

DESCRIPTION/APPLICATION

The Tri-Barrier product is an original Thomas & Betts design and we set new terminal block standards with its introduction. In recent years, some of our competition has copied this design.

It's easy to see why we're copied. Our Tri-Barrier blocks help contain stray or frayed wire ends. This prevents electrical shorts — not only between positions on the same block, but also between other components immediately adjacent to the block. With today's high-density PCB designs, this has become an increasingly important feature.

APPLICATIONS

- Industrial controls and automation
- Machine tools
- HVAC/R
- Power supplies
- Security/Irrigation
- Transformers

DESIGN ADVANTAGES

- Back barriers to safeguard field wiring
- Fast wiring – backed-out wire-ready screws
- Interrupted thread prevents screws from falling out
- Standoffs allow flux and solvents to drain during cleaning
- Molded-to-length or cut-to-length versions available
- Slotted or phil-slot screws available

TRI-BARRIER STRIPS



CONNECTOR INDEX

0.250"	Pitch, Series #3.....	56-59
0.250"	Pitch, Series RSB2.....	60, 61
0.325"	Pitch, Series #4.....	62-65
0.325"	Pitch, Series RSB3.....	66-69
0.375"	Pitch, Series #6.....	70-73
0.375"	Pitch, Series RSB6.....	74-77
0.375"	Pitch, Series BC6, Panel Mount.....	78-79
0.375"	Pitch, Series MB6, Double Level.....	80, 81
0.4375"	Pitch, Series #8.....	82, 83

0.4375" PITCH SERIES #8

PHYSICAL PROPERTIES

HOUSING MATERIAL: Polypropylene
FLAMMABILITY: UL94V-0
COLOR: Black

TERMINAL

TERMINALS: Bright acid tin over copper alloy
SCREWS: #8-32 steel, zinc plating with clear chromate coating. Wire clamping screws standard. Binding head screw with undercut optional.

MECHANICAL

PITCH (TERMINAL SPACING): .375"
RECOMMENDED PCB HOLE DIA.: 1.8mm (.073")

ELECTRICAL PROPERTIES

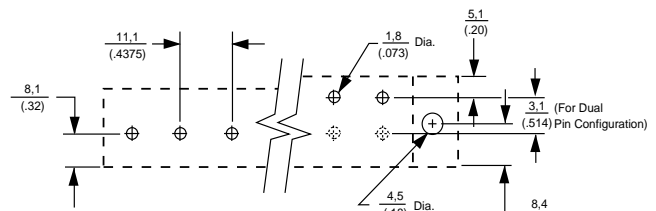
MAXIMUM CURRENT: 30A
OPERATING VOLTAGE: 300V
WIRE RANGE: 10-18 AWG (UL)
10-22 AWG (CSA)

ENVIRONMENTAL PROPERTIES

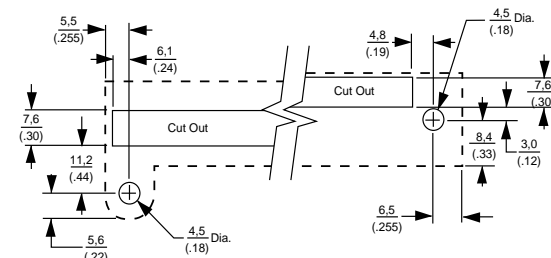
OPERATING TEMPERATURE RANGE: 105°C max.



#8 SERIES TRI-BARRIERS

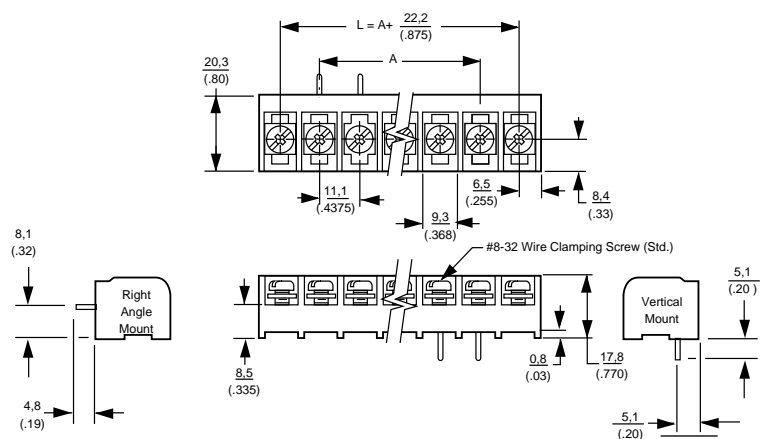


RIGHT ANGLE
PRINTED CIRCUIT BOARD LAYOUT



RIGHT ANGLE
MOUNTING PANEL LAYOUT

TERMINALS	A	TERMINALS	A
2	(0.4375) 11,1	15	(6.12) 155,6
3	(0.87) 22,2	16	(6.56) 166,7
4	(1.31) 33,3	17	(7.00) 177,8
5	(1.75) 44,5	18	(7.44) 188,9
6	(2.19) 55,6	19	(7.87) 200,0
7	(2.62) 66,7	20	(8.31) 211,1
8	(3.06) 77,8	21	(8.75) 222,2
9	(3.50) 88,9	22	(9.19) 233,4
10	(3.93) 100,0	23	(9.62) 244,5
11	(4.37) 111,1	24	(10.06) 255,6
12	(4.81) 122,2	25	(10.50) 266,7
13	(5.25) 133,3	26	(10.94) 277,8
14	(5.69) 144,5		



0.4375" PITCH
SERIES #8

ORDERING INFORMATION

8 PCV-04-004

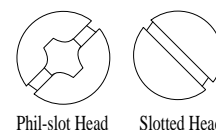
A **B** **C** **D**

A Screw Size Spacing
8 = #8-32 on .4375" Centers

C No. of Circuits (Not positions)
02 through 26

B Terminal Style
DBL = Double Printed Circuit Pin
PCR = Printed Circuit, Right Angle
PCV = Printed Circuit Pin, Vertical
QCR = Quick Connect Tab, Right Angle
QCV = Quick Connect Tab, Vertical
STR = Solder Turret, Right Angle
STV = Solder Turret, Vertical
TBV = Non Feed Thru
WWR = Solderless Wire Wrap, Right Angle
WWV = Solderless Wire Wrap, Vertical

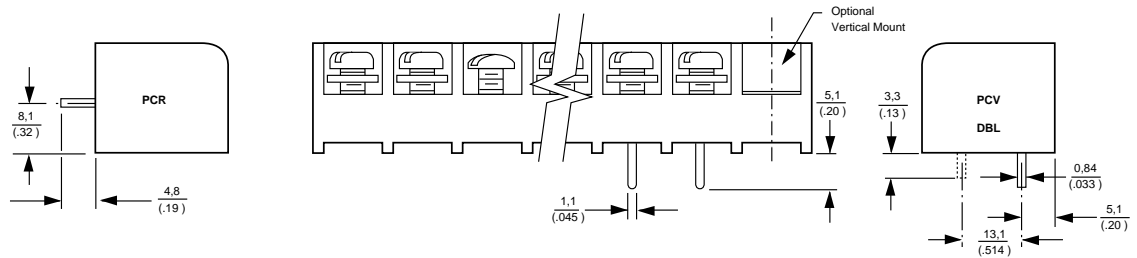
D Modifiers
Use table below.
Note: If modifier is -000
it may be omitted. (8PCV-06)



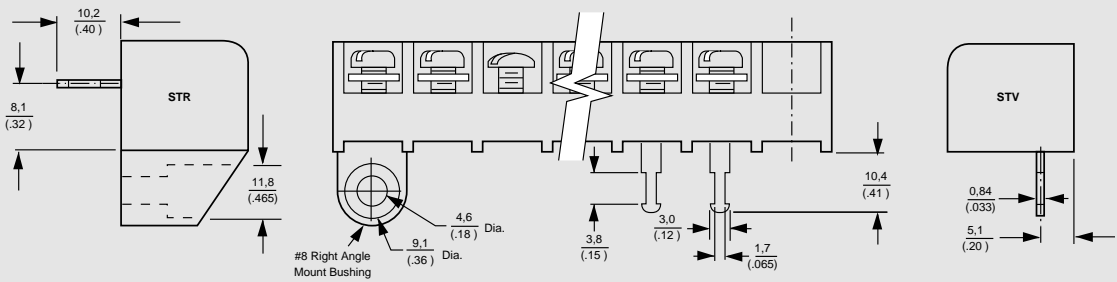
Terminal Style	Modifier Slotted Head	Modifier Phil-slot Head	Screw Style	Mounting Construction
DBL	000	006	Wire Clamp	No Mounting
	001	007	Binding Head	
PCV	000	006	Wire Clamp	No Mounting
	001	007	Binding Head	
	004	008	Wire Clamp	
	005	009	Binding Head	
PCR	000	006	Wire Clamp	No Mounting
	001	007	Binding Head	
	004	008	Wire Clamp	
	005	009	Binding Head	
QCV STV WWV	000	006	Wire Clamp	
	004	008	Wire Clamp	
QCR STR WWR	000	006	Wire Clamp	
	004	008	Wire Clamp	
TBV	000	006	Wire Clamp	

0.4375" PITCH
SERIES #8

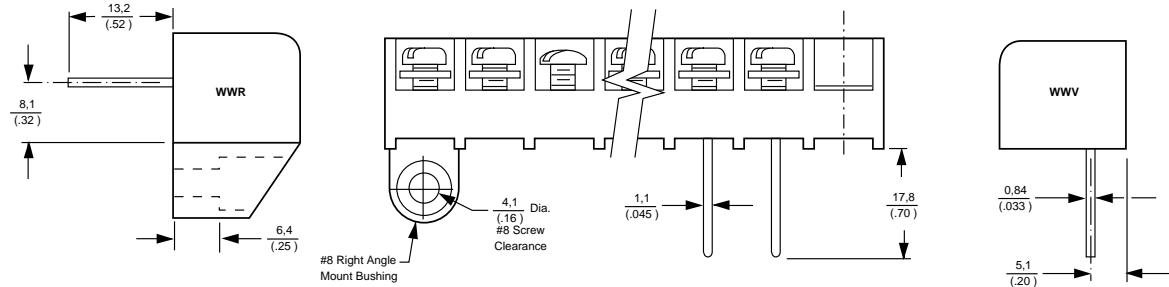
Printed Circuit Pin



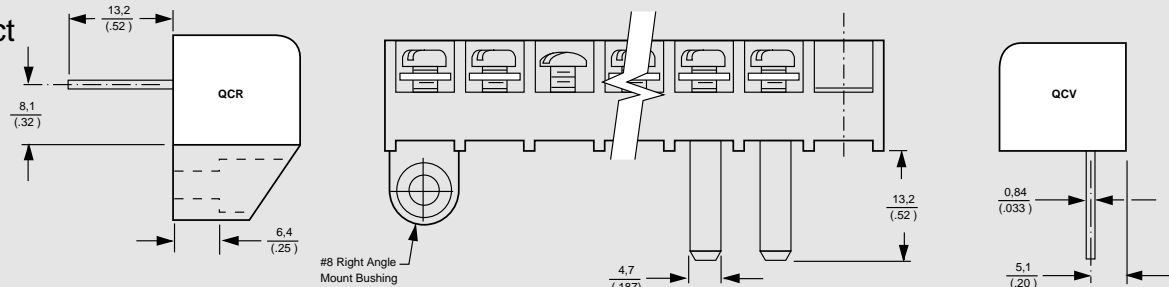
Solder Turret



Wire Wrap



Quick Connect



Non-Feed Thru

