

Cinch Commercial Products, consisting of Jones Plugs and Sockets, Barrier Blocks, Edge Cards, Two-Piece Commercial Dins, Mini Din Plugs, and their newest addition the 75Ω Press-Fit BNC Receptacle, provide a wide variety of connectors for the purchaser and designer to choose from.

The Jones Plugs and Sockets have been utilized for decades and provide a quick, reliable, and economical means of solving your higher current-carrying capacity needs. Available in two series (300 and 2,400), these connectors can be found in data processing controls; amusement and vending machines; medical, communication, and test equipment; as well as industrial controls and heavy-duty, battery-powered equipment. Both series are available in a variety of cable and panel mounting options.

Cinch Barrier Blocks are designed to simplify wiring work by reducing splicing, preventing current leaks and short circuits, and increasing insulation. Available in a variety of densities, these barrier blocks can be found in applications ranging from industrial controls to switching systems.

Designed specially for applications where space is at a premium, the Cinch Mini Din family is ideal for personal computers, keyboard-mouse interface, hand-held electronic equipment, office-automation equipment, and audio and video equipment. Available in sizes 3 through 8 contact, the Cinch Mini Din family includes a fully shielded cable mounted plug in various cable lengths or cable mounted plug components for customers with high-volume assembly and overmold capabilities.

Cinch Edge Card Connectors are available in a variety of styles on both .100 or .156 center spacing.

The newest addition to the commercial family, the 75Ω Press-Fit BNC Receptacle is designed around a unique patented press-fit design that allows for multiple insertion into a backplane without loss of mechanical retention or electrical performance.

When looking for time reliability to solve your commercial interconnect needs, look no further than Cinch Connectors. Whether it's a Jones Plug and Socket, Barrier Block, Edge Card, Mini Din plug, or our newest addition, the 75Ω BNC Press-Fit connector, you will always know years of customer satisfaction stand behind the product you chose.

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

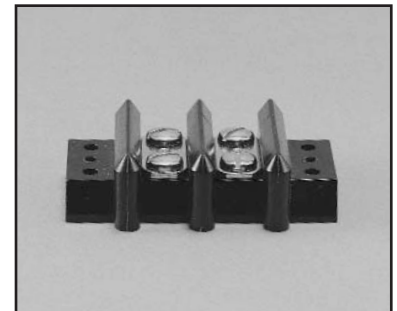
Insulation Material: Molded monoblock, general purpose phenolic, black, UL Rated 94V-1

Eyelets: Material - Brass
Plating - Nickel

Screws: Material - Steel
Plating - Nickel over copper flash

Solder Terminals: Material - Brass
Plating - Electro-Tin

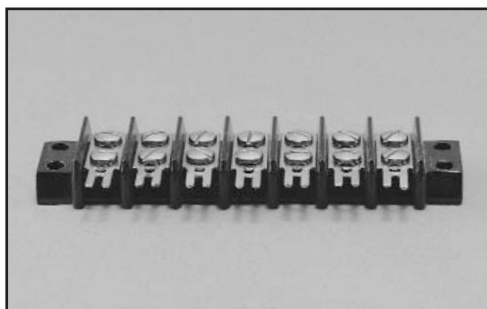
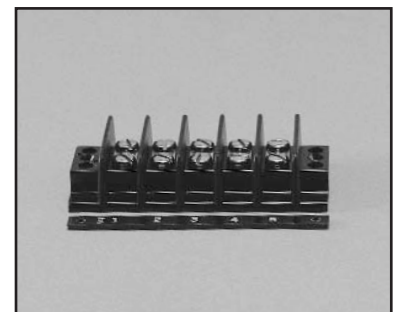
Marker Strip Material: Nema Grade XPC, UL Rated 94V-O



ENVIRONMENTAL

Operating Temperature: -55° to +300°F

Certifications: UL Recognized - File E61245
CSA - LR 31996



Marketed exclusively through distribution.

TERMINAL BLOCK QUICK REFERENCE

Center-to-Center Series 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

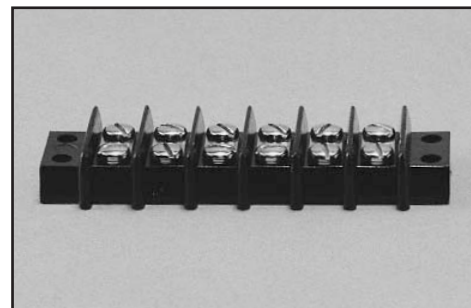
Current Rating: 15 Amps maximum

Maximum Watts Per Terminal: 3750

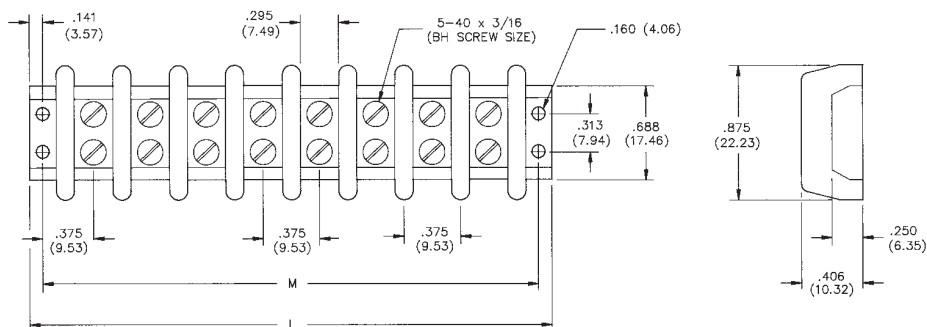
Mechanical Characteristics

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

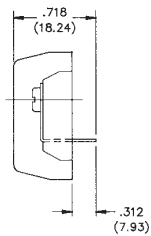
.375 Density, 5-40 x 3/16"
BH Screw, Open Bottom,
Double Row



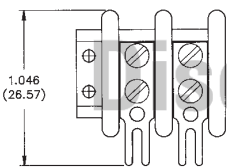
Solder Terminal Options

Dimensions

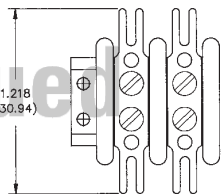
“Y” Terminals



~~“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

“Y”

~~“3/4W”~~

~~“W”~~

Catalog No.

Y-140

~~3/4W-140~~

~~W-140~~

Marketed exclusively through distribution.

Barrier Blocks
Series 140

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

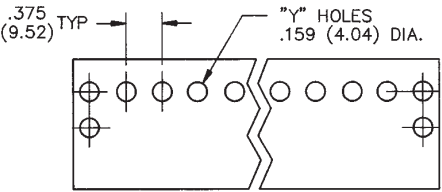
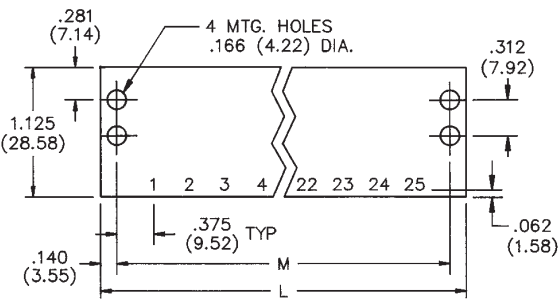


Marker Strips

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.