminals



"3/4W" Terminals



"W" Terminals



Ordering Information

No. of Terminals	Catalog No.	Catalog No.	Catalog No.
1	1-140-Y	1-140-3/4W	1-140-W
2	2-140-Y	2-140-3/4W	2-140-W
3	3-140-Y	3-140-3/4W	3-140-W
4	4-140-Y	4-140-3/4W	4-140-W
5	5-140-Y	5-140-3/4W	5-140-W
6	6-140-Y	6-140-3/4W	6-140-W
7	7-140-Y	7-140-3/4W	7-140-W
8	8-140-Y	8-140-3/4W	8-140-W
9	9-140-Y	9-140-3/4W	9-140-W
10	10-140-Y	10-140-3/4W	10-140-W
11	11-140-Y	11-140-3/4W	11-140-W
12	12-140-Y	12-140-3/4W	12-140-W
13	13-140-Y	13-140-3/4W	13-140-W
14	14-140-Y	14-140-3/4W	14-140-W
15	15-140-Y	15-140-3/4W	15-140-W
16	16-140-Y	16-140-3/4W	16-140-W
17	17-140-Y	17-140-3/4W	17-140-W
18	18-140-Y	18-140-3/4W	18-140-W
19	19-140-Y	19-140-3/4W	19-140-W
20	20-140-Y	20-140-3/4W	20-140-W
21	21-140-Y	21-140-3/4W	21-140-W
22	22-140-Y	22-140-3/4W	22-140-W
23	23-140-Y	23-140-3/4W	23-140-W
24	24-140-Y	24-140-3/4W	24-140-W
25	25-140-Y	25-140-3/4W	25-140-W

Solder Terminals can be ordered separately.

Terminal Type	Catalog No.
"Y"	Y-140
"3/4W"	3/4W-140
"W"	W-140

Marketed exclusively through distribution.

Barrier Blocks
Series 140

.375 Density, 5-40 x 3/16"
BH Screw, Open Bottom,
Double Row

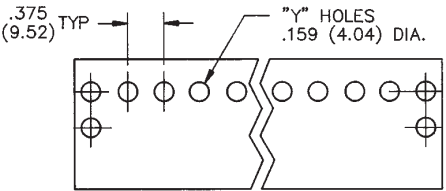
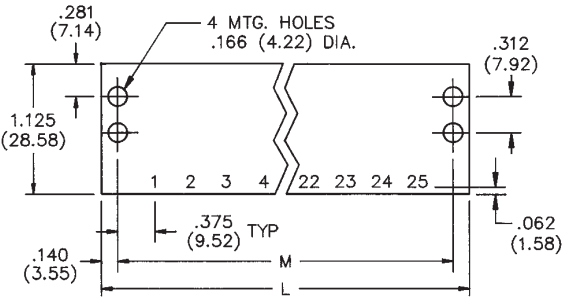


Marker Strips

Dimensions

Standard

"Y" Terminal



Ordering Information

No. of Terminals	Catalog No.	Catalog No.
1	MS-1-140	MS-1-140-Y
2	MS-2-140	MS-2-140-Y
3	MS-3-140	MS-3-140-Y
4	MS-4-140	MS-4-140-Y
5	MS-5-140	MS-5-140-Y
6	MS-6-140	MS-6-140-Y
7	MS-7-140	MS-7-140-Y
8	MS-8-140	MS-8-140-Y
9	MS-9-140	MS-9-140-Y
10	MS-10-140	MS-10-140-Y
11	MS-11-140	MS-11-140-Y
12	MS-12-140	MS-12-140-Y
13	MS-13-140	MS-13-140-Y
14	MS-14-140	MS-14-140-Y
15	MS-15-140	MS-15-140-Y
16	MS-16-140	MS-16-140-Y
17	MS-17-140	MS-17-140-Y
18	MS-18-140	MS-18-140-Y
19	MS-19-140	MS-19-140-Y
20	MS-20-140	MS-20-140-Y
21	MS-21-140	MS-21-140-Y
22	MS-22-140	MS-22-140-Y
23	MS-23-140	MS-23-140-Y
24	MS-24-140	MS-24-140-Y
25	MS-25-140	MS-25-140-Y

Use Standard Marker Strips for "3/4W" and "W" Solder Terminals.

Accessories

- Jumpers
- Fanning Strips

Marketed exclusively through distribution.

Barrier Blocks Series 141

.438 Density, 6-32 x 1/4"
BH Screw, Open Bottom,
Double Row

Cinch

Electrical Characteristics

Voltage Rating: 250 VAC RMS maximum

Current Rating: 20 Amps maximum

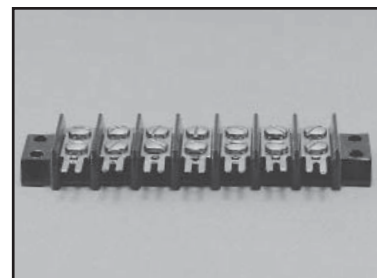
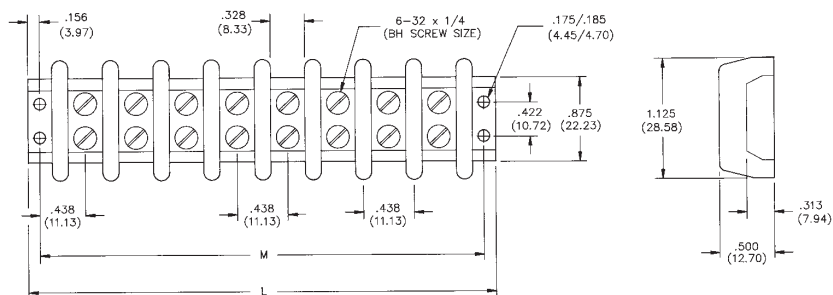
Maximum Watts Per Terminal: 5000

Mechanical Characteristics

Maximum Wire Size: #14 AWG

Recommended Tightening Torque: 12 lb.-in.

Dimensions



Ordering Information

No. of Terminals	Standard Screw Catalog No.	"M" Dim.	"L" Dim.
1	1-141	.875	1.187
2	2-141	1.312	1.625
3	3-141	1.750	2.062
4	4-141	2.187	2.500
5	5-141	2.625	2.938
6	6-141	3.062	3.375
7	7-141	3.500	3.812
8	8-141	3.938	4.250
9	9-141	4.375	4.687
10	10-141	4.813	5.125
11	11-141	5.250	5.562
12	12-141	5.687	6.000
13	13-141	6.125	6.437
14	14-141	6.562	6.875
15	15-141	7.000	7.312
16	16-141	7.437	7.750
17	17-141	7.875	8.187
18	18-141	8.312	8.625
19	19-141	8.750	9.062
20	20-141	9.187	9.500

Marketed exclusively through distribution.

Barrier Blocks Series 141

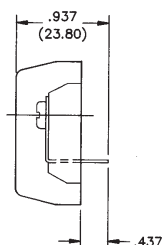
.438 Density, 6-32 x 1/4"
BH Screw, Open Bottom,
Double Row

Cinch

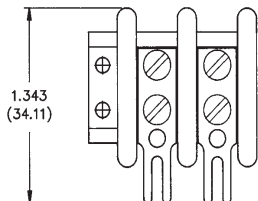
Solder Terminal Options

Dimensions

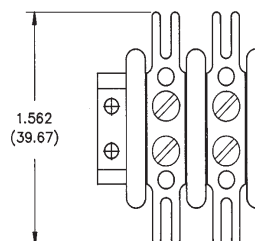
"Y" Terminals



"3/4W" Terminals



"W" Terminals



Ordering Information

No. of Terminals	Catalog No.	Catalog No.	Catalog No.
1	1-141-Y	1-141-3/4W	1-141-W
2	2-141-Y	2-141-3/4W	2-141-W
3	3-141-Y	3-141-3/4W	3-141-W
4	4-141-Y	4-141-3/4W	4-141-W
5	5-141-Y	5-141-3/4W	5-141-W
6	6-141-Y	6-141-3/4W	6-141-W
7	7-141-Y	7-141-3/4W	7-141-W
8	8-141-Y	8-141-3/4W	8-141-W
9	9-141-Y	9-141-3/4W	9-141-W
10	10-141-Y	10-141-3/4W	10-141-W
11	11-141-Y	11-141-3/4W	11-141-W
12	12-141-Y	12-141-3/4W	12-141-W
13	13-141-Y	13-141-3/4W	13-141-W
14	14-141-Y	14-141-3/4W	14-141-W
15	15-141-Y	15-141-3/4W	15-141-W
16	16-141-Y	16-141-3/4W	16-141-W
17	17-141-Y	17-141-3/4W	17-141-W
18	18-141-Y	18-141-3/4W	18-141-W
19	19-141-Y	19-141-3/4W	19-141-W
20	20-141-Y	20-141-3/4W	20-141-W

Solder Terminals can be ordered separately.

Terminal Type

"Y"
"3/4W"
"W"

Catalog No.

Y-141
3/4W-141
W-141

Marketed exclusively through distribution.

Barrier Blocks
Series 141

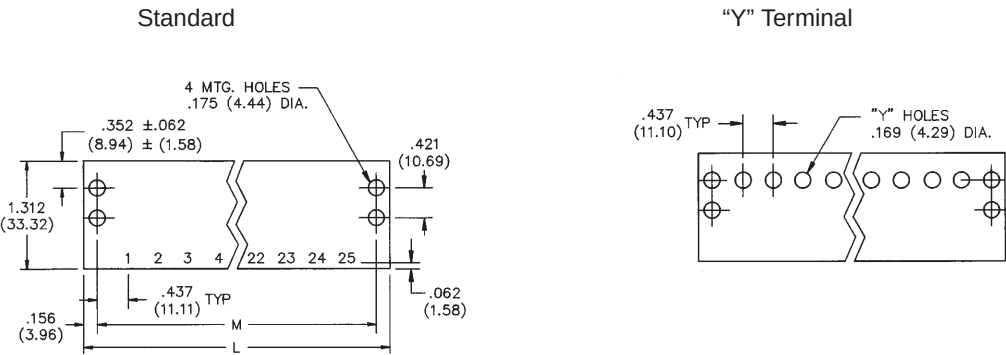
.438 Density, 6-32 x 1/4"
BH Screw, Open Bottom,
Double Row



2

Marker Strips

Dimensions



Ordering Information

No. of Terminals	Catalog No.	Catalog No.
1	MS-1-141	MS-1-141-Y
2	MS-2-141	MS-2-141-Y
3	MS-3-141	MS-3-141-Y
4	MS-4-141	MS-4-141-Y
5	MS-5-141	MS-5-141-Y
6	MS-6-141	MS-6-141-Y
7	MS-7-141	MS-7-141-Y
8	MS-8-141	MS-8-141-Y
9	MS-9-141	MS-9-141-Y
10	MS-10-141	MS-10-141-Y
11	MS-11-141	MS-11-141-Y
12	MS-12-141	MS-12-141-Y
13	MS-13-141	MS-13-141-Y
14	MS-14-141	MS-14-141-Y
15	MS-15-141	MS-15-141-Y
16	MS-16-141	MS-16-141-Y
17	MS-17-141	MS-17-141-Y
18	MS-18-141	MS-18-141-Y
19	MS-19-141	MS-19-141-Y
20	MS-20-141	MS-20-141-Y

Use Standard Marker Strip for "3/4W" and "W" Solder Terminals.

Accessories

- Jumpers
- Fanning Strips

Marketed exclusively through distribution.

Barrier Blocks Series 142

.563 Density, 8-32 x 5/16"
BH Screw, Open Bottom,
Double Row

Cinch

Electrical Characteristics

Voltage Rating: 250 VAC RMS maximum

Current Rating: 30 Amps maximum

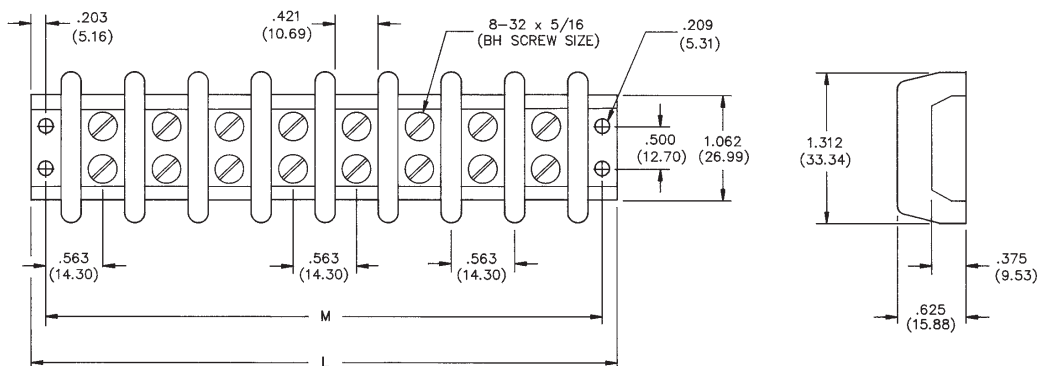
Maximum Watts Per Terminal: 7500

Mechanical Characteristics

Maximum Wire Size: #10 AWG

Recommended Tightening Torque: 16 lb.-in.

Dimensions



Ordering Information

No. of Terminals	Standard Screw Catalog No.	"M" Dim.	"L" Dim.
1	1-142	1.125	1.531
2	2-142	1.687	2.094
3	3-142	2.250	2.656
4	4-142	2.812	3.219
5	5-142	3.375	3.781
6	6-142	3.937	4.344
7	7-142	4.500	4.906
8	8-142	5.062	5.468
9	9-142	5.625	6.031
10	10-142	6.187	6.594
11	11-142	6.750	7.156
12	12-142	7.312	7.719
13	13-142	7.875	8.281
14	14-142	8.437	8.844
15	15-142	9.000	9.406
16	16-142	9.562	9.969
17	17-142	10.125	10.531

Marketed exclusively through distribution.

Barrier Blocks
Series 142

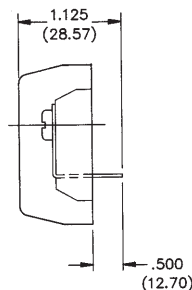
.563 Density, 8-32 x 5/16"
BH Screw, Open Bottom,
Double Row



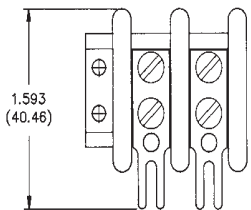
Solder Terminal Options

Dimensions

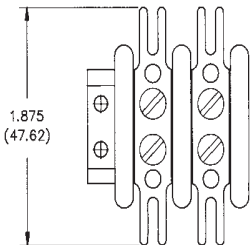
“Y” Terminals



“3/4W” Terminals



“W” Terminals



Ordering Information

No. of Terminals	Catalog No.	Catalog No.	Catalog No.
1	1-142-Y	1-142-3/4W	1-142-W
2	2-142-Y	2-142-3/4W	2-142-W
3	3-142-Y	3-142-3/4W	3-142-W
4	4-142-Y	4-142-3/4W	4-142-W
5	5-142-Y	5-142-3/4W	5-142-W
6	6-142-Y	6-142-3/4W	6-142-W
7	7-142-Y	7-142-3/4W	7-142-W
8	8-142-Y	8-142-3/4W	8-142-W
9	9-142-Y	9-142-3/4W	9-142-W
10	10-142-Y	10-142-3/4W	10-142-W
11	11-142-Y	11-142-3/4W	11-142-W
12	12-142-Y	12-142-3/4W	12-142-W
13	13-142-Y	13-142-3/4W	13-142-W
14	14-142-Y	14-142-3/4W	14-142-W
15	15-142-Y	15-142-3/4W	15-142-W
16	16-142-Y	16-142-3/4W	16-142-W
17	17-142-Y	17-142-3/4W	17-142-W

Solder Terminals can be ordered separately.

Terminal Type

“Y”
“3/4W”
“W”

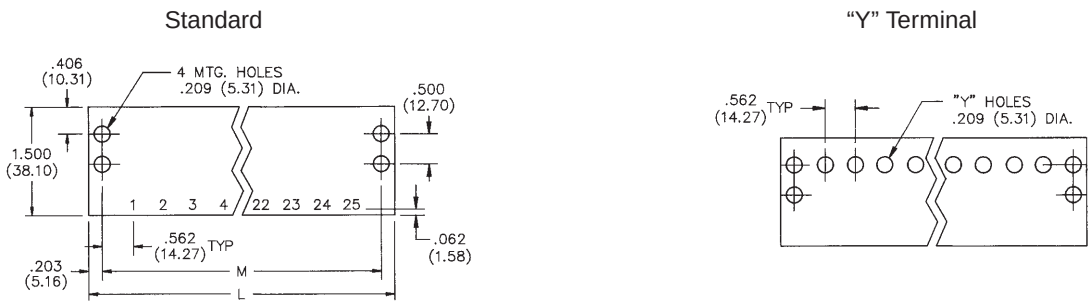
Catalog No.

Y-142
3/4W-142
W-142

Marketed exclusively through distribution.

Marker Strips

Dimensions



Ordering Information

No. of Terminals	Catalog No.	Catalog No.
1	MS-1-142	MS-1-142-Y
2	MS-2-142	MS-2-142-Y
3	MS-3-142	MS-3-142-Y
4	MS-4-142	MS-4-142-Y
5	MS-5-142	MS-5-142-Y
6	MS-6-142	MS-6-142-Y
7	MS-7-142	MS-7-142-Y
8	MS-8-142	MS-8-142-Y
9	MS-9-142	MS-9-142-Y
10	MS-10-142	MS-10-142-Y
11	MS-11-142	MS-11-142-Y
12	MS-12-142	MS-12-142-Y
13	MS-13-142	MS-13-142-Y
14	MS-14-142	MS-14-142-Y
15	MS-15-142	MS-15-142-Y
16	MS-16-142	MS-16-142-Y
17	MS-17-142	MS-17-142-Y

Use Standard Marker Strips for "3/4W" and "W" Solder Terminals.

Accessories

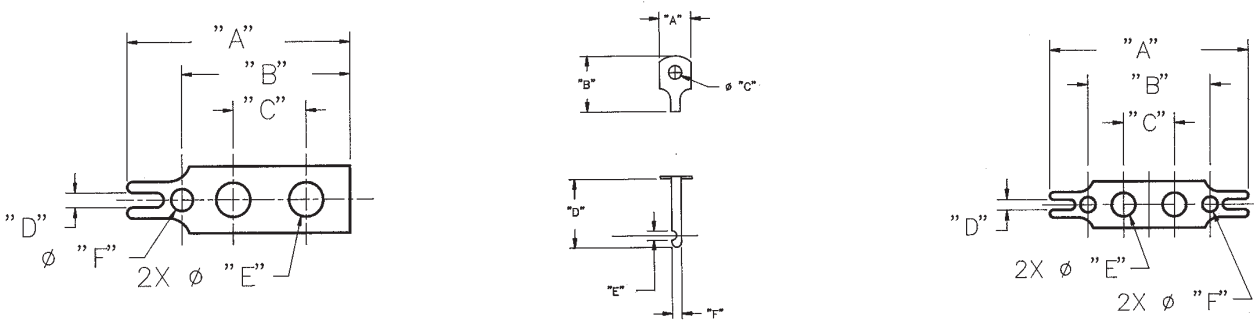
- Jumpers
- Fanning Strips

Marketed exclusively through distribution.

Solder Terminals

3/4W, Y, and W

Optional Terminals for use with Cinch terminal blocks.
See chart for type and dimensions. (Below)



Ordering Information

"3/4 W" Terminals - Dimensions

Catalog Number	A		B		C		D		E		F	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
3/4W-140	.953	24.21	.719	18.20	.312	7.92	.062	1.57	.146	3.71	.094	2.39
3/4W-141	1.156	29.36	.680	17.27	.422	10.72	.078	1.98	.152	3.86	.125	3.18
3/4W-142	1.422	36.11	.797	20.24	.500	12.70	.094	2.39	.177	4.50	.125	3.18

"Y" Terminals - Dimensions

Catalog Number	A		B		C		D		E		F	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
Y-140	.281	7.14	.500	12.70	.136	3.45	.593	15.06	.093	2.36	.091	2.31
Y-141	.312	7.92	.625	15.88	.152	3.86	.781	19.83	.125	3.18	.103	2.62
Y-142	.421	10.69	.734	18.64	.177	4.50	.906	23.01	.125	3.18	.126	3.20

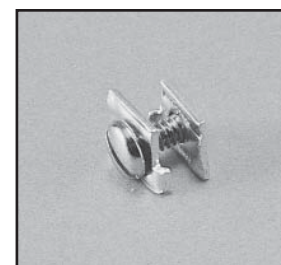
"W" Terminals - Dimensions

Catalog Number	A		B		C		D		E		F	
	in	mm	in	mm	in	mm	in	mm	in	mm	in	mm
W-140	1.219	30.96	.750	19.05	.312	7.92	.063	1.60	.146	3.71	.094	2.39
W-141	1.563	39.70	.938	23.83	.422	10.72	.078	1.98	.152	3.86	.125	3.18
W-142	1.875	47.63	1.094	27.79	.500	12.70	.094	2.39	.177	4.50	.125	3.18

Marketed exclusively through distribution.

Quick Clamp Terminals

Simplifies engaging of wires to barrier blocks. Wire is inserted into flared opening and screw is tightened. Screws are brass binder head type with nickel plating. Terminals are brass with tin plating. Includes two mating clamps and one screw.



QC-1
Shown

Ordering Information

Barrier Block Series	Catalog No.	Screw Size	Wire Gauge Range AWG
141, 541	QC-1	6-32x5/16"	12 thru 22
142, 542	QC-2	8-32x3/8"	10 thru 16

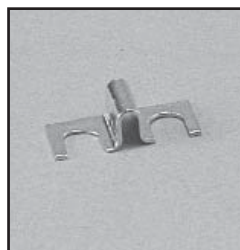
Jumpers

For connecting between adjacent terminals or alternate terminals. All jumpers are brass with nickel plating.

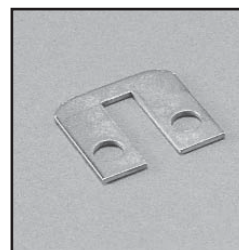
Ordering Information

Barrier Block Series	Type	Catalog No.
140	A	140J-1
141	B	141J-1
141	F	141J
142	F	95B
142, 542	D	142J-1*
142, 542	E	142J-2
540	C	540J
541	C	541J
542	C	542J

* Connects two alternate terminals



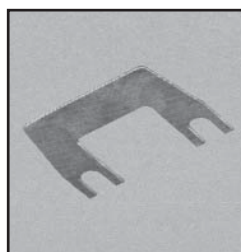
Type A



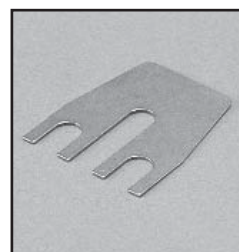
Type B



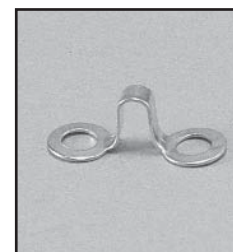
Type C



Type D



Type E



Type F