

# Series V7-W Terminals

A comprehensive selection of rugged connections



Sprecher + Schuh's V7-W terminals are designed to meet the three most important criteria when selecting a terminal block line – ease of wiring, secure connections, and durability. The line is also comprehensive, offering a wide array of terminal types for most circuits and functions, from control to low level power.

## The size you need

V7-W feed-through terminals come in ten sizes and are rated to 600VAC (800V-IEC). They accommodate a full range of wire sizes from 30AWG to 3/0 AWG (0.5mm<sup>2</sup> to 70mm<sup>2</sup> wire cross section). Many “specialty” feed-through terminals are also available that provide multiple terminations or increase the density of connections. This reduces panel space and saves money.

## Comprehensive selection of special terminals

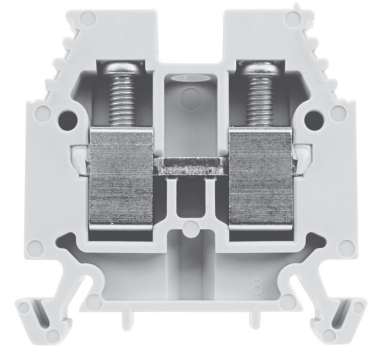
Aside from the broad selection of standard feed-through terminals, many special terminals are also part of the V7-W line, including:

- Two level terminals
- High Current terminals
- Ground terminals
- Dual connection terminals
- Diode terminals
- Plug-in style terminals
- Various isolating terminals
- Fuse terminals
- Sensor terminals
- Thermocouple terminals
- Proximity switch terminals

Even the most varied circuit requirements can be supported by the broad selection offered with this line.

## Super reliable connections

The most important aspect of a terminal block is to join wires in a reliable connection. With V7-W terminals, a cone shaped guide allows easy insertion of the wire into a nickel plated barrel. As tightening torque is applied to



*Stainless steel screws and nickel plated current bars provide a strong, corrosion resistant connection*

strong stainless steel screws, the wire is secured between a recessed contact pad and serrated current bar. This corrosion-resistant clamping mechanism provides excellent performance in the most demanding industrial conditions.



## Superior insulation and protection features

All metal parts are recessed, providing a touch-safe, dead front design for optimum safety. Terminal bodies are manufactured from Polyamide 6.6, known for its excellent thermal stability, impact resistance and resistance to electrical creepage. The insulating cases are rated up to 90°C (195°) for continuous operation. They also stay elastic down to -40°C (-40°F) without fracturing.

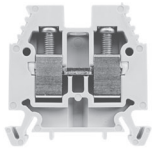
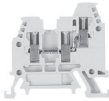

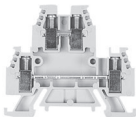
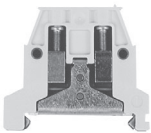
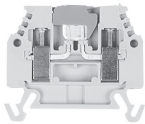
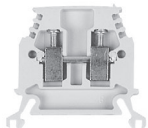
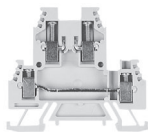
## International approvals

Sprecher + Schuh's V7-W terminal block line is UL recognized and CSA Certified. Many terminals have also been certified for use in hazardous locations. The line also carries the CE Mark for use in most international markets.




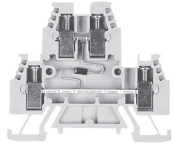
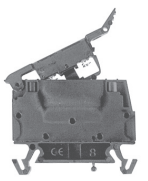
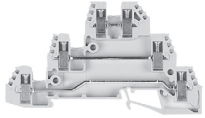
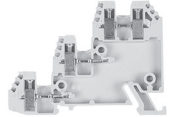
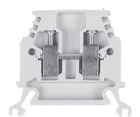
N1

V7 Terminals

**Quick Selection Guide** (refer to page indicated for complete information and detailed pricing)

Terminal	Description	Type	Overall Term. Width	Cross-sec. [mm <sup>2</sup> ]	Catalog Number	See Page...
<b>Through Terminals</b>						
	Standard Feed-Through Blocks Provides one straight-through circuit for wire sizes up to 70 mm <sup>2</sup> .	Color: gray (other colors available)	5	2.5	V7-W3	N1:5
			6	4	V7-W4	N1:5
			7	6	V7-W6	N1:5
			8	10	V7-W10	N1:6
			11	16	V7-W16S	N1:6
			14	35	V7-W35	N1:7
			23	70	V7-W70	N1:7
	Specialty Feed-Through Blocks Provides one straight-through circuit with 3 wire terminals.	Color: gray (other colors available)	5	2.5	V7-W3TW	N1:9
	Return Terminals Single circuit terminal block with terminals on common side.	Color: gray	5	2.5	V7-WR3	N1:9
	Two Level Terminals	Color: gray	5	2.5	V7-WD3	N1:8
			6	4	V7-WD4	N1:8
			7	6	V7-WD6	N1:8
<b>Ground Terminals</b>						
	Grounding Terminals	Color: green / yellow	6	4	V7-WG4	N1:10
			7	6	V7-WG6	N1:10
			8	10	V7-WG10S	N1:10
			13	16	V7-WG16	N1:11
			18	35	V7-WG35	N1:11
			22	70	V7-WG70	N1:11
			6	2.5	V7-WDG4C	N1:12
<b>Isolation and Plug-in Style Blocks</b>						
	Knife Style Isolation Blocks Used to isolate a circuit after power has been removed by an appropriate disconnect switch.	Color: gray	5	2.5	V7-WKD3	N1:16
			5	2.5	V7-WKD3TP	N1:16
			9	6	V7-WKD6	N1:16
	Handle Style Isolation Block Used to isolate a circuit after power has been removed by an appropriate disconnect switch.	Color: black	9	4	V7-H7	N1:17
	Plug-in Style Block Accepts plugs listed on opposite page.	without insert	6	2.5	V7-W4P	N1:20
		without insert, with test plug screws	6	2.5	V7-W4PTP	N1:20
	Two & Three Level Plug-in Style Terminal Blocks - Accepts plugs listed on opposite page.	two level, without insert	6	2.5	V7-WD4P	N1:21
		three level, without insert, with ground	6	2.5	V7-WDG4P	N1:21

**Quick Selection Guide** (refer to page indicated for complete information and detailed pricing)

Terminal	Description	Type	Overall Term. Width	Cross-sec. [mm <sup>2</sup> ]	Catalog Number	See Page...
<b>Isolation and Plug-in Style Blocks (continued)</b>						
Inserts for V7-W4P— Order Separately						
	Disconnect Plug				V7-DP4	N1:28
	Component Plug				V7-CP4	N1:28
	Fuse Plug	5 x 20 mm; without indication 5 x 20 mm; with LED 5 x 20 mm; with LED			V7-FP4 V7-FP424 V7-FP4250	N1:28
<b>Two Level Component Terminals</b>						
	Diode Terminals	with a fixed connection with a diode in forward bias with a diode in reverse bias	6 6 6	4 4 4	V7-WD4C V7-WD4DF V7-WD4DR	N1:22
<b>Fusible Terminals</b>						
	Fuse Terminals (fuses not supplied)	5 x 20 mm, without indication 5 x 20 mm, without indication 5 x 20 mm, with LED 5 x 20 mm, with neon lamp 6.3 x 32 mm, without indication 6.3 x 32 mm, without indication 6.3 x 32 mm, with LED 6.3 x 32 mm, with neon lamp	8 8 8 8 9 9 9 9	4 4 4 4 4 4 4 4	V7-WFB4 V7-WFB10V V7-WFB424 V7-WFB4250 V7-H6 V7-WFB10VA V7-H5 V7-H4	N1:13 N1:15 N1:13 N1:13 N1:14 N1:15 N1:14 N1:14
<b>Sensor Terminals</b>						
	Sensor Supply Terminal (Initiator)	without LED with LED PNP with LED NPN	5 5 5	2.5 2.5 2.5	V7-WTF3 V7-WTF3LP V7-WTF3LN	N1:18 N1:18 N1:18
	Sensor Terminal (Initiator)	no indicator with LED PNP with LED NPN	5 5 5	2.5 2.5 2.5	V7-WTS3 V7-WTS3LP V7-WTS3LN	N1:19 N1:19 N1:19
<b>Thermocouple Terminals</b>						
	Thermocouple Terminals	Chromel / Constantan Iron / Constantan Copper / Constantan	10 10 10	2.5 2.5 2.5	V7-WTC3E V7-WTC3J V7-WTC3T	N1:23 N1:23 N1:23

**Standard Feed-Through Blocks ①**

Ordering and Technical Information ①	2.5mm <sup>2</sup>		4mm <sup>2</sup>		6mm <sup>2</sup>	
	Single circuit terminal block		Single circuit terminal block		Single circuit terminal block	
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty
Terminal - Gray	V7-W3	50	V7-W4	50	V7-W6	50
Red	V7-W3-RE	50	V7-W4-RE	50	V7-W6-RE	50
Blue	V7-W3-B					
Black	V7-W3-BL					
Green	V7-W3-G					
Yellow	V7-W3-Y					
Orange	V7-W3-OR					
White	V7-W3-W					
Brown	V7-W3-BR					

**Accessories (also see pages N1:24...N1:29)**

End Barrier	V7-EB3	50	V7-EB3	50	V7-EB10	50		
End Anchors								
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50		
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10		
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50		
Jumpers								
Side Jumper – 10-pole Insulated	V7-SJ5-10	10	V7-SJ6-10	10	V7-CJ7-40 (40 pole)	5		
Center Jumper – 50-pole	V7-CJ5-50	5	V7-CJ6-50	5				
Center Jumper – 10-pole	V7-CJ5-10	10	V7-CJ6-10	10				
Center Jumper – 3-pole	V7-CJ5-3	10	V7-CJ6-3	10				
Center Jumper – 2-pole	V7-CJ5-2	10	V7-CJ6-2	10				
Center Jumper Link	V7-CJL5	10	V7-CJL6	10				
Center Jumper Cover – White	V7-CJCW5 ②	20	V7-CJCW6	20				
Other Accessories								
Partition Plate	V7-PP3	50	V7-PP3	50			V7-PP10	50
Separation Plate	V7-SP3	50	V7-SP3	50				
Test Plug			V7-TP28	10	V7-TP28	10		
Test Plug			V7-TP6E	10				
Test Plug			V7-TP6EWL	10				
Test Plug Adapter	V7-TA285	10	V7-TA40	10	V7-TA40	10		
Electrical Warning Plate (1-pole)	V7-EWP5-4	10	V7-EWP5-4	10	V7-EWP7-4	10		
Screwdriver ③	V7-SCRDRV1	1	V7-SCRDRV1	1	V7-SCRDRV1	1		
Marking Systems ④								
Blank Tags (cards of 100)	V7-SM5X9	5	V7-SM6X12	5	V7-SM6X12	5		
	V7-SM5X12	5		5				
Pre-printed Tags (sticks of 10)	V7-MP5 ⑤	10	V7-MP ⑤	10	V7-MP ⑤	10		

**Terminal Block Specifications**

Approvals	UL	UL	IEC	UL	UL	IEC	UL	UL	IEC
Voltage Rating	600V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	600V AC/DC	800V AC/DC
Maximum Current	20 A	20 A	24 A	30 A	30 A	32 A	40 A	40 A	41 A
Wire Range (Rated Cross Section)	#22...#14 AWG	#30...#14 AWG	0.5...2.5mm <sup>2</sup>	#22...#10 AWG	#22...#10 AWG	0.5...4mm <sup>2</sup>	#22...#10 AWG	#22...#10 AWG	0.5...6mm <sup>2</sup>
Wire Strip Length	0.39" (10 mm)			0.35" (9 mm)			0.47" (12 mm)		
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)			5.6...6.8 lb-in. (0.7 Nm)		
Density	61 pcs./ft (200/m)			50 pcs./ft (166/m)			43 pcs./ft (142/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

① Special order with minimum quantities may be required for certain terminal colors.

② May only be used as a marking surface. Cannot be installed over a center jumper.

③ Specially designed to fit the screws on V7-W3, W4 and W6 terminals.

④ Custom marking tags available. See page N2:8 for order form.

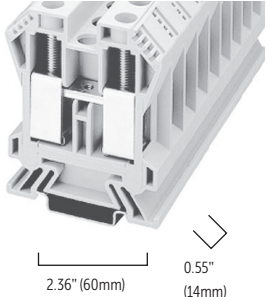
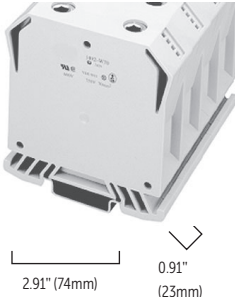




⑤ Catalog number is not complete. See pages N2:6...N2:7.

**Standard Feed-Through Blocks ①**

Ordering and Technical Information ①	10mm <sup>2</sup>		16mm <sup>2</sup>			
	Single circuit terminal block		Single circuit terminal block			
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty		
Terminal - Gray	V7-W10	50	V7-W16S	50		
Red	V7-W10-RE		V7-W16S-RE			
Blue	V7-W10-B		V7-W16S-B			
Black	V7-W10-BL		V7-W16S-BL			
Green	V7-W10-G	50	V7-W16S-G	50		
Yellow	V7-W10-Y		V7-W16S-Y			
Orange	V7-W10-OR		V7-W16S-OR			
White	V7-W10-W		V7-W16S-W			
Brown	V7-W10-BR		V7-W16S-BR			
Accessories (also see pages N1:24...N1:29)						
End Barrier	V7-EB10	50	V7-EB10	50		
End Anchors						
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50		
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10		
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50		
Jumpers						
Side Jumper – 10-pole Insulated	V7-SJ8-10	10				
Center Jumper – 40-pole	V7-CJ8-40	5				
Center Jumper – 10-pole	V7-CJ8-10	10	V7-CJS11-10	10		
Center Jumper – 3-pole	V7-CJ8-3	10	V7-CJS11-3	10		
Center Jumper – 2-pole	V7-CJ8-2	10	V7-CJS11-2	10		
Center Jumper Link	V7-CJL8	10				
Center Jumper Cover – White ②	V7-CJCW6	20				
Other Accessories						
Partition Plate	V7-PP10	50	V7-PP10	50		
Test Plug	V7-TP28	10				
Test Plug Adapter	V7-TA40	10				
Electrical Warning Plate (1-pole)	V7-EWP8-4	10				
Group Marking Carrier	V7-GM35	10	V7-GM35	1		
Marking Systems ③						
Blank Tags (cards of 100)	V7-SM8X12	5	V7-SM6X12	5		
Pre-printed Tags (sticks of 10)	V7-MP ④	10	V7-MP ④	10		
Terminal Block Specifications						
Approvals			IEC			IEC
Voltage Rating	600V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	600V AC/DC	800V AC/DC
Maximum Current	50 A	50 A	57 A	85 A	85 A	76 A
Wire Range (Rated Cross Section)	#22...8 AWG	#22...8 AWG	0.5...10mm <sup>2</sup>	#14...4 AWG	#14...4 AWG	2.5...16mm <sup>2</sup>
Wire Strip Length	0.51" (13 mm)			0.51" (13 mm)		
Recommended Tightening Torque	12.2...13.4 lb-in. (1.4 Nm)			18...20 lb-in. (2.1 Nm)		
Density	38 pcs./ft (125/m)			27 pcs./ft (90/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30		

- ① Special order with minimum quantities may be required for certain terminal colors.
- ② May only be used as a marking surface. Cannot be installed over a center jumper.
- ③ Custom marking tags available. See page N2:8 for order form.
- ④ Catalog number is not complete. See pages N2:6...N2:7.

**Standard Feed-Through Blocks ①**

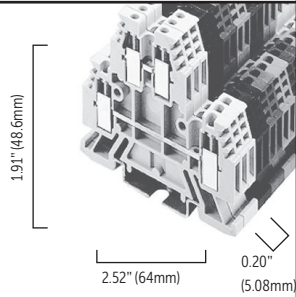
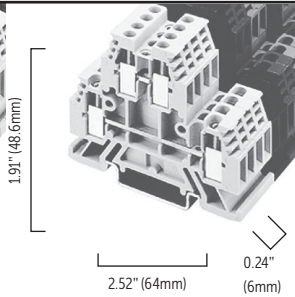
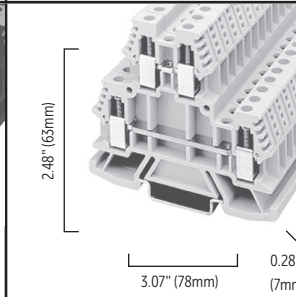
Ordering and Technical Information ①	35mm <sup>2</sup>		70mm <sup>2</sup>			
						
	2.80" (71mm) 2.36" (60mm) 0.55" (14mm)	2.80" (71mm) 2.91" (74mm) 0.91" (23mm)				
	Single circuit terminal block		Single circuit terminal block			
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty		
Terminal - Gray	V7-W35	10	V7-W70	5		
Blue	V7-W35-B	10	V7-W70-B	5		
<b>Accessories (also see pages N1:24...N1:29)</b>						
End Barrier	V7-EB35	25	Not Required			
End Anchors						
DIN Rail – Normal Duty	V7-EA35	50				
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10		
DIN Rail – Snap-in	V7-ER35	50				
Jumpers						
Center Jumper – 3-pole	V7-CJ14-3	10				
Center Jumper – 2-pole	V7-CJ14-2	10				
Other Accessories						
Partition Plate	V7-PP35	25				
Group Marking Carrier	V7-GM35	10	V7-GM35	10		
Marking Systems ②						
Blank Tags (cards of 100)	V7-SM6X12	5	V7-SM6X12	5		
Pre-printed Tags (sticks of 10)	V7-MP ③	10	V7-MP ③	10		
<b>Terminal Block Specifications</b>						
Approvals			IEC			IEC
Voltage Rating	600V AC/DC	600V AC/DC	750V AC/DC	600V AC/DC	600V AC/DC	750V AC/DC
Maximum Current	140 A	125 A	138 A	310 A	200 A	175 A
Wire Range (Rated Cross Section)	#14... #1/0 AWG	#14... #1/0 AWG	2.5...35 mm <sup>2</sup>	#4... #3/0 AWG	#4... #3/0 AWG	4...70 mm <sup>2</sup>
Wire Strip Length	0.67" (17 mm)			1.02" (26 mm)		
Recommended Tightening Torque	22.1lb-in. (2.5 Nm)			132.8 lb-in. (15 Nm)		
Density	21 pcs./ft (71/m)			13 pcs./ft (43/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30		

① Special order with minimum quantities may be required for certain terminal colors.

② Custom marking tags available. See page N2:8 for order form.

③ Catalog number is not complete. See pages N2:6...N2:7.

### Specialty Feed-Through Blocks

Ordering and Technical Information ①	2.5mm <sup>2</sup>		4mm <sup>2</sup>		6mm <sup>2</sup>	
						
	1.91" (48.6mm)	0.20" (5.08mm)	1.91" (48.6mm)	0.24" (6mm)	2.48" (63mm)	0.28" (7mm)
	Two circuit terminal block		Two circuit terminal block		Two circuit terminal block	
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty
Terminal - Gray Blue	V7-WD3	50	V7-WD4 V7-WD4-B ①	50 50	V7-WD6	20

### Accessories (also see pages N1:24...N1:29)

Accessories	2.5mm <sup>2</sup>	4mm <sup>2</sup>	6mm <sup>2</sup>			
End Barrier	V7-EBD3	50	V7-EBD3	50	V7-EBD6	50
End Anchors						
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50
Jumpers						
Side Jumper – 10-pole	V7-SJ5-10	10	V7-SJ6-10	10		
Center Jumper – 50-pole	V7-CJD5-50	5	V7-CJD6-50	5		
Center Jumper – 40-pole					V7-CJ7-40	5
Center Jumper – 10-pole	V7-CJD5-10	10	V7-CJD6-10	10	V7-CJ7-10	10
Center Jumper – 3-pole	V7-CJD5-3	10	V7-CJD6-3	10	V7-CJ7-3	10
Center Jumper – 2-pole	V7-CJD5-2	10	V7-CJD6-2	10	V7-CJ7-2	10
Center Jumper Link	V7-CJL5	10	V7-CJDL6	10	V7-CJL7	10
Other Accessories						
Partition Plate	V7-PPD3	50	V7-PPD3	50	V7-PPD6	50
Separation Plate	V7-SPD3	50	V7-SPD3	50		
Test Plug			V7-TP28	10	V7-TP28	10
Test Plug Adapter	V7-TA285	10	V7-TA40	10	V7-TA40	10
Electrical Warning Plate (1-pole)	V7-EWP5-4	10	V7-EWP6-4	10	V7-EWP7-4	10
Group Marking Carrier	V7-GM35	10	V7-GM35	10	V7-GM35	5
Marking Systems ②						
Blank Tags (cards of 100)	V7-SM5X9	5	V7-SM6X9	5	V7-SM6X12	5
Pre-printed Tags (sticks of 10)	V7-MP5 ③	10	V7-MP ③	10	V7-MP ③	10

### Terminal Block Specifications

Approvals	UL	UL	IEC	UL	UL	IEC	UL	UL	IEC
Voltage Rating	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	550V AC/DC
Maximum Current	15 A	15 A	24 A	20 A	20 A	32 A	55 A	50 A	41 A
Wire Range (Rated Cross Section)	#22... #14 AWG	#30... #14 AWG	0.5...2.5 2.5mm <sup>2</sup>	#22... #12 AWG	#22... #10 AWG	0.5...4 4mm <sup>2</sup>	#18... #8 AWG	#18... #8 AWG	0.5...6 mm <sup>2</sup>
Wire Strip Length	0.39" (10 mm)			0.39" (9 mm)			0.35" (9 mm)		
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)			6.2 lb-in. (0.7 Nm)		
Density	60 pcs./ft (200/m)			50 pcs./ft (166/m)			43 pcs./ft (142/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

① Special order with minimum quantities may be required for certain terminal colors.

② Custom marking tags available. See page N2:8 for order form.

③ Catalog number is not complete. See pages N2:6...N2:7.



**Specialty Feed-Through Blocks ①**

Ordering and Technical Information ①	2.5mm <sup>2</sup>		2.5mm <sup>2</sup>			
	Single circuit three conductor terminal block		Single circuit terminal block with terminals on common side.			
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty		
Terminal - Gray Blue	V7-W3TW V7-W3TW-B	50 50	V7-WR3	50		
<b>Accessories (also see pages N1:24...N1:29)</b>						
End Barrier	V7-EB3TW	50	V7-EBR3	50		
End Anchors						
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50		
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10		
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50		
Jumpers						
Side Jumper – 10-pole Insulated	V7-SJ5-10 ②	10	V7-SJ5-10	10		
Center Jumper – 50-pole	V7-CJ5-50	5	V7-CJD5-50	5		
Center Jumper – 10-pole	V7-CJ5-10	10	V7-CJD5-10	10		
Center Jumper – 3-pole	V7-CJ5-3	10	V7-CJD5-3	10		
Center Jumper – 2-pole	V7-CJ5-2	10	V7-CJD5-2	10		
Center Jumper Link	V7-CJL5	10	V7-CJL5	10		
Center Jumper Cover – White ③	V7-CJCW5	20	V7-CJCW5	20		
Other Accessories						
Partition Plate	V7-PP10	50	V7-EBR3	50		
Test Plug Adapter	V7-TA285	10	V7-TA285	10		
Electrical Warning Plate (1-pole)	V7-EWP5-4	10	V7-EWP5-4	10		
Group Marking Carrier	V7-GM35	10	V7-GM35	10		
Marking Systems ④						
Blank Tags (cards of 100)	V7-SM5X9	5	V7-SM5X9	5		
Pre-printed Tags (sticks of 10)	V7-MP5 ⑤	10	V7-MP5 ⑤	10		
<b>Terminal Block Specifications</b>						
Approvals			IEC			IEC
Voltage Rating	600V AC/DC	600V AC/DC	800V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	15 A	15 A	24 A	15 A	15 A	24 A
Wire Range (Rated Cross Section)	#22... #14 AWG	#30... #14 AWG	0.5...2.5 mm <sup>2</sup>	#22... #14 AWG	#22... #14 AWG	0.5...2.5 mm <sup>2</sup>
Wire Strip Length	0.35" (9 mm)			0.39" (10 mm)		
Recommended Tightening Torque	4.2...4.6 lb-in. (0.5 Nm)			5.0...5.6 lb-in. (0.6 Nm)		
Density	61 pcs./ft (200/m)			61 pcs./ft (200/m)		
Insulation Temperature Range	-40...+195°F (-40...+90°C)			-40...+195°F (-40...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30		

① Special order with minimum quantities may be required for certain terminal colors.

② Use side jumpers on the single conductor side only.

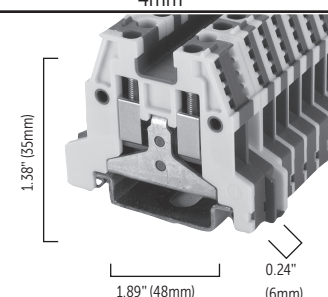
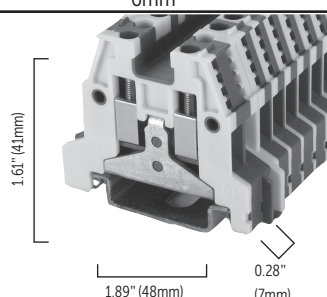
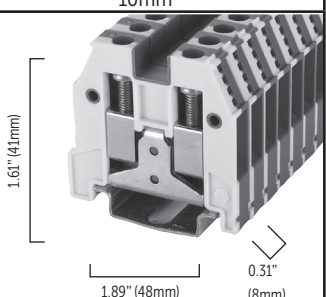






③ May only be used as a marking surface. Cannot be installed over a center jumper.

④ Custom marking tags available. See page N2:8 for order form.

⑤ Catalog number is not complete. See pages N2:6...N2:7.



**Grounding Blocks**

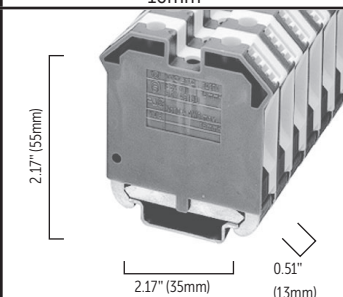
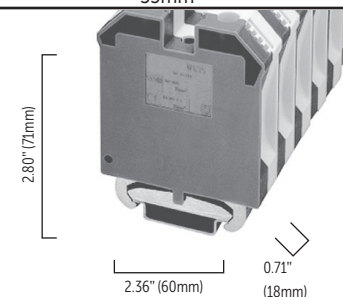
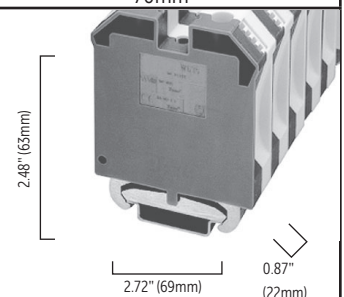






Ordering and Technical Information ❶	4mm <sup>2</sup>			6mm <sup>2</sup>			10mm <sup>2</sup>		
									
	1.38" (35mm) 1.89" (48mm) 0.24" (6mm)	1.61" (41mm) 1.89" (48mm) 0.28" (7mm)	1.61" (41mm) 1.89" (48mm) 0.31" (8mm)						
	Single circuit grounding terminal block			Single circuit grounding terminal block			Single circuit grounding terminal block		
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	
Terminal - green/yellow	V7-WG4	50	V7-WG6	50	V7-WG10S	10			
<b>Accessories (also see pages N1:24...N1:29)</b>									
End Barrier	V7-EB3-Y	50	V7-EB10-Y	50	V7-EB10-Y	50			
End Anchors									
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50			
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10			
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50			
Other Accessories									
Group Marking Carrier	V7-GM35	10	V7-GM35	10	V7-GM35	10			
Marking Systems ❷									
Blank Tags (cards of 100)	V7-SM6X12	5	V7-SM6X12	5	V7-SM8X12	5			
Pre-printed Tags (sticks of 10)	V7-MP ❸	10	V7-MP ❷	10					
<b>Terminal Block Specifications</b>									
Approvals			IEC			IEC			IEC
Voltage Rating	~	~	~	~	~	~	~	~	~
Maximum Current	Grounding			Grounding			Grounding		
Wire Range (Rated Cross Section)	#22... #14 AWG	#22... #12 AWG	4 mm <sup>2</sup>	#22... #10 AWG	#22... #10 AWG	6 mm <sup>2</sup>	#22... #8 AWG	#22... #8 AWG	10 mm <sup>2</sup>
Wire Strip Length	0.43" (11 mm)			0.47" (12 mm)			0.43" (11 mm)		
Recommended Tightening Torque	5.6...6.8 lb-in. (0.7 Nm)			5.6...6.8 lb-in. (0.7 Nm)			7.1 lb-in. (0.8 Nm)		
Density	50 pcs./ft (166/m)			43 pcs./ft (142/m)			38 pcs./ft (125/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

❶ Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.

❷ Custom marking tags available. See page N2:8 for order form.

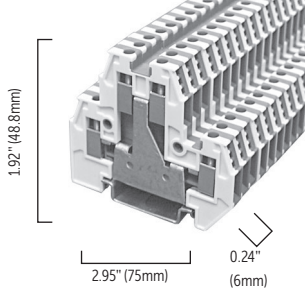

❸ Catalog number is not complete. See pages N2:6...N2:7.

**Grounding Blocks**

Ordering and Technical Information ①	16mm <sup>2</sup>			35mm <sup>2</sup>			70mm <sup>2</sup>		
									
	2.17" (55mm)	2.17" (35mm)	0.51" (13mm)	2.80" (71mm)	2.36" (60mm)	0.71" (18mm)	2.48" (63mm)	2.72" (69mm)	0.87" (22mm)
	Single circuit grounding terminal block			Single circuit grounding terminal block			Single circuit grounding terminal block		
	Catalog Number		Pkg. Qty	Catalog Number		Pkg. Qty	Catalog Number		Pkg. Qty
Terminal - green/yellow	V7-WG16		10	V7-WG35		10	V7-WG70		5
<b>Accessories (also see pages N1:24...N1:29)</b>									
End Barrier	Not Required			Not Required			Not Required		
End Anchors	Not Required			Not Required			Not Required		
DIN Rail – Normal Duty	Not Required			Not Required			Not Required		
DIN Rail – Heavy Duty	Not Required			Not Required			Not Required		
Other Accessories	Not Required			Not Required			Not Required		
Group Marking Carrier	V7-GM35		10	V7-GM35		10	V7-GM35		10
Marking Systems ②	Not Required			Not Required			Not Required		
Blank Tags (cards of 100)	V7-SM6X12		5	V7-SM6X12		5	V7-SM6X12		5
Pre-printed Tags (sticks of 10)	V7-MP ③		10	V7-MP ③		10	V7-MP ②		10
<b>Terminal Block Specifications</b>									
Approvals			IEC			IEC			IEC
Voltage Rating	~			~			~		
Maximum Current	Grounding			Grounding			Grounding		
Wire Range (Rated Cross Section)	#10... #4 AWG	#10... #4 AWG	16 mm <sup>2</sup>	#6... #1/0 AWG	#6... #1/0 AWG	35 mm <sup>2</sup>	#4... #2/0 AWG	#4... #2/0 AWG	70 mm <sup>2</sup>
Wire Strip Length	0.70" (18 mm)			0.83" (21 mm)			1.02" (26 mm)		
Recommended Tightening Torque	22.1 lb-in. (2.5 Nm)			44.3 lb-in. (5.0 Nm)			132 lb-in. (15 Nm)		
Density	23 pcs./ft (76/m)			16 pcs./ft (55/m)			13 pcs./ft (42/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

① Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.  
 ② Custom marking tags available. See page N2:8 for order form.  
 ③ Catalog number is not complete. See pages N2:6...N2:7.

**Two Level Grounding Block**

Ordering and Technical Information ①	4mm <sup>2</sup>	
		
	Two level grounding terminal block	
	Catalog Number	Pkg. Qty
Terminal - green/yellow	V7-WDG4C	50
<b>Accessories (also see pages N1:24...N1:29)</b>		
End Barrier	V7-EBD3-Y	50
End Anchors		
DIN Rail – Normal Duty	V7-EA35	50
DIN Rail – Heavy Duty	V7-EAH35	10
DIN Rail – Snap-in	V7-ER35	50
Jumpers		
Side Jumper - 10 pole insulated	V7-SJ6-10	10
Other Accessories		
Partition Plate	V7-PPD3	50
Group Marking Carrier	V7-GM35	10
Marking Systems ②		
Blank Tags (cards of 100)	V7-SM6X9	5
Pre-printed Tags (sticks of 10)	V7-MP ③	10
<b>Terminal Block Specifications</b>		
Approvals		
Voltage Rating	300V AC/DC	
Maximum Current	20A	
Wire Range (Rated Cross Section)	#22...12 AWG	
Wire Strip Length	0.39" (10mm)	
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)	
Density	50 pcs./ft (166/m)	
Insulation Temperature Range	-40°...+195°F (-40°...90°C)	
Mounting Rail	Fits all types shown on page N1:30	

**N1**

V7 Terminals

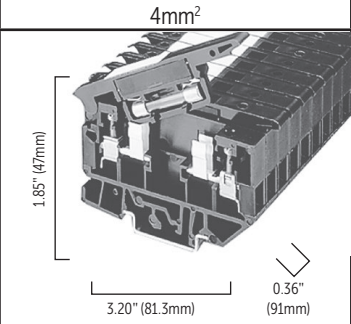
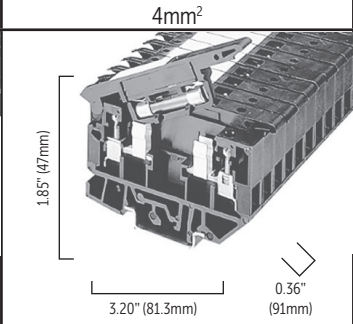
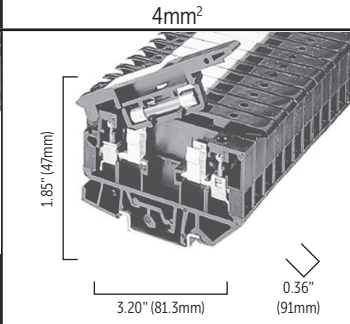






① Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.  
 ② Custom marking tags available. See page N2:8 for order form.  
 ③ Catalog number is not complete. See pages N2:6...N2:7.

**Fuse Blocks**

Ordering and Technical Information ①	4mm <sup>2</sup>		4mm <sup>2</sup>		4mm <sup>2</sup>				
	Single circuit fuse block		Single circuit fuse block with LED blown fuse indication		Single circuit fuse block with neon blown fuse indication				
Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty				
Terminal	V7-WFB4	50	V7-WFB424	50	V7-WFB4250	50			
Accessories (also see pages N1:24...N1:29)									
End Barrier	Not Required		Not Required		Not Required				
End Anchors									
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50			
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10			
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50			
Jumpers									
Side Jumper – 10-pole	V7-SJFB8-10	10	V7-SJFB8-10	10	V7-SJFB8-10	10			
Other Accessories									
Partition Plate	V7-PPSL3	50	V7-PPSL3	50	V7-PPSL3	50			
Group Marking Carrier	V7-GM35	10	V7-GM35	10	V7-GM35	10			
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM8X12	5	V7-SM8X12	5	V7-SM8X12	5			
For Handle	V7-SM6X9	5	V7-SM6X9	5	V7-SM6X9	5			
Pre-printed Tags (sticks of 10)	V7-MP ③	10	V7-MP ③	10	V7-MP ③	10			
Terminal Block Specifications									
Approvals			IEC			IEC			IEC
Voltage Rating	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	15 A	15 A	15 A ④	15 A	15 A	15 A ④	15 A	15 A	15 A ④
Wire Range (Rated Cross Section)	#22... #12 AWG	#22... #12 AWG	0.05...4 mm <sup>2</sup>	#22... #12 AWG	#22... #12 AWG	0.05...4 mm <sup>2</sup>	#22... #12 AWG	#22... #12 AWG	0.05...4 mm <sup>2</sup>
Indicator Type	Non-Indicating			LED			Neon		
Leakage Current	~			2mA @ 24V			1mA @ 264V AC		
Working Voltage	Per Fuse Rating			10...57V AC/DC			85...264V AC		
Fuse Size (Not Supplied)	5 x 20 mm			5 x 20 mm			5 x 20 mm		
Wire Strip Length	0.31" (8mm)			0.31" (8mm)			0.31" (8mm)		
Recommended Tightening Torque	5.0...5.6 lb.-in. (0.6 Nm)			5.0...5.6 lb.-in. (0.6 Nm)			5.0...5.6 lb.-in. (0.6 Nm)		
Density	38 pcs./ft (125/m)			38 pcs./ft (125/m)			38 pcs./ft (125/m)		
Insulation Temperature Range	-40°...+195°F (-40...+90° C)			-40°...+195°F (-40...+90° C)			-40°...+195°F (-40...+90° C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

① Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.  
 ② Custom marking tags available. See page N2:8 for order form.  
 ③ Catalog number is not complete. See pages N2:6...N2:7.  
 ④ IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

**Fuse Blocks**

Ordering and Technical Information ❶	 <p>4mm<sup>2</sup> 1.85" (47mm) 3.20" (81.3mm) 0.36" (91mm)</p>		 <p>4mm<sup>2</sup> 1.85" (47mm) 3.20" (81.3mm) 0.36" (91mm)</p>		 <p>4mm<sup>2</sup> 1.85" (47mm) 3.20" (81.3mm) 0.36" (91mm)</p>				
	Single circuit fusible terminal block with neon blown fuse indicator		Single circuit fusible terminal block with LED blown fuse indicator		Single circuit fusible terminal block without a blown fuse indicator				
	Terminal	V7-H4	Pkg. Qty	25	V7-H5	Pkg. Qty	25	V7-H6	Pkg. Qty
<b>Accessories (also see pages N1:24...N1:29)</b>									
End Barrier	V7-N37	50	V7-N37	50	V7-N37	50			
End Anchors									
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50			
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10			
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50			
Jumpers									
Side Jumper – 10-pole Uninsulated	V7-N49	10	V7-N49	10	V7-N49	10			
Side Jumper – Insulating Sleeve	V7-SJS	10	V7-SJS	10	V7-SJS	10			
Other Accessories									
Group Marking Carrier	V7-GM35	10	V7-GM35	10	V7-GM35	10			
Marking Systems ❷									
Blank Tags (cards of 100)	V7-SM8X12	5	V7-SM8X12	5	V7-SM8X12	5			
<b>Terminal Block Specifications</b>									
Approvals			IEC			IEC			IEC
Voltage Rating	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	12 A	12 A	12 A	12 A	12 A	12 A	12 A	12 A	12 A
Wire Range (Rated Cross Section)	#30... #12 AWG	#30... #12 AWG	0.05...2.5 mm <sup>2</sup>	#30... #12 AWG	#30... #12 AWG	0.05...4 mm <sup>2</sup>	#30... #12 AWG	#30... #12 AWG	0.05...4 mm <sup>2</sup>
Indicator Type	Neon			LED			Non-Indicating		
Leakage Current	2mA @ 300V			2mA @ 24V					
Working Voltage	100...300V AC/DC			10...57V AC/DC			Per Fuse Rating		
Fuse Size (Not Supplied)	1/4" x 1-1/4"			1/4" x 1-1/4"			1/4" x 1-1/4"		
Wire Strip Length	0.38" (9.7 mm)			0.38" (9.7 mm)			0.38" (9.7 mm)		
Recommended Tightening Torque	3...7 lb.-in. (0.3...0.8 Nm)			3...7 lb.-in. (0.3...0.8 Nm)			3...7 lb.-in. (0.3...0.8 Nm)		
Density	33 pcs./ft (109/m)			33 pcs./ft (109/m)			33 pcs./ft (109/m)		
Insulation Temperature Range	-40°...+221°F (-40...+105° C)			-40°...+221°F (-40...+105° C)			-40°...+221°F (-40...+105° C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

❶ Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.

❷ Custom marking tags available. See page N2:8 for order form.

**Fuse Blocks**

Ordering and Technical Information <sup>1</sup>	4mm <sup>2</sup>		4mm <sup>2</sup>	
	Single circuit fuse block		Single circuit fuse block	
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty
Terminal	V7-WFB10V	25	V7-WFB10VA	25
<b>Accessories (also see pages N1:24...N1:29)</b>				
End Barrier	V7-EBFB10V	50	V7-EBFB10V	50
End Anchors				
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50
Other Accessories				
Replacement Fuse Knob	V7-FCA	5	V7-FCA	5
Group Marking Carrier	V7-GM35	10	V7-GM35	10
Marking Systems <sup>2</sup>				
Blank Tags (cards of 100)	V7-SM6X12	5	V7-SM6X12	5
Pre-printed Tags (sticks of 10)	V7-MP <sup>3</sup>	10	V7-MP <sup>3</sup>	10
<b>Terminal Block Specifications</b>				
Approvals				
Voltage Rating	300V AC/DC		300V AC/DC	
Maximum Current	10 A		10 A	
Wire Range (Rated Cross Section)	#20...8 AWG		#20...8 AWG	
Indicator Type	Non-Indicating		Non-Indicating	
Leakage Current	~		~	
Working Voltage	Per Fuse Rating		Per Fuse Rating	
Fuse Size (Not Supplied)	5 x 20 mm		1/4 in. x 1-1/4 in. (6.3 x 32mm)	
Wire Strip Length	0.51" (13 mm)		0.51" (13 mm)	
Recommended Tightening Torque	13 lb-in. (1.5 Nm)		13 lb-in. (1.5 Nm)	
Density	23 pcs./ft (75/m)		23 pcs./ft (75/m)	
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)		-40°...+195°F (-40°...+90°C)	
Mounting Rail	Fits all types shown on page N1:30		Fits all types shown on page N1:30	

<sup>1</sup> Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.  
<sup>2</sup> Custom marking tags available. See page N2:8 for order form.  
<sup>3</sup> Catalog number is not complete. See pages N2:6...N2:7.

### Isolation Blocks

Ordering and Technical Information ❶	2.5mm <sup>2</sup>		2.5mm <sup>2</sup>		6mm <sup>2</sup>				
	1.35" (34.3mm) 1.88" (47.7mm) 0.20" (5mm)		1.35" (34.3mm) 1.88" (47.7mm) 0.20" (5mm)		2.11" (53.5mm) 2.95" (75mm) 0.35" (9mm)				
	Knife style isolating terminal block		Knife style isolating terminal block with test plug screws		Knife style isolating terminal block				
Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty				
Terminal - Gray	V7-WKD3 50	V7-WKD3TP 50	V7-WKD6 20						
Accessories (also see pages N1:24...N1:29)									
End Barrier	V7-EBKD3 50	V7-EBKD3 50	Not Required						
End Anchors									
DIN Rail – Normal Duty	V7-EA35 50	V7-EA35 50	V7-EA35 50						
DIN Rail – Heavy Duty	V7-EAH35 10	V7-EAH35 10	V7-EAH35 10						
DIN Rail – Snap-in	V7-ER35 50	V7-ER35 50	V7-ER35 50						
Jumpers									
Side jumper - 10-pole insulated	V7-SJ5-10 10	V7-SJ5-10 10							
Other Accessories									
Partition Plate	V7-PPSL3 50	V7-PPSL3 50							
Test Plug		V7-TP15 10							
Group Marking Carrier	V7-GM35 10	V7-GM35 10	V7-GM35 10						
Marking Systems ❷									
Blank Tags (cards of 100)	V7-SMSX9 5	V7-SMSX9 5	V7-SM6X12 5						
Pre-printed Tags (sticks of 10)	V7-MP5 ❸ 10	V7-MP5 ❸ 10	V7-MP5 ❸ 10						
Terminal Block Specifications									
Approvals			IEC			IEC			IEC
Voltage Rating	600V AC/DC	600V AC/DC	800V AC/DC	300V AC/DC	300V AC/DC	800V AC/DC	600V AC/DC	600V AC/DC	800V AC/DC
Maximum Current	15A	15A	15A	15A	15A	15A	30A	30A	32A
Wire Range (Rated Cross Section)	#22... #14 AWG	#22... #14 AWG	0.5...2.5 mm <sup>2</sup>	#22... #14 AWG	#22... #14 AWG	0.5...2.5 mm <sup>2</sup>	#18... #10 AWG	#18... #10 AWG	0.5...6 mm <sup>2</sup>
Wire Strip Length	0.35" (9 mm)			0.35" (9 mm)			0.55" (14 mm)		
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)			7.1 lb-in. (0.8 Nm)		
Density	61 pcs./ft (200/m)			61 pcs./ft (200/m)			33 pcs./ft (111/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		

❶ Refer to pages N24-29 for a listing of all V7-W accessories.  
 ❷ Custom marking tags available. See page N2:8 for order form.  
 ❸ Catalog number is not complete. See pages N2:6...N2:7.



Isolation Blocks

Ordering and Technical Information ①	4mm <sup>2</sup>		
	Handle style isolating terminal block		
	Catalog Number	Pkg. Qty	
Terminal - Black	V7-H7	25	
<b>Accessories (also see pages N1:24...N1:29)</b>			
End Barrier	V7-N37	50	
End Anchors			
DIN Rail – Normal Duty	V7-EA35	50	
DIN Rail – Heavy Duty	V7-EAH35	10	
DIN Rail – Snap-in	V7-ER35	50	
Jumpers			
Side Jumper - 10 pole Uninsulated	V7-N49	10	
Side Jumper - Insulating Sleeve	V7-SJS	10	
Other Accessories			
Group Marking Carrier	V7-GM35	10	
Marking Systems ②			
Blank Tags (cards of 100)	V7-SM8X12	5	
<b>Terminal Block Specifications</b>			
Approvals			IEC
Voltage Rating	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	15A	15A	15A
Wire Range (Rated Cross Section)	#30... 12 AWG	#30... 12 AWG	0.5...4 mm <sup>2</sup>
Wire Strip Length	0.38" (9.7mm)		
Recommended Tightening Torque	3...7 lb-in. (0.3...0.8 Nm)		
Density	33 pcs./ft (109/m)		
Insulation Temperature Range	-40°...+221°F (-40°...105°C)		
Mounting Rail	Fits all types shown on page N1:30		

① Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.

② Custom marking tags available. See page N2:8 for order form.

### Sensor Blocks

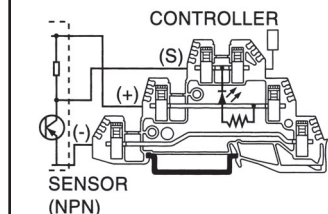
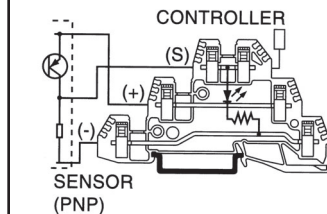
Ordering and Technical Information ①	2.5mm <sup>2</sup>		2.5mm <sup>2</sup>		2.5mm <sup>2</sup>	
	Three circuit terminal block		Three circuit terminal block with LED indicator for PNP devices		Three circuit terminal block with LED indicator for NPN devices	
Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	
Terminal - Gray	V7-WTF3 50	V7-WTF3LP ① 50	V7-WTF3LN ① 50			

### Accessories (also see pages N1:24...N1:29)

End Barrier	V7-EBTF3	50	V7-EBTF3	50	V7-EBTF3	50
End Anchors						
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50
Jumpers						
Side Jumper – 20-pole Insulated - Red	V7-SJT5-20-R	10	V7-SJT5-20-R	10	V7-SJT5-20-R	10
Side Jumper – 20-pole Insulated - Blue	V7-SJT5-20-B	10	V7-SJT5-20-B	10	V7-SJT5-20-B	10
Center Jumper – 50-pole	V7-CJT5-50	5	V7-CJT5-50	5	V7-CJT5-50	5
Center Jumper – 10-pole	V7-CJT5-10	10	V7-CJT5-10	10	V7-CJT5-10	10
Center Jumper Link	V7-CJL5	10	V7-CJL5	10	V7-CJL5	10
Other Accessories						
Partition Plate	V7-PPTS3	50	V7-PPTS3	50	V7-PPTS3	50
Test Plug Adaptor	V7-TA285	10	V7-TA285	10	V7-TA285	10
Electrical Warning Plate (1-pole)	V7-EWPS-4	10	V7-EWPS-4	10	V7-EWPS-4	10
Group Marking Carrier	V7-GM35	10	V7-GM35	10	V7-GM35	10
Marking Systems ②						
Blank Tags (cards of 100) ②	V7-SM5X9	5	V7-SM5X9	5	V7-SM5X9	5
Pre-printed Tags (sticks of 10)	V7-MP5 ③	10	V7-MP5 ③	10	V7-MP5 ③	10

### Terminal Block Specifications

Approvals	UL	UL	IEC	UL	UL	IEC	UL	UL	IEC
Voltage Rating	300V	300V	250V AC/DC	300V AC/DC	300V AC/DC	250V AC/DC	50V AC/DC	50V AC/DC	250V AC/DC
Maximum Current	10 A	10 A	24 A	10 A	10 A	24 A	10 A	10 A	24 A
Wire Range (Rated Cross Section)	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm <sup>2</sup>	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm <sup>2</sup>	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm <sup>2</sup>
Leakage Current	2.69mA @ 50V			2.69mA @ 50V			2.69mA @ 50V		
Wire Strip Length	0.31" (8 mm)			0.31" (8 mm)			0.31" (8 mm)		
Recommended Tightening Torque	4.2..4.6 lb-in. (0.5 Nm)			4.2..4.6 lb-in. (0.5 Nm)			4.2..4.6 lb-in. (0.5 Nm)		
Density	60 pcs./ft (197/m)			60 pcs./ft (197/m)			60 pcs./ft (197/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		
Wiring Diagram	See page N1:32								



- ① May require special order with minimum quantities.
- ② Custom marking tags available. See page N2:8 for order form.
- ③ Catalog number is not complete. See pages N2:6...N2:7.

**Sensor Blocks**

Ordering and Technical Information ❶									
	Three level sensor block		Three level sensor block LED indicator for PNP devices		Three level sensor block LED indicator for NPN devices				
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty			
Terminal - Gray	V7-WTS3 50	V7-WTS3LP ❶ 50	V7-WTS3LN ❶ 50						
<b>Accessories (also see pages N1:24...N1:29)</b>									
End Barrier	V7-EBTS3 50	V7-EBTS3 50	V7-EBTS3 50						
End Anchors									
DIN Rail – Normal Duty	V7-EA35 50	V7-EA35 50	V7-EA35 50						
DIN Rail – Heavy Duty	V7-EAH35 10	V7-EAH35 10	V7-EAH35 10						
DIN Rail – Snap-in	V7-ER35 50	V7-ER35 50	V7-ER35 50						
Jumpers									
Side Jumper – 20-pole Insulated - Red	V7-SJT5-20-R 10	V7-SJT5-20-R 10	V7-SJT5-20-R 10						
Side Jumper – 20-pole Insulated - Blue	V7-SJT5-20-B 10	V7-SJT5-20-B 10	V7-SJT5-20-B 10						
Center Jumper – 50-pole	V7-CJT5-50 5	V7-CJT5-50 5	V7-CJT5-50 5						
Center Jumper – 10-pole	V7-CJT5-10 10	V7-CJT5-10 10	V7-CJT5-10 10						
Center Jumper Link	V7-CJL5 10	V7-CJL5 10	V7-CJL5 10						
Other Accessories									
Partition Plate	V7-PPTS3 50	V7-PPTS3 50	V7-PPTS3 50						
Test Plug Adapter	V7-TA285 10	V7-TA285 10	V7-TA285 10						
Electrical Warning Plate (1-pole)	V7-EWP5-4 10	V7-EWP5-4 10	V7-EWP5-4 10						
Group Marking Carrier	V7-GM35 10	V7-GM35 10	V7-GM35 10						
Marking Systems ❷									
Blank Tags (cards of 100) ❸	V7-SM5X9 5	V7-SM5X9 5	V7-SM5X9 5						
Pre-printed Tags (sticks of 10)	V7-MP5 ❸ 10	V7-MP5 ❸ 10	V7-MP5 ❸ 10						
<b>Terminal Block Specifications</b>									
Approvals			IEC			IEC			IEC
Voltage Rating	300V	300V	250V AC/DC	300V AC/DC	300V AC/DC	250V AC/DC	300V AC/DC	300V AC/DC	250V AC/DC
Maximum Current	10 A	10 A	24 A	10 A	10 A	24 A	10 A	10 A	24 A
Wire Range (Rated Cross Section)	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm <sup>2</sup>	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm <sup>2</sup>	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm <sup>2</sup>
Leakage Current	2.69mA @ 50V			2.69mA @ 50V			2.69mA @ 50V		
Wire Strip Length	0.31" (8 mm)			0.31" (8 mm)			0.31" (8 mm)		
Recommended Tightening Torque	4.2...4.6 lb-in. (0.5 Nm)			4.2...4.6 lb-in. (0.5 Nm)			4.2...4.6 lb-in. (0.5 Nm)		
Density	60 pcs./ft (197/m)			60 pcs./ft (197/m)			60 pcs./ft (197/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		
Wiring Diagram	See page N1:32			See page N1:32			See page N1:32		

❶ May require special order with minimum quantities.  
 ❷ Custom marking tags available. See page N2:8 for order form.  
 ❸ Catalog number is not complete. See pages N2:6...N2:7.

**Plug-in Style Blocks**

Ordering and Technical Information <b>1</b>						
	Pluggable terminal block		Pluggable terminal block with test plug screws			
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty		
Terminal - Gray	V7-W4P	50	V7-W4PTP	50		
<b>Accessories (also see pages N1:24...N1:29)</b>						
Inserts						
Disconnect Plug	V7-DP4	50	V7-DP4 (shown)	50		
Component Plug	V7-CP4 <b>3</b> <b>5</b>	50	V7-CP4 <b>3</b>	50		
Fuse Plug	V7-FP4 <b>5</b> (shown)	50	V7-FP4 <b>4</b> <b>5</b>	50		
Fuse Plug w/LED Blown Fuse Indication	V7-FP424 <b>4</b> <b>5</b>	50	V7-FP424 <b>4</b> <b>5</b>	50		
Fuse Plug w/LED Blown Fuse Indication	V7-FP4250 <b>4</b> <b>5</b>	50	V7-FP4250 <b>4</b> <b>5</b>	50		
End Barrier	V7-EB3	50	V7-EB3	50		
End Anchors						
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50		
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10		
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50		
Jumpers						
Side Jumper – 10-pole Insulated	V7-SJ6-10	10	V7-SJ6-10	10		
Other Accessories						
Partition Plate	V7-PP3	50	V7-PP3	50		
Test Plug			V7-TP23	50		
Group Marking Carrier	V7-GM35	10	V7-GM35	10		
Marking Systems <b>6</b>						
Blank Tags (cards of 100)	V7-SM6X12	5	V7-SM6X12	5		
Pre-printed Tags (sticks of 10)	V7-MP <b>7</b>	10	V7-MP <b>7</b>	10		
<b>Terminal Block Specifications</b>						
Approvals	<b>UL</b>	<b>UL</b>	IEC	<b>UL</b>	<b>UL</b>	IEC
Voltage Rating	600V AC/DC	600V AC/DC	800V AC/DC	600V AC/DC	600V AC/DC	800V AC/DC
Maximum Current	20 A	20 A	32 A	20 A	20 A	32 A
Wire Range (Rated Cross Section)	#22... #12 AWG	#22... #12 AWG	0.5...2.5 mm <sup>2</sup>	#22... #12 AWG	#22... #12 AWG	0.5...2.5 mm <sup>2</sup>
Wire Strip Length	0.35" (9mm)			0.35" (9mm)		
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)		
Density	50 pcs./ft (166/m)			50 pcs./ft (166/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30		

**1** Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.  
**2** Overall height varies with plug-in component. For V7-DP4, use 2.5" (63.5 mm); for V7-CP4, use 2.9" (74 mm); and for V7-FP4..., use 3.1" (78 mm).  
**3** Maximum current and voltage rating of component plug is 0.5W @ 250V maximum current rating for the base terminal block is listed under Specifications.

**4** Maximum current and voltage ratings for the fuse plug are 10A and 250V. Maximum ratings for the base blocks are listed under Specifications.  
**5** See page N1:32 for Fuse Plug Specifications.  
**6** Custom marking tags available. See page N2:8 for order form.  
**7** Catalog number is not complete. See pages N2:6...N2:7.

**Multi-level Plug-in Style Blocks**

Ordering and Technical Information <sup>1</sup>	2.5mm <sup>2</sup>		2.5mm <sup>2</sup>			
	Two level terminal block with top level capable of accepting plug-in components and lower level acting as an independent feed-through circuit		Three level terminal block with top level capable of accepting plug-in components second level acting as an independent feed-through circuit, and third level acting as a grounding circuit			
	Catalog Number	Pkg. Qty	Catalog Number	Pkg. Qty		
Terminal - Gray	V7-WD4P	50	V7-WDG4P	50		
<b>Accessories (also see pages N1:24...N1:29)</b>						
<b>Inserts</b>						
Disconnect Plug	V7-DP4 (shown)	50	V7-DP4 (shown)	50		
Component Plug	V7-CP4 <sup>3</sup>	50	V7-CP4 <sup>3</sup>	50		
Fuse Plug	V7-FP4 <sup>4</sup> <sup>5</sup>	50	V7-FP4 <sup>4</sup> <sup>5</sup>	50		
Fuse Plug w/LED Blown Fuse Indication	V7-FP424 <sup>4</sup> <sup>6</sup>	50	V7-FP424 <sup>4</sup> <sup>6</sup>	50		
Fuse Plug w/LED Blown Fuse Indication	V7-FP4250 <sup>4</sup> <sup>6</sup>	50	V7-FP4250 <sup>4</sup> <sup>6</sup>	50		
<b>End Barrier</b>	V7-EBD4P	50	V7-EBD4P	50		
<b>End Anchors</b>						
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50		
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10		
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50		
<b>Jumpers</b>						
Side Jumper – 10-pole Insulated	V7-SJ6-10	10	V7-SJ6-10	10		
Center Jumper – 50-pole	V7-CJD6-50	5				
Center Jumper – 10-pole	V7-CJD6-10	10	V7-CJD6-10	10		
Center Jumper – 3-pole	V7-CJD6-3	10	V7-CJD6-3	10		
Center Jumper – 2-pole	V7-CJD6-2	10	V7-CJD6-2	10		
Center Jumper Link	V7-CJDL6	10	V7-CJDL6	10		
<b>Other Accessories</b>						
Test Plug	V7-TP28	10	V7-TP28	10		
Test Plug Adapter	V7-TA40	10	V7-TA40	10		
Group Marking Carrier	V7-GM35	10	V7-GM35	10		
<b>Marking Systems <sup>7</sup></b>						
Blank Tags (cards of 100)	V7-SM6X9	5	V7-SM6X9	5		
Pre-printed Tags (sticks of 10)	V7-MP <sup>7</sup>	10	V7-MP <sup>7</sup>	10		
<b>Terminal Block Specifications</b>						
Approvals			IEC			IEC
Voltage Rating	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	15 A	15 A	20 A	15 A	15 A	20 A
Wire Range (Rated Cross Section)	#22... #12 AWG	#22... #12 AWG	0.5...2.5 mm <sup>2</sup>	#22... #12 AWG	#22... #12 AWG	0.5...2.5 mm <sup>2</sup>
Wire Strip Length	0.31" (8mm)			0.31" (8mm)		
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)		
Density	50 pcs./ft (166/m)			50 pcs./ft (166/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30		

<sup>1</sup> Refer to pages N1:24...N1:29 for a listing of all V7-W accessories.

<sup>2</sup> Overall height varies with plug-in component. For V7-DP4, use 2.5" (63.5 mm); for V7-CP4, use 2.9" (74 mm); and for V7-FP4..., use 3.1" (78 mm).

<sup>3</sup> Maximum current and voltage rating of component plug is 1A @ 600V. Maximum current rating for the base terminal block is listed under Specifications.

<sup>4</sup> Maximum current and voltage ratings for the fuse plug are 10A and 250V. Maximum ratings for the base blocks are listed under Specifications.

<sup>5</sup> See page N1:32 for Fuse Plug Specifications.

<sup>6</sup> Custom marking tags available. See page N2:8 for order form.

<sup>7</sup> Catalog number is not complete. See pages N2:6...N2:7.

**Component Blocks**

Ordering and Technical Information ①	4mm <sup>2</sup>		4mm <sup>2</sup>		4mm <sup>2</sup>				
	Two level block with a commoning bar between the upper and lower levels, providing multiple outlets		Two level block with a diode in forward bias between the upper and lower levels		Two level block with a diode in reverse bias between the upper and lower levels				
	Terminal -	Gray	Terminal -	Gray	Terminal -	Gray			
Terminal -	Gray	V7-WD4C	50	V7-WD4DF ①	1	V7-WD4DR ①	1		
<b>Accessories (also see pages N1:24 - N1:29)</b>									
End Barrier	V7-EBD3	50	V7-EBD3	50	V7-EBD3	50			
End Anchors									
DIN Rail – Normal Duty	V7-EA35	50	V7-EA35	50	V7-EA35	50			
DIN Rail – Heavy Duty	V7-EAH35	10	V7-EAH35	10	V7-EAH35	10			
DIN Rail – Snap-in	V7-ER35	50	V7-ER35	50	V7-ER35	50			
Jumpers									
Side Jumper – 10-pole Insulated	V7-SJ6-10	10	V7-SJ6-10	10	V7-SJ6-10	10			
Center Jumper – 50-pole	V7-CJD6-50	5	V7-CJD6-50	5	V7-CJD6-50	5			
Center Jumper – 10-pole	V7-CJD6-10	10	V7-CJD6-10	10	V7-CJD6-10	10			
Center Jumper – 3-pole	V7-CJD6-3	10	V7-CJD6-3	10	V7-CJD6-3	10			
Center Jumper – 2-pole	V7-CJD6-2	10	V7-CJD6-2	10	V7-CJD6-2	10			
Center Jumper Link	V7-CJDL6	10	V7-CJDL6	10	V7-CJDL6	10			
Other Accessories									
Partition Plate	V7-PPD3	50	V7-PPD3	50	V7-PPD3	50			
Separation Plate	V7-SPD3	10	V7-SPD3	10	V7-SPD3	10			
Test Plug	V7-TP28	10	V7-TP28	10	V7-TP28	10			
Test Plug Adapter	V7-TA40	10	V7-TA40	10	V7-TA40	10			
Group Marking Carrier	V7-GM35	10	V7-GM35	10	V7-GM35	10			
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM6X9	5	V7-SM6X9	5	V7-SM6X9	5			
Pre-printed Tags (sticks of 10)	V7-MP ③	10	V7-MP ③	10	V7-MP ③	10			
<b>Terminal Block Specifications</b>									
Approvals			IEC			IEC			IEC
Voltage Rating	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC	300V AC/DC	300V AC/DC	500V AC/DC
Maximum Current	20 A	20 A	32 A	1 A (Diode)	1 A (Diode)	1 A (Diode)	1 A (Diode)	1 A (Diode)	1 A (Diode)
Wire Range (Rated Cross Section)	#22... #12 AWG	#22... #12 AWG	0.05...4 mm <sup>2</sup>	#22... #12 AWG	#22... #12 AWG	0.05...4 mm <sup>2</sup>	#22... #12 AWG	#22... #12 AWG	0.05...4 mm <sup>2</sup>
Working Voltage				Diode 1N4007 ④			Diode 1N4007 ④		
Wire Strip Length	0.39" (10mm)			0.39" (10mm)			0.39" (10mm)		
Recommended Tightening Torque	5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)			5.0...5.6 lb-in. (0.6 Nm)		
Density	50 pcs./ft (166/m)			50 pcs./ft (166/m)			50 pcs./ft (166/m)		
Insulation Temperature Range	-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)			-40°...+195°F (-40°...+90°C)		
Mounting Rail	Fits all types shown on page N1:30			Fits all types shown on page N1:30			Fits all types shown on page N1:30		
Schematics									
<b>Diode Block</b>									
Uses a 1N4007 diode between the upper and lower levels for insertion into a control circuit. This block is useful in low voltage DC control circuits for directioning and suppression.									

① May require special order with minimum quantities.

② Custom marking tags available. See page N2:8 for order form.

③ Catalog number is not complete. See pages N2:6...N2:7.

④ See page N1:31 for Component Specifications.


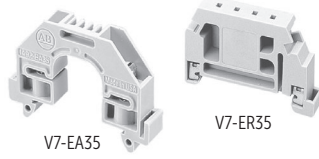
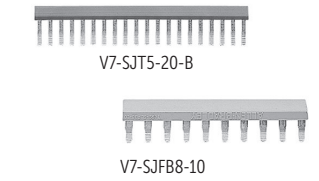

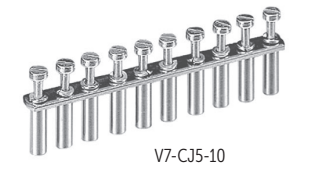
**Thermocouple Blocks ①**

Ordering and Technical Information ①	2.5mm <sup>2</sup>	
	Two-pole thermocouple block	
		Catalog Number
		Pkg. Qty
Current Bar Material		
<b>Pos. Leg / Neg. Leg</b>	<b>Trade Name</b>	
NiCr / CuNi	Chromel / Constantan	V7-WTC3E
Ir / CuNi	Iron / Constantan	V7-WTC3J
Cu / CuNi	Copper / Constantan	V7-WTC3T
<b>Accessories (also see pages N1:24 - N1:29)</b>		
End Barrier		V7-EB3
End Anchors		
DIN Rail – Normal Duty		V7-EA35
DIN Rail – Heavy Duty		V7-EAH35
DIN Rail – Snap-in		V7-ER35
Other Accessories		
Partition Plate		V7-PP3
Group Marking Carrier		V7-GM35
Marking Systems ②		
Blank Tags (cards of 100) ②		V7-SM5X9
Pre-printed Tags (sticks of 10)		V7-MP5 ③
<b>Terminal Block Specifications</b>		
Approvals		
Wire Range (Rated Cross Section)		0.28...#14 AWG 0.2...2.5 mm <sup>2</sup>
Wire Strip Length		0.35" (10mm)
Recommended Tightening Torque		5.0...5.6 lb-in. (0.6 Nm)
Density		30 pcs./ft (100/m)
Insulation Temperature Range		-40°...+195°F (-40°...105°C)
Mounting Rail		Fits all types shown on page N1:30

① May require special order with minimum quantities.  
 ② Custom marking tags available. See page N2:8 for order form.  
 ③ Catalog number is not complete. See pages N2:6...N2:7.







#### Accessories

Ordering Instructions:						pg. N1:5	pg. N1:5	pg. N1:5	pg. N1:6	pg. N1:6	
1. Identify accessory required.						-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through	
2. Identify terminal block along top of table.											
3. Use matrix to determine which Accessory Type to order.											
Component	Description	Type	Catalog Number	Std. Pkg.							
 <p>V7-EB3      V7-EB35</p> <p>V7-N37</p>	<b>End Barrier</b> Provides insulation for the last terminal block in a group. Gray unless noted.		V7-EB10	50			■	■			
		(shown)	V7-EB3	50	■	■					
			V7-EB3TW	50							
		(shown)	V7-EB35	25							
			V7-EBD3	50							
		yellow	V7-EBD3-Y	50							
			V7-EBD6	50							
			V7-EBD4P	50							
			V7-EBKD3	50							
			V7-EBR3	50							
			V7-EBTF3	50							
		(shown)	V7-EBTS3	50							
		yellow	V7-N37	50							
yellow	V7-EB10-Y	50									
yellow	V7-EB3-Y	50									
	V7-EBFB10V	50									
 <p>V7-EA35      V7-ER35</p>	<b>End Anchor (Screw type)</b> Anchors a row of blocks or a single block	Standard (shown)	V7-EA35	50	■	■	■	■	■		
		Heavy Duty	V7-EAH35	10	■	■	■	■	■		
		Snap In (shown)	V7-ER35	50	■	■	■	■	■		
 <p>V7-SJT5-20-B</p> <p>V7-SJFB8-10</p>	<b>Side Jumpers</b> Insulated, fit in wire openings of blocks		V7-SJ5-10	10	■						
			V7-SJ6-10	10		■					
			V7-SJ8-10	10					■		
		(shown)	V7-SJFB8-10	10							
		Blue	V7-SJT5-20-B	10							
		Red	V7-SJT5-20-R	10							
	Non-insulated	V7-N49	10								
 <p>V7-SJS</p>	<b>Insulating Side Jumper Sleeve</b> For use with catalog # V7-N49		V7-SJS	10							
			Replacement Fuse Knob	V7-FCM	50						
 <p>V7-CJ5-10</p>	<b>Center Jumpers</b> Uninsulated, screw into threaded hole in center of block  (See page N28 for more Center Jumpers)	2 pole	V7-CJ5-2	10	■						
		3 pole	V7-CJ5-3	10	■						
		10 pole	V7-CJ5-10	10	■						
		50 pole	V7-CJ5-50	5	■						
		2 pole	V7-CJ6-2	10		■					
		3 pole	V7-CJ6-3	10		■					
		10 pole	V7-CJ6-10	10		■					
50 pole	V7-CJ6-50	5		■							

Note: For full line of marking accessories see the Marking Section beginning on page N2:5.





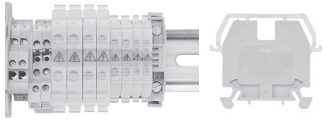
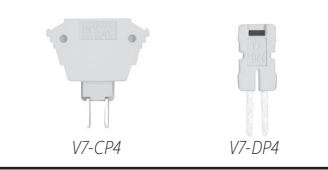

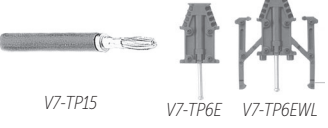


#### Accessories (Continued)

Component	Description	Type	Catalog Number	Std. Pkg.	pg. N1:5				
					-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through
	Center Jumpers Uninsulated, screw into threaded hole in center of block	2 pole	V7-CJ7-2	10			■		
		3 pole	V7-CJ7-3	10			■		
		10 pole	V7-CJ7-10	10			■		
		40 pole	V7-CJ7-40	5			■		
		2 pole	V7-CJ8-2	10				■	
		3 pole	V7-CJ8-3	10				■	
		10 pole	V7-CJ8-10	10				■	
		40 pole	V7-CJ8-40	5				■	
		2 pole	V7-CJS11-2	10					■
		3 pole	V7-CJS11-3	10					■
		10 pole	V7-CJS11-10	10					■
		2 pole	V7-CJ14-2	10					
		3 pole	V7-CJ14-3	10					
		2 pole	V7-CJD5-2	10					
		3 pole	V7-CJD5-3	10					
		10 pole	V7-CJD5-10	10					
		50 pole	V7-CJD5-50	5					
		2 pole	V7-CJD6-2	10					
		3 pole	V7-CJD6-3	10					
		10 pole	V7-CJD6-10	10					
50 pole	V7-CJD6-50	5							
10 pole	V7-CJT5-10	10							
50 pole	V7-CJT5-50	10							
	Center Jumper Links Joins two Center Jumpers		V7-CJL5	10	■				
			V7-CJL6	10		■			
			V7-CJL7	10			■		
			V7-CJL8	10				■	
			V7-CJDL6	10					■
 <p>V7-CJCW5</p>	Center Jumper Covers		V7-CJCW5	20	■				
			V7-CJCW6	20		■	■	■	
			V7-CJCW14	10					
	Screwdriver - Specially designed for the screws on V7-W3, W4 & W6 terminals		V7-SCRDRV1	1	■	■	■		

Note: For full line of marking accessories see the Marking Section beginning on page N2:5.




Accessories (Continued)

Ordering Instructions: 1. Identify accessory required. 2. Identify terminal block along top of table. 3. Use matrix to determine which Accessory Type to order.	Component	Description	Type	Catalog Number	Std. Pkg.	-W3 Through pg. N1:5	-W4 Through pg. N1:5	-W6 Through pg. N1:5	-W10 Through pg. N1:6	-W16S Through pg. N1:6
 <p>V7-PP35      V7-PPD3</p>	Partition Plates Provides visual and electrical spacing between adjacent jumpers			V7-PP10	50			■	■	■
				V7-PP3	50	■	■			
		(shown)		V7-PP35	25					
		(shown)		V7-PPD3	50					
		Mini		V7-PPSL3	50					
		Mini		V7-PPTS3	50					
 <p>V7-SP3      V7-SPD3</p>	Separation Plate Thin, flexible plastic insulation plate provides visual and electrical isolation between adjacent center jumpers	(shown)		V7-SP3	50	■	■			
		(shown)		V7-SPD3	50					
	Electrical Warning Plates			V7-EWP5-4	10	■				
				V7-EWP6-4	10		■			
				V7-EWP7-4	10			■		
				V7-EWP8-4	10				■	
 <p>V7-CP4      V7-DP4</p>	Component Plugs Holds customer supplied diode or resistor  Disconnect Plug No load isolator			V7-CP4	50					
				V7-DP4	50					
	Fuse Plugs Holds 5x20 fuse		W/O BFI	V7-FP4	50					
			W/ 24V BFI LED	V7-FP424	50					
			W/ 240V BFI LED	V7-FP4250	50					
 <p>V7-TP15      V7-TP6E      V7-TP6EWL</p>	Test Plugs Wire is soldered directly to plug	(shown)		V7-TP15	10					
				V7-TP23	10					
				V7-TP28	10			■	■	■
		(shown)		V7-TP6E	10			■		
		(shown)		V7-TP6EWL	10			■		
 <p>V7-TA40      V7-TA285</p>	Test Plugs Adapters Accepts Banana Plug	(shown)		V7-TA285	10	■				
				V7-TA40	10		■	■	■	
	Group Marker Carrier Used for separating and identifying groups of terminals, snap-on, markable			V7-GM35	10	■	■	■	■	■

Note: For full line of marking accessories see the Marking Section beginning on page N2:5.



**Mounting Rails**

Item	Description	Catalog Number
	DIN-rail - 2 meter lengths (≈6' 6") • Top Hat, low profile (price per rail) • Top Hat, high profile (price per rail)	3F 3AF

**Multiple Wire Connection Combinations - Stranded Copper Conductors of the Same Cross-section**

Catalog Number	Wire Size AWG (mm <sup>2</sup> )																	
	#22	#20 (0.5)	#18 (0.75)	#16 (1.5)	#14 (2.5)	#12 (4)	#10 (6)	#8 (10)	#6 (16)	#4 (25)	#2 (35)	#1 (40)	1/0 (50)	2/0 (70)	3/0 (80)	300MCM (150)	500MCM (250)	
	Number of same size wires per panel																	
V7-H4,-H5,-H6,-H7	4	4	3	2	2	1												
V7-W4	4	4	3	2	2	1	1											
V7-W4P	4	4	3	2	2	1												
V7-W4PTP	4	4	3	2	2	1												
V7-W6	4	4	3	2	2	1	1											
V7-W10	4	4	4	4	3	2	1	1										
V7-W16S					4	3	2	2	1	1								
V7-W35 ①					3	3	3	2	2	1	1	1	1					
V7-W70 ①					5	5	5	2	2	2	2	1	1	1	1			
V7-WD6 ①			3	2	2	1	1											
V7-WD4DF	4	4	3	2	2	1												
V7-WD4DR	4	4	3	2	2	1												
V7-WD4P	4	4	3	2	2	1												
V7-WD4PTP	4	4	3	2	2	1												
V7-WDG4C	4	4	3	2	2	1												
V7-WDG4P..	4	4	3	2	2	1												
V7-WFB10V(A)								1										
V7-WFB4	4	4	3	2	2	1												
V7-WG4	4	4	3	2	1	1												
V7-WG6	4	4	3	2	2	1	1	1										
V7-WG10S ①	4	4	4	4	3	2	1	1										
V7-WG16 ①							2	1	1	1								
V7-WG35 ①									2	1	1	1	1					
V7-WG70										2	1	1	1	1				
V7-WKD3TP	4	4	3	2	1													
V7-WKD6 ①			3	2	2	1	1											
V7-W3TW	4	4	3	2	1													
V7-WTF3, -WTS3 ②	4	4	3	2	1													
V7-W3, -WD3, -WKD3, -WR3	4	4	3	2	1													
V7-WD4, -WD4C	4	4	3	2	2	1												

- ① For multiple wire combinations consult factory for latest wire combination information.
- ② V7-WTF... & V7-WTS... blocks have been tested for 4 - #26 and #24 AWG wires.
- ③ These products have a maximum European wire size of 2.5 mm<sup>2</sup>, yet they are UL Listed for #12 AWG wire.



### Additional Technical Information for Tie Point, Diode, and Resistor Terminal Blocks



**ATTENTION:** The total current flow through these terminal blocks (the sum of all inputs or the sum of all outputs) must not exceed the rated current for the device.

Tie Point Terminal Blocks – Type WD4C		
Description	Type	Rating
Maximum Total Current Flow Through the Terminal Block	WD4C	10 A
Maximum Working Voltage	WD4C	300 V
Operating Ambient Temperature Range	All	-4...+104°F (-20...+40°C)
Standard Resistance Range	A	-40...+167°F (-40...+75°C)

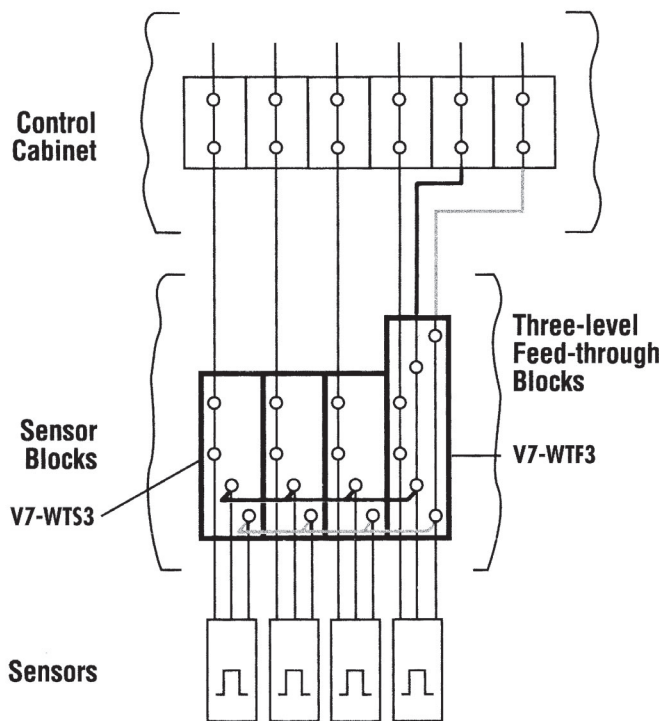
Diode Terminal Blocks – Types WD4DF and WD4DR			
Description	Symbol	Type	Rating
Peak Repetitive Reverse Voltage	V (RRM)		
Working Peak Reverse Voltage	V (RWM)	WD4DF, WD4DR	300V
DC Blocking Voltage	V (R)		
Non-Repetitive Peak Reverse Voltage (Half wave, single phase, 60 Hz)	V (RSM)	WD4DF, WD4DR	300V
RMS Reverse Voltage <sup>❶</sup>	V (Rrms)	WD4DF, WD4DR	300V
Average Rectified Forward Current Single Phase, Resistive Load, 60 Hz	I (O)	All	1.0 A
Non-Repetitive Peak Surge Current (Surge applied at rated load)	I (FSM)	All	30 A (1 cycle)
Maximum Forward Voltage Drop [I (F) = 1.0 A]	V (F)	All	1.1 V
Maximum Reverse Current	I (R)	All	10 µA
Operating Ambient Temperature Range	T (A)	All	-4...+104°F (-20...+40°C)
Storage Temperature Range	T (S)	All	-40...+167°F (-40...+75°C)

**NOTE:** All parameters measured at 77°F (25°C)

❶ The maximum voltage rating of the diode terminal blocks listed in this table should not be exceeded even though the maximum reverse voltage rating of the diode alone is 1000V.

Fuse Plugs ①			
Characteristic	Catalog Number		
	V7-FP4	V7-FP424	V7-FP4250
Indicator Type	Non-Indicating	LED	LED
Leakage Current	~	2 mA @ 24 V	1 mA @ 264 V
Working Voltage	Per Fuse Rating	10...57V AC/DC	85...264V AC
Fuse Size (Not Supplied)	5 x 20 mm	5 x 20 mm	5 x 20 mm


**Sensor Block Wiring Diagram**



① Maximum current rating for the fuse plug is 10 A @ 250 V. IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

## Regulatory Approvals

Terminal block products have been designed to meet the requirements of one or more regulatory bodies. Most products have also been tested per additional standards. The following is a listing of some of the regulatory bodies and standards which apply to terminal block products. See the particular product description for information on specific approvals and ratings.

 (Underwriters Laboratories) – Devices in this catalog with one of these ratings have been tested by Underwriters Laboratories and meet the requirements of one or more of the following United States Standards:

- UL 457 – Grounding and Bonding Equipment
- UL 486E – Equipment Wiring Terminals for Use With Aluminum and/or Copper Conductors
- UL 1059 – Standard for Terminal Blocks

*Reference UL file E195677*

 (Underwriters Laboratories) – Devices in this catalog with this rating have been tested by Underwriters Laboratories and meet the requirements of the following Canadian Standard:


- CSA 22.2 No. 158 – Terminal Blocks

*Reference UL file E195677*

 (Canadian Standards Association) – Devices in this catalog with this rating have been tested by the Canadian Standards Association and meet the requirements of the following Canadian Standard:

- CSA 22.2 No. 158 – Terminal Blocks

*Reference CSA files 205830 and 206918*

 Terminal blocks listed in this catalog (with the exception of the V7-WTC3E, -WTC3J, and -WTC3T) meet the requirements of the Low Voltage Directive put forth by the European Union. Devices have been tested and comply with one or more of the following European Norms:

- EN 50947-1 – Low Voltage Switchgear and Controlgear: General Rules
- EN 60947-7-1 – Low Voltage Switchgear and Controlgear: Terminal Blocks for Copper Conductors
- EN 60947-7-2 – Low Voltage Switchgear and Controlgear: Protective Conductor Terminal Blocks for Copper Conductors

**IEC** (International Electrotechnical Commission) – Devices listed in this catalog with “IEC” ratings meet the requirements of one or more of the following standards:

- IEC 60947-1 – Low Voltage Switchgear and Controlgear: General Rules
- IEC 60947-7-1 – Low Voltage Switchgear and Controlgear. Part 7: Ancillary Equipment, Section 1: Terminal Blocks for Copper Conductors
- IEC 60947-7-2 – Low Voltage Switchgear and Controlgear. Part 7: Ancillary Equipment, Section 2: Protective Conductor Terminal Blocks for Copper Conductors

**Ex e ll** – Devices listed in this catalog with an “Ex e ll” rating meet the following Canadian Standards per Underwriters Laboratories:

- E79-0-95 – Electrical Apparatus for Explosive Atmospheres – Part 0 – General Requirements
- E79-7-95 – Electrical Apparatus for Explosive Atmospheres – Part 7 – Increased Safety “e”

These products are suitable for Class I, Zone 1 Hazardous Locations. Reference UL file E195676

**AEx e ll** Devices listed in this catalog with an “AEx e ll” rating meet the following United States Standard per Underwriters Laboratories:

- UL 2279 – Standard for Electrical Equipment for Use in Class I, Zone 0, 1, and 2 Hazardous (Classified) Locations

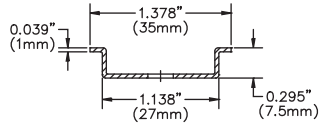
These products are suitable for Class I, Zone 1 Hazardous Locations. Reference UL file E195676

V7 Terminal Approvals

Catalog Number	UL Approvals								CSA Certifications	
	Terminal Block - Component			Terminal Blocks - For Use in Hazardous Locations			Grounding and Bonding Equipment-Component		Terminal Blocks	
	UR	cUR	File No.	UR	cUR	File No.	UR	File No.	CSA	File No.
	(XCFR2)	(XCFR8)		(XCIB2)	(XCIB8)		(KDER2)		(622801)	
V7-... H4	X		E195677						X	206918
H5	X		E195677						X	206918
H6	X		E195677						X	206918
H7	X		E195677						X	206918
W10	X		E195677	X	X	E195676			X	206918
W16S	X		E195677	X	X	E195676			X	206918
W3	X		E195677	X	X	E195676			X	206918
W35	X	X	E195677	X	X	E195676			X	205830
W3TW	X		E195677	X	X	E195676			X	206918
W4	X		E195677	X	X	E195676			X	206918
W4P	X		E195677						X	206918
W4PTP	X		E195677						X	206918
W6	X		E195677	X	X	E195676			X	206918
W70	X	X	E195677	X	X	E195676			X	205830
WD3	X		E195677	X	X	E195676			X	206918
WD4	X		E195677	X	X	E195676			X	206918
WD4C	X		E195677	X	X	E195676			X	206918
WD4DF	X		E195677						X	206918
WD4DR	X		E195677						X	206918
WD4P	X		E195677						X	206918
WD6	X	X	E195677						X	205830
WDG4P	X		E195677						X	206918
WDG4C	X	X	E195677							
WFB4	X		E195677						X	206918
WFB424	X		E195677						X	206918
WFB4250	X		E195677						X	206918
WFB10V	X	X	E195677							
WFB10VA	X	X	E195677							
WG10	X	X	E195677	X	X	E195676	X	E195567		
WG16	X	X	E195677	X	X	E195676	X	E195567	X	205830
WG35	X	X	E195677	X	X	E195676	X	E195567	X	205830
WG4	X		E195677	X	X	E195676			X	206918
WG6	X		E195677	X	X	E195676			X	206918
WG70	X	X	E195677							
WKD3	X		E195677						X	206918
WKD3TP	X		E195677						X	206918
WKD6	X	X	E195677						X	205830
WR3	X		E195677						X	206918
WTF3	X		E195677						X	206918
WTF3LN	X		E195677						X	206918
WTF3LP	X		E195677						X	206918
WTS3	X		E195677						X	206918
WTS3LN	X		E195677						X	206918
WTS3LP	X		E195677						X	206918

**3F Top Hat Low Profile DIN Rail**

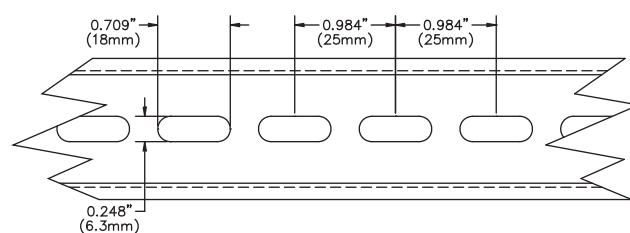
Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



FRONT SECTION

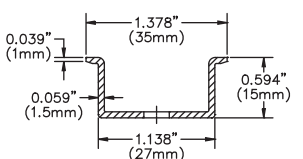


RIGHT SIDE VIEW



BASE PERFORATION

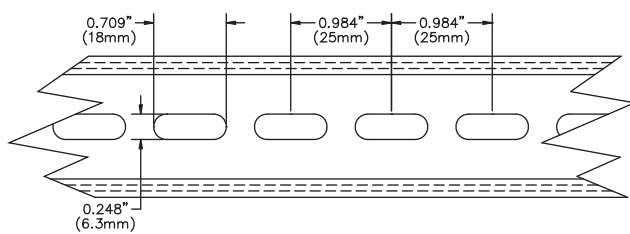
**3AF Top Hat High Profile DIN Rail**



FRONT SECTION



RIGHT SIDE VIEW



BASE PERFORATION

**N1**

V7 Terminals

**End Anchors**

V7-EA35

V7-EAH3

V7-ER35

**Partition Plates**

V7-PP35

Catalog #	A	B	C
V7-PP3	1.85" (47 mm)	1.57" (40 mm)	0.06" (1.5 mm)
V7-PP10	2.17" (55 mm)	1.81" (46 mm)	0.06" (1.5 mm)
V7-PPSL3	2.20" (56 mm)	1.54" (39 mm)	0.08" (2 mm)

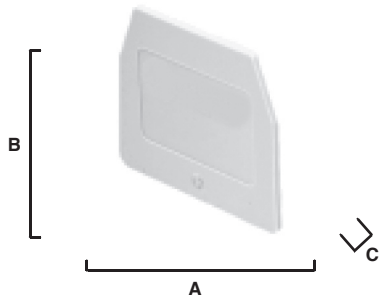
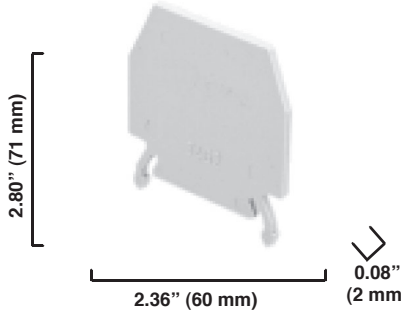
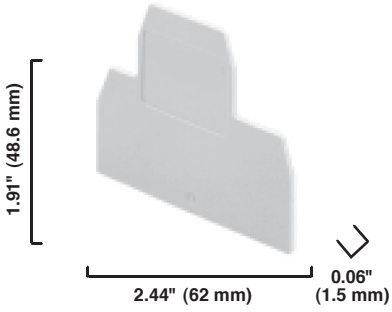
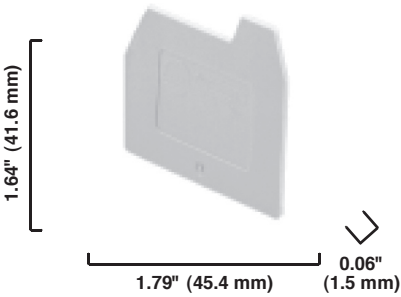
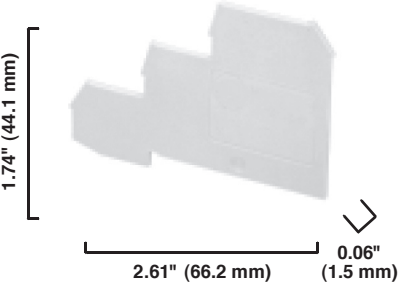
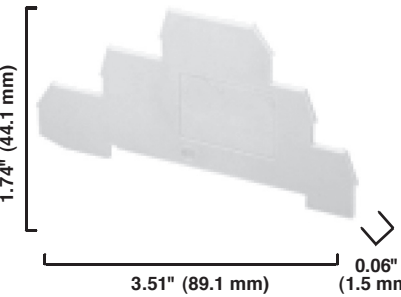



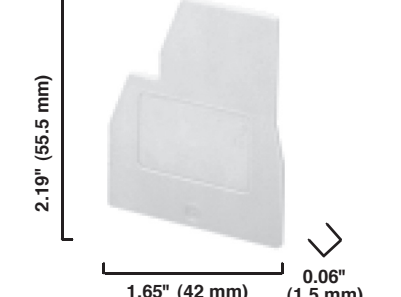
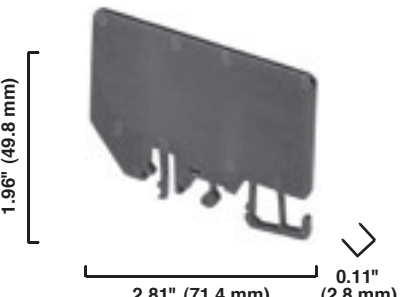
Catalog #	A	B	C
V7-PPD3	2.82" (71.6 mm)	2.09" (53.2 mm)	0.08" (2 mm)
V7-PPD6	3.31" (84 mm)	2.72" (69 mm)	0.08" (2 mm)

V7-PPTS3

V7-SP3

V7-SPD3

**End Barriers**

 <table border="1" data-bbox="162 636 586 766"> <thead> <tr> <th>Catalog #</th> <th>A</th> <th>B</th> <th>C</th> </tr> </thead> <tbody> <tr> <td>V7-EB3</td> <td>1.46"</td> <td>1.38"</td> <td>0.06"</td> </tr> <tr> <td>V7-EB3-Y</td> <td>(37 mm)</td> <td>(35 mm)</td> <td>(1.5 mm)</td> </tr> <tr> <td>V7-EB10</td> <td>1.77"</td> <td>1.61"</td> <td>0.06"</td> </tr> <tr> <td>V7-EB10-Y</td> <td>(45 mm)</td> <td>(41 mm)</td> <td>(1.5 mm)</td> </tr> </tbody> </table>	Catalog #	A	B	C	V7-EB3	1.46"	1.38"	0.06"	V7-EB3-Y	(37 mm)	(35 mm)	(1.5 mm)	V7-EB10	1.77"	1.61"	0.06"	V7-EB10-Y	(45 mm)	(41 mm)	(1.5 mm)	 <p data-bbox="800 657 867 680">V7-EB35</p>	 <p data-bbox="1252 657 1338 680">V7-EBD3/Y</p>
Catalog #	A	B	C																			
V7-EB3	1.46"	1.38"	0.06"																			
V7-EB3-Y	(37 mm)	(35 mm)	(1.5 mm)																			
V7-EB10	1.77"	1.61"	0.06"																			
V7-EB10-Y	(45 mm)	(41 mm)	(1.5 mm)																			
 <p data-bbox="332 1115 418 1138">V7-EB3TW</p>	 <p data-bbox="800 1115 867 1138">V7-EBTS3</p>	 <p data-bbox="1252 1115 1338 1138">V7-EBTF3</p>																				
 <p data-bbox="332 1524 418 1547">V7-EBKD3</p>	 <p data-bbox="800 1524 867 1547">V7-EBD4P</p>	 <p data-bbox="1252 1524 1338 1547">V7-EBD6</p>																				
 <p data-bbox="332 1902 418 1925">V7-EBR3</p>	 <p data-bbox="800 1902 867 1925">V7-N37</p>																					