TRI-BARRIER STRIPS

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.

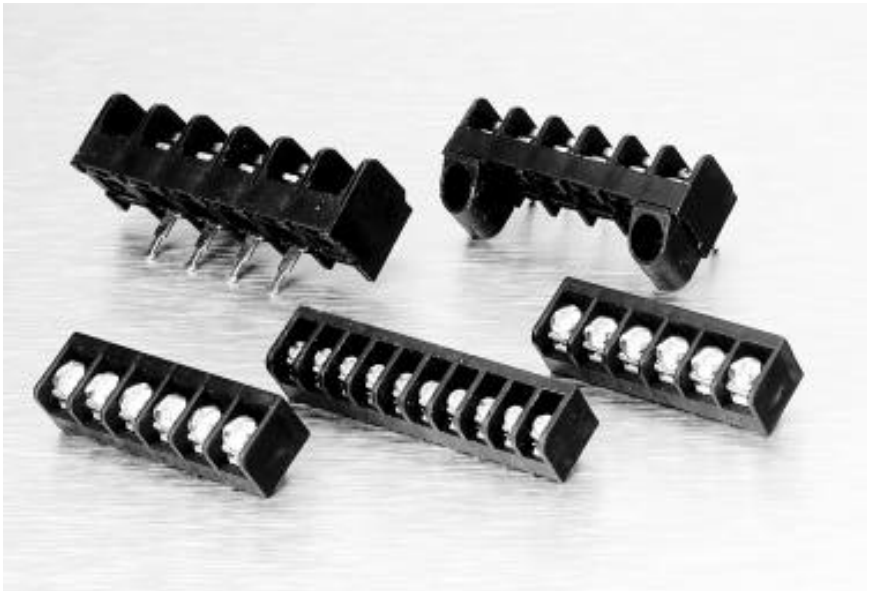
It's easy to see why we're copied. Our Tri-Barrier blocks help contain stray or frayed wire ends. This prevents electrical shorts — not only between positions on the same block, but also between other components immediately adjacent to the block. With today's high-density PCB designs, this has become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

Applications

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

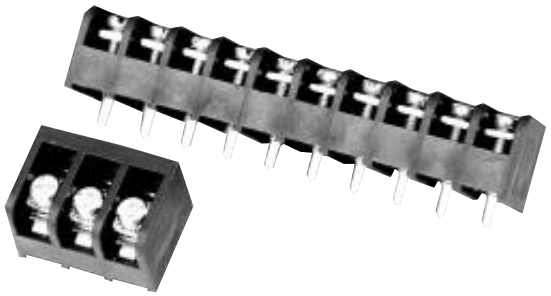
Design Advantages

- Back barriers to safeguard field wiring
- Fast wiring – backed-out wire-ready screws
- Interupted 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



CONNECTOR INDEX

0.250” PITCH
SERIES #3



3PCV-03 & 3PCV-10

Physical Properties

Housing Material: Polypropylene
Flammability: UL94V-0
Color: Black

Terminal

Terminals: Bright acid tin over copper alloy
Screws: #3-48 steel, zinc plating with clear chromate coating. Wire clamping screws standard.

Mechanical

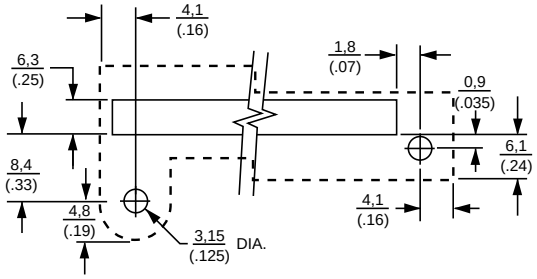
Pitch (Terminal Spacing): 0.250”
Recommended PCB Hole Dia.: 1.8mm (.073”)
Recommended Tightening Torque: 5.5 in.-lbs.

Electrical Properties

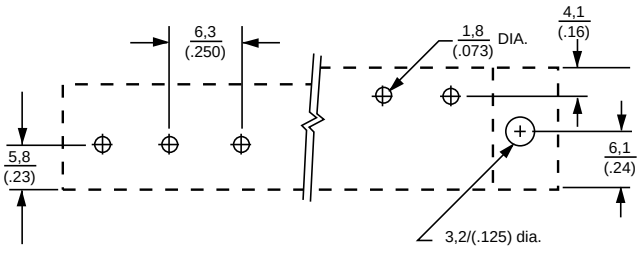
Maximum Current: 10A
Operating Voltage: 150V (limited rating)
Wire Range: 18-22 AWG

Environmental Properties

Operating Temperature Range: 105°C max.



RIGHT ANGLE VERTICAL
MOUNTING PANEL LAYOUT



RIGHT ANGLE CENTER
PRINTED CIRCUIT LAYOUT

RDI®

LR30811 E54800

0.250" PITCH
SERIES #3

ORDERING INFORMATION

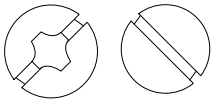
3 PCV - 04 - 004
A B C D

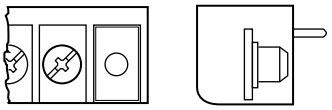
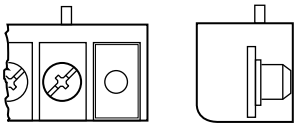
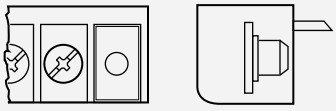
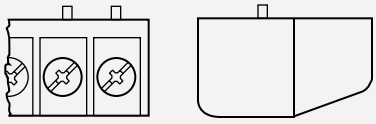
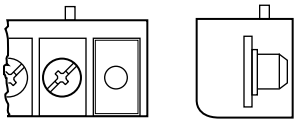
A Screw Size Spacing
3 = #3-48 on .250" Centers

B Terminal Style
PCV = Printed Circuit Pin, Vertical
PCR = Printed Circuit, Right Angle
STV = Solder Turret, Vertical
STR = Solder Turret, Right Angle
WWV = Solderless Wire Wrap, Vertical

C No. of Circuits (Not Positions)
02 through 32

D Modifier
Use table below.
Note: If modifier is -000
it may be omitted. (3PCV-06)


Phil-slot Head Slotted Head

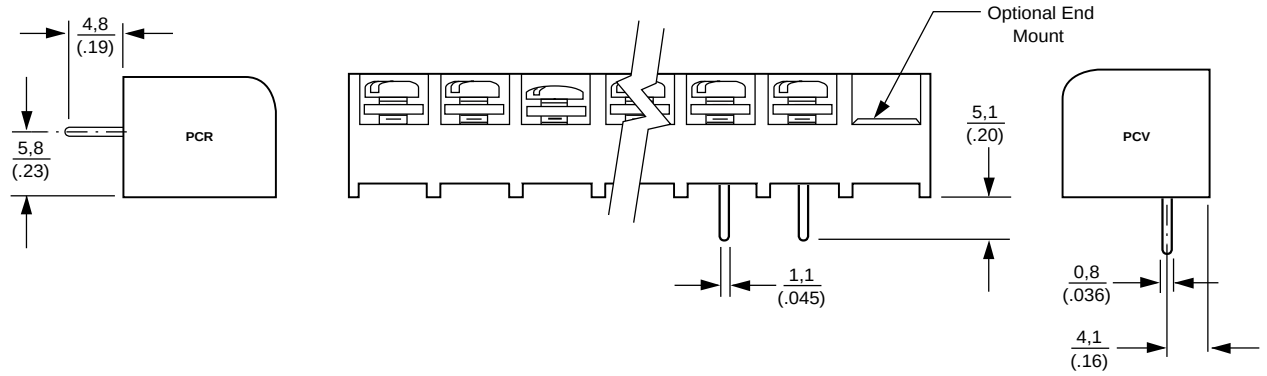
Terminal Style	Modifier Slotted Head	Modifier Phil-slot Head	Screw Style	Mounting Construction
PCV	**000**	**006**	Wire Clamp	No Mounting
	004	**008**	Wire Clamp	
PCR	**000**	**006**	Wire Clamp	No Mounting
	004	**008**	Wire Clamp	
STV WWV	**000**	**006**	Wire Clamp	
	004	**008**	Wire Clamp	No Mounting
STR	**000**	**006**	Wire Clamp	
	004	**008**	Wire Clamp	

RDI®

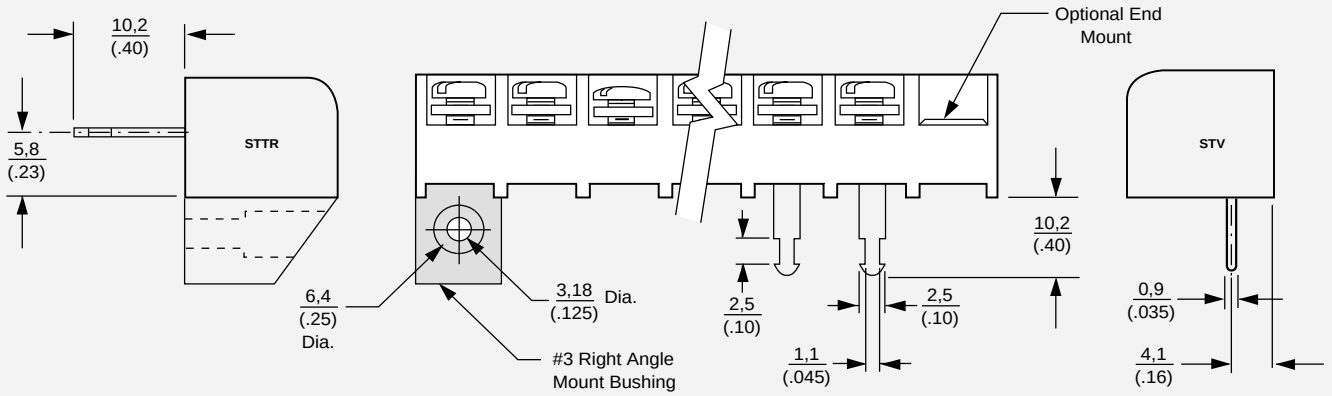
LR30811 E54800

0.250” PITCH
SERIES #3

Printed Circuit Pin

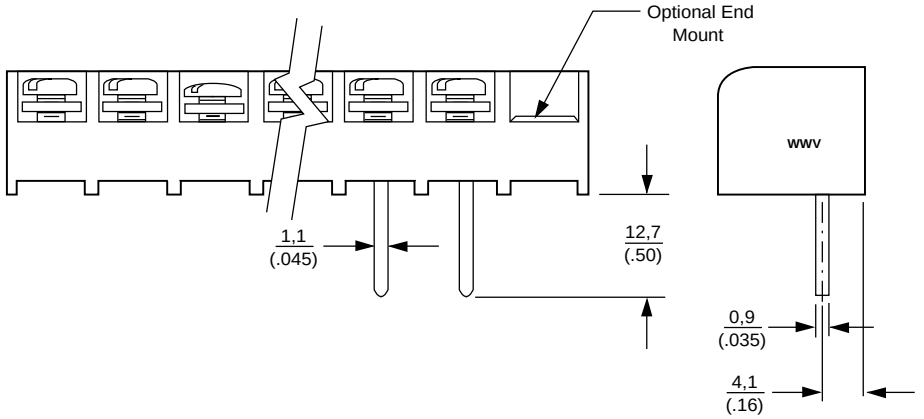


Solder Turret



Wire Wrap

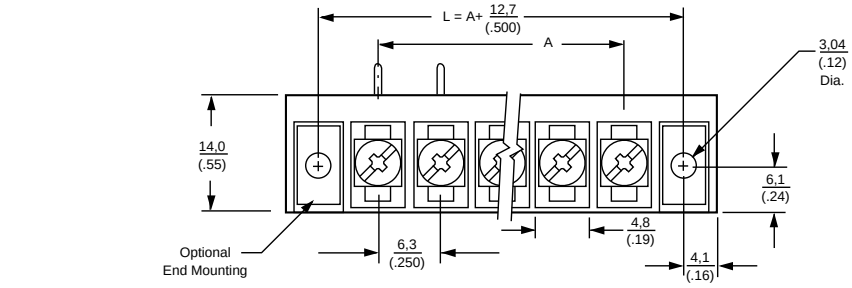
#3WWR not available

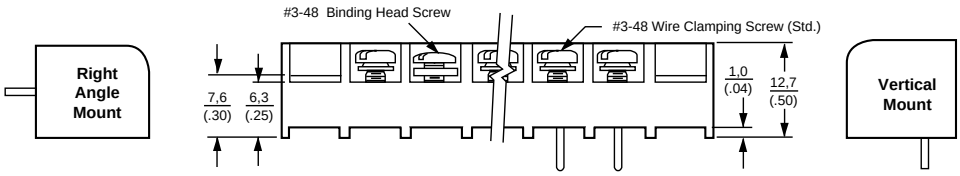


RDI®

LR30811 E54800

0.250” PITCH
SERIES #3





TERMINALS	A	TERMINALS	A
2	(0.25) 6,3	18	(4.25) 107,9
3	(0.50) 12,7	19	(4.50) 114,3
4	(0.75) 19,0	20	(4.75) 120,6
5	(1.00) 25,4	21	(5.00) 127,0
6	(1.25) 31,7	22	(5.25) 133,3
7	(1.50) 38,1	23	(5.50) 139,7
8	(1.75) 44,4	24	(5.75) 146,0
9	(2.00) 50,8	25	(6.00) 152,4
10	(2.25) 57,1	26	(6.25) 158,8
11	(2.50) 63,5	27	(6.50) 165,1
12	(2.75) 69,8	28	(6.75) 171,5
13	(3.00) 76,2	29	(7.00) 177,8
14	(3.25) 82,5	30	(7.25) 184,2
15	(3.50) 88,9	31	(7.50) 190,5
16	(3.75) 95,2	32	(7.75) 196,9
17	(4.00) 101,6		