

Series V7-W Terminals

A comprehensive selection of rugged connections



Sprecher + Schuh's new 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 (0.5mm² to 70mm² 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

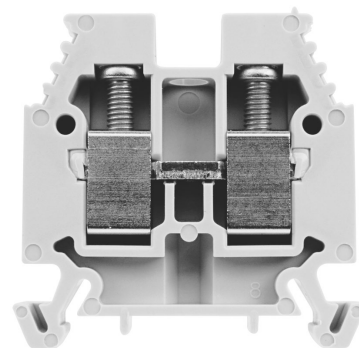
Aside from the broad selection of standard feed-through terminals, many special terminals are also part of the new V7-W line, including:

- 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 strong stainless steel screws, the wire is secured between a recessed contact



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

pad and serrated current bar. This corrosion-resistant clamping mechanism provides excellent performance in the most demanding industrial conditions.



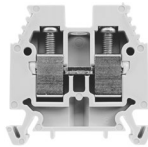
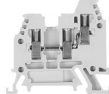
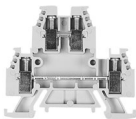
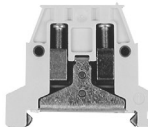
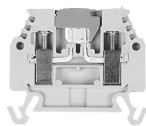
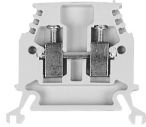
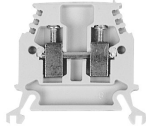
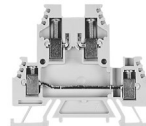
Superior insulation and protection features

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.

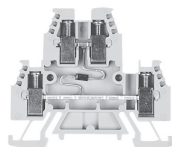
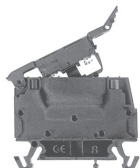
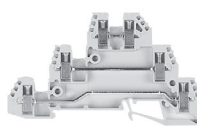
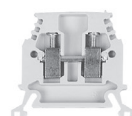
International approvals

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.

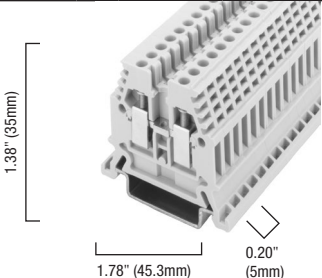
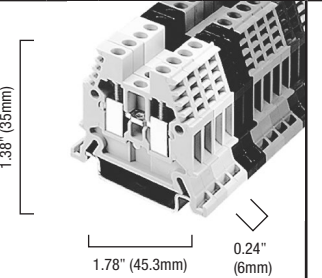
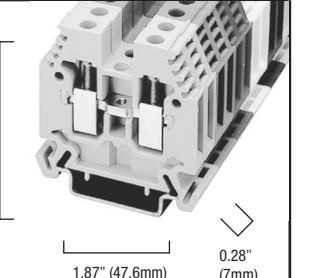
Quick Selection Guide (refer to page indicated for complete information and detailed pricing)

Terminal	Description	Type	Overall Term. Width	Cross-sec. [mm²]	Catalog Number	See Page...
Through Terminals						
	Standard Feed-Through Blocks Provides one straight-through circuit for wire sizes up to 70 mm².	Color: gray (other colors available)	5	2.5	V7-W3	N5
			6	4	V7-W4	N5
			7	6	V7-W6	N5
			8	10	V7-W10	N6
			11	16	V7-W16S	N6
			14	35	V7-W35	N7
			23	70	V7-W70	N7
  	Specialty Feed-Through Blocks Provides one straight-through circuit with 3 wire terminals.	Color: gray (other colors available)	5	2.5	V7-W3TW	N9
	Return Terminals Single circuit terminal block with terminals on common side.	Color: gray	5	2.5	V7-WR3	N9
	Two Level Terminals	Color: gray	5	2.5	V7-WD3	N8
			6	4	V7-WD4	N8
7			6	V7-WD6	N8	
Ground Terminals						
	Grounding Terminals	Color: green / yellow	6	4	V7-WG4	N10
			7	6	V7-WG6	N10
			8	10	V7-WG10S	N10
			13	16	V7-WG16	N11
			18	35	V7-WG35	N11
			22	70	V7-WG70	N11
			6	2.5	V7-WDG4C	N12
Isolation and Plug-in Style Blocks						
	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	N16
			5	2.5	V7-WKD3TP	N16
			9	6	V7-WKD6	N16
	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	N17
		Plug-in Style Block Accepts plugs listed on opposite page.	without insert	6	2.5	V7-W4P
without insert, with test plug screws			6	2.5	V7-W4PTP	N20
	Two & Three Level Plug-in Style Terminal Blocks - Accepts plugs listed on opposite page.	two level, without insert	6	2.5	V7-WD4P	N21
		three level, without insert, with ground	6	2.5	V7-WDG4P	N21

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

Terminal	Description	Type	Overall Term. Width	Cross-sec. [mm²]	Catalog Number	See Page...
Isolation and Plug-in Style Blocks <i>(continued)</i>						
Inserts for V7-W4P— Order Separately						
	Disconnect Plug				V7-DP4	N28
	Component Plug				V7-CP4	N28
	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	N28
Two Level Component Terminals						
	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	N22
Fusible Terminals						
	Fuse Terminals (fuses not supplied)	5 x 20 mm, without indication	8	4	V7-WFB4	N13
		5 x 20 mm, without indication	8	4	V7-WFB10V	N15
		5 x 20 mm, with LED	8	4	V7-WFB424	N13
		5 x 20 mm, with neon lamp	8	4	V7-WFB4250	N13
		6.3 x 32 mm, without indication	9	4	V7-H6	N14
		6.3 x 32 mm, without indication	9	4	V7-WFB10VA	N15
		6.3 x 32 mm, with LED	9	4	V7-H5	N14
		6.3 x 32 mm, with neon lamp	9	4	V7-H4	N14
Sensor Terminals						
	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	N18 N18 N18
	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	N19 N19 N19
Thermocouple Terminals						
	Thermocouple Terminals	Chromel / Constantan Iron / Constantan Chromel / Alumel Copper / Constantan	10 10 10 10	2.5 2.5 2.5 2.5	V7-WTC3E V7-WTC3J V7-WTC3K V7-WTC3T	N23 N23 N23 N23

Standard Feed-Through Blocks ①

Ordering and Technical Information ①	2.5mm ²			4mm ²			6mm ²		
									
	Single circuit terminal block			Single circuit terminal block			Single circuit terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray Red Blue Black Green Yellow Orange White Brown	V7-W3	2.70	50	V7-W4	3.10	50	V7-W6	3.25	50
	V7-W3-RE	2.85	50	V7-W4-RE	3.25	50	V7-W6-RE	3.50	50
	V7-W3-B	2.85	50	V7-W4-B	3.25	50	V7-W6-B	3.50	50
	V7-W3-BL	2.85	50	V7-W4-BL	3.25	50	V7-W6-BL	3.50	50
	V7-W3-G	2.85	50	V7-W4-G	3.25	50	V7-W6-G	3.50	50
	V7-W3-Y	2.85	50	V7-W4-Y	3.25	50	V7-W6-Y	3.50	50
	V7-W3-OR	2.85	50	V7-W4-OR	3.25	50	V7-W6-OR	3.50	50
	V7-W3-W	2.85	50	V7-W4-W	3.25	50	V7-W6-W	3.50	50
	V7-W3-BR	2.85	50	V7-W4-BR	3.25	50	V7-W6-BR	3.50	50
Accessories (also see pages N26 to N31)									
End Barrier	V7-EB3	1.20	50	V7-EB3	1.20	50	V7-EB10	1.20	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 10-pole Insulated	V7-SJ5-10	3.60	10	V7-SJ6-10	4.45	10	V7-CJ7-40 (40 pole)	37.00	5
Center Jumper — 50-pole	V7-CJ5-50	42.00	5	V7-CJ6-50	37.00	5	V7-CJ7-10	11.00	10
Center Jumper — 10-pole	V7-CJ5-10	8.90	10	V7-CJ6-10	9.40	10	V7-CJ7-3	4.10	10
Center Jumper — 3-pole	V7-CJ5-3	3.30	10	V7-CJ6-3	3.50	10	V7-CJ7-2	2.90	10
Center Jumper — 2-pole	V7-CJ5-2	2.25	10	V7-CJ6-2	2.40	10	V7-CJ7-1	1.35	10
Center Jumper Link	V7-CJL5	1.35	10	V7-CJL6	1.35	10	V7-CJL7	1.35	10
Center Jumper Cover — White	V7-CJCW5 ②	5.30	20	V7-CJCW6	5.30	20	V7-CJCW6	5.30	20
Other Accessories									
Partition Plate	V7-PP3	1.50	50	V7-PP3	1.50	50	V7-PP10	1.80	50
Separation Plate	V7-SP3	.90	50	V7-SP3	.90	50	V7-TP28	8.90	10
Test Plug				V7-TP28	8.90	10			
Test Plug				V7-TP6E	13.00	10			
Test Plug				V7-TP6EWL	13.00	10			
Test Plug Adapter	V7-TA285	17.75	10	V7-TA40	17.75	10	V7-TA40	17.75	10
Electrical Warning Plate (1-pole)	V7-EWP5	2.25	10	V7-EWP5	2.25	10	V7-EWP7	2.25	10
Screwdriver ③	V7-SCRDRV1	16.50	1	V7-SCRDRV1	16.50	1	V7-SCRDRV1	16.50	1
Marking Systems ④									
Blank Tags (cards of 100)	V7-SM5X9	12.00	5	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5
	V7-SM5X12	12.00	5						
Pre-printed Tags (sticks of 10)	V7-MP5 ⑤	2.70	10	V7-MP ⑤	2.70	10	V7-MP ⑤	2.70	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 ²	#22...#10 AWG	#22...#10 AWG	0.5...4mm ²	#22...#10 AWG	#22...#10 AWG	0.5...6mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

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 N45 for full offering.

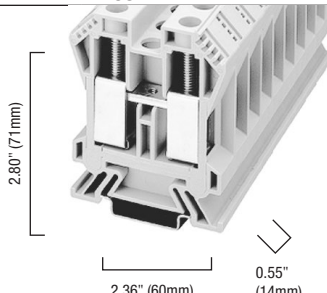
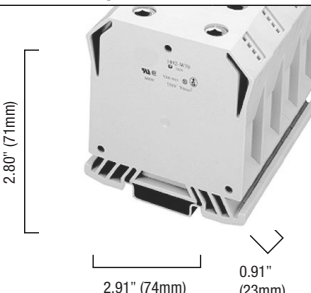
⑤ Catalog number is not complete. See pages N42...N43.

Standard Feed-Through Blocks ①

Ordering and Technical Information ①	10mm ²			16mm ²		
	Single circuit terminal block			Single circuit terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray Red Blue Black Green Yellow Orange White Brown	V7-W10	4.00	50	V7-W16S	6.90	50
	V7-W10-RE	4.10	50	V7-W16S-RE	7.20	50
	V7-W10-B	4.10	50	V7-W16S-B	7.20	50
	V7-W10-BL	4.10	50	V7-W16S-BL	7.20	50
	V7-W10-G	4.10	50	V7-W16S-G	7.20	50
	V7-W10-Y	4.10	50	V7-W16S-Y	7.20	50
	V7-W10-OR	4.10	50	V7-W16S-OR	7.20	50
	V7-W10-W	4.10	50	V7-W16S-W	7.20	50
	V7-W10-BR	4.10	50	V7-W16S-BR	7.20	50
Accessories (also see pages N26 to N31)						
End Barrier	V7-EB10	1.20	50	V7-EB10	1.20	50
End Anchors						
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers						
Side Jumper — 10-pole Insulated	V7-SJ8-10	8.40	10	V7-CJS11-10 V7-CJS11-3 V7-CJS11-2	23.75 7.10 5.30	10 10 10
Center Jumper — 40-pole	V7-CJ8-40	42.00	5			
Center Jumper — 10-pole	V7-CJ8-10	12.20	10			
Center Jumper — 3-pole	V7-CJ8-3	4.10	10			
Center Jumper — 2-pole	V7-CJ8-2	3.10	10			
Center Jumper Link	V7-CJL8	1.35	10			
Center Jumper Cover — White ②	V7-CJCW6	5.30	20			
Other Accessories						
Partition Plate	V7-PP10	1.80	50	V7-PP10	1.80	50
Test Plug	V7-TP28	8.90	10			
Test Plug Adapter	V7-TA40	17.75	10			
Electrical Warning Plate (1-pole)	V7-EWP8	3.00	10			
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	1
Marking Systems ③						
Blank Tags (cards of 100)	V7-SM8X12	12.00	5	V7-SM6X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ④	2.70	10	V7-MP ④	2.70	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...10 mm ²	#14... #4 AWG	#14... #4 AWG	2.5...16 mm ²
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 N32			Fits all types shown on page N32		

- 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 N45 for full offering.
 ④ Catalog number is not complete. See pages N42...N43.

Standard Feed-Through Blocks ❶

Ordering and Technical Information ❶	35mm ²			70mm ²		
						
	Single circuit terminal block			Single circuit terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray Blue	V7-W35	15	10	V7-W70	44	5
	V7-W35-B	16	10	V7-W70-B	44	5
Accessories (also see pages N26 to N31)						
End Barrier	V7-EB35	2.25	25	Not Required		
End Anchors						
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EAH35	7.00	10
DIN Rail — Heavy Duty	V7-EAH35	7.00	10			
DIN Rail — Snap-in	V7-ER35	1.80	50			
Jumpers						
Center Jumper — 3-pole	V7-CJ14-3	8.70	10			
Center Jumper — 2-pole	V7-CJ14-2	5.80	10			
Other Accessories						
Partition Plate	V7-PP35	2.50	25	V7-GM35	3.60	10
Group Marking Carrier	V7-GM35	3.60	10			
Marking Systems ❷						
Blank Tags (cards of 100)	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ❸	2.70	10	V7-MP ❸	2.70	10
Terminal Block Specifications						
Approvals	UL	UL	IEC	UL	UL	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 ²	#4... #3/0 AWG	#4... #3/0 AWG	4...70 mm ²
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 N32			Fits all types shown on page N32		

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

❷ Custom marking tags available. See page N45 for full offering.

❸ Catalog number is not complete. See pages N42...N43.

Specialty Feed-Through Blocks

Ordering and Technical Information ①	2.5mm ²			4mm ²			6mm ²		
	Two circuit terminal block			Two circuit terminal block			Two circuit terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray Blue	V7-WD3	6.50	50	V7-WD4 V7-WD4-B ①	6.00 6.20	50 50	V7-WD6	11.50	20
Accessories (also see pages N26 to N31)									
End Barrier	V7-EBD3	1.95	50	V7-EBD3	1.95	50	V7-EBD6	2.25	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 10-pole	V7-SJ5-10	3.60	10	V7-SJ6-10	4.45	10			
Center Jumper — 50-pole	V7-CJD5-50	42.00	5	V7-CJD6-50	37.00	5			
Center Jumper — 40-pole							V7-CJ7-40	37.00	5
Center Jumper — 10-pole	V7-CJD5-10	10.00	10	V7-CJD6-10	9.40	10	V7-CJ7-10	11.00	10
Center Jumper — 3-pole	V7-CJD5-3	3.80	10	V7-CJD6-3	3.50	10	V7-CJ7-3	4.10	10
Center Jumper — 2-pole	V7-CJD5-2	2.60	10	V7-CJD6-2	2.40	10	V7-CJ7-2	2.90	10
Center Jumper Link	V7-CJL5	1.35	10	V7-CJDL6	1.35	10	V7-CJL7	1.35	10
Other Accessories									
Partition Plate	V7-PPD3	2.25	50	V7-PPD3	2.25	50	V7-PPD6	2.25	50
Separation Plate	V7-SPD3	.90	50	V7-SPD3	.90	50			
Test Plug				V7-TP28	8.90	10	V7-TP28	8.90	10
Test Plug Adapter	V7-TA285	17.75	10	V7-TA40	17.75	10	V7-TA40	17.75	10
Electrical Warning Plate (1-pole)	V7-EWP5	2.25	10	V7-EWP6	2.25	10	V7-EWP7	2.25	10
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	5
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM5X9	12.00	5	V7-SM6X9	12.00	5	V7-SM6X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP5 ③	2.70	10	V7-MP ③	2.70	10	V7-MP ③	2.70	10
Terminal Block Specifications									
Approvals			IEC			IEC			IEC
Voltage Rating	300V	300V	500V	300V	300V	500V	300V	300V	550V
	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	AC/DC	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 ²	#22... #12 AWG	#22... #10 AWG	0.5...4 4mm ²	#18... #8 AWG	#18... #8 AWG	0.5...6 mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

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

② Custom marking tags available. See page N45 for full offering.

③ Catalog number is not complete. See pages N42...N43.

Specialty Feed-Through Blocks ①

Ordering and Technical Information ①	2.5mm ²			2.5mm ²		
	Single circuit three conductor terminal block			Single circuit terminal block with terminals on common side.		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-W3TW	4.70	50	V7-WR3	4.70	50
Blue	V7-W3TW-B	4.90	50			
Accessories (also see pages N26 to N31)						
End Barrier	V7-EB3TW	1.35	50	V7-EBR3	1.35	50
End Anchors						
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers						
Side Jumper — 10-pole Insulated	V7-SJ5-10 ②	3.60	10	V7-SJ5-10	3.60	10
Center Jumper — 50-pole	V7-CJ5-50	42.00	5	V7-CJD5-50	42.00	5
Center Jumper — 10-pole	V7-CJ5-10	8.90	10	V7-CJD5-10	10.00	10
Center Jumper — 3-pole	V7-CJ5-3	3.30	10	V7-CJD5-3	3.80	10
Center Jumper — 2-pole	V7-CJ5-2	2.25	10	V7-CJD5-2	2.60	10
Center Jumper Link	V7-CJL5	1.35	10	V7-CJL5	1.35	10
Center Jumper Cover — White ③	V7-CJCW5	5.30	20	V7-CJCW5	5.30	20
Other Accessories						
Partition Plate	V7-PP10	1.80	50	V7-EBR3	1.35	50
Test Plug Adapter	V7-TA285	17.75	10	VZ-TA285	17.75	10
Electrical Warning Plate (1-pole)	V7-EWP5	2.25	10	VZ-EWP5	2.25	10
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ④						
Blank Tags (cards of 100)	V7-SM5X9	12.00	5	V7-SM5X9	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP5 ⑤	2.70	10	V7-MP5 ⑤	2.70	10
Terminal Block Specifications						
Approvals	UL	UL	IEC	UL	UL	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 ²	#22... #14 AWG	#22... #14 AWG	0.5...2.5 mm ²
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 N32			Fits all types shown on page N32		

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

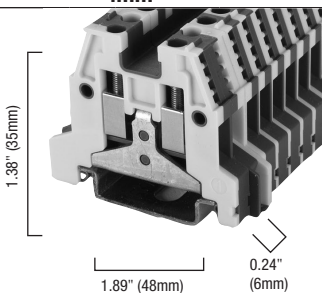
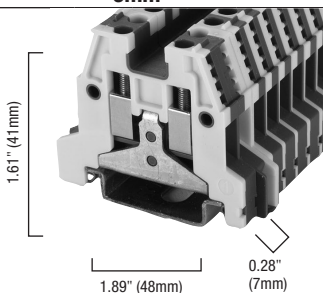
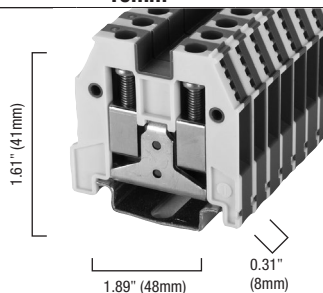
② Use side jumpers on the single conductor side only.

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

④ Custom marking tags available. See page N45 for full offering.

⑤ Catalog number is not complete. See pages N42...N43.

Grounding Blocks

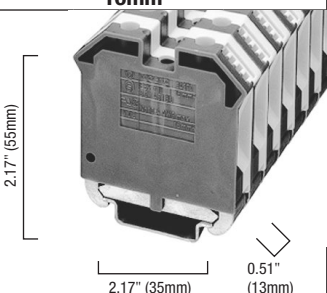
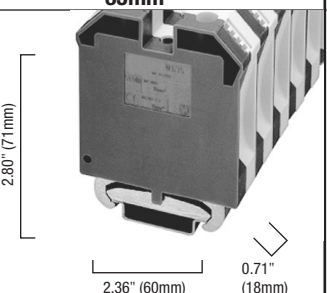
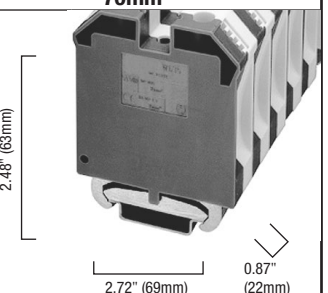
Ordering and Technical Information ①	4mm ²			6mm ²			10mm ²		
									
	Single circuit grounding terminal block			Single circuit grounding terminal block			Single circuit grounding terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - green/yellow	V7-WG4	9.00	50	V7-WG6	9.50	50	V7-WG10S	11.50	10
Accessories (also see pages N26 to N31)									
End Barrier	V7-EB3-Y	1.95	50	V7-EB10-Y	1.50	50	V7-EB10-Y	1.50	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Other Accessories									
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5	V7-SM8X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ③	2.70	10	V7-MP ③	2.70	10			
Terminal Block Specifications									
Approvals			IEC			IEC			IEC
Voltage Rating	~	~	~	~	~	~	~	~	~
Maximum Current	Grounding			Grounding			Grounding		
Wire Range (Rated Cross Section)	#22... #14 AWG	#22... #12 AWG	4 mm ²	#22... #10 AWG	#22... #10 AWG	6 mm ²	#22... #8 AWG	#22... #8 AWG	10 mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

① Refer to pages N24...N29 for a listing of all V7-W accessories.

② Custom marking tags available. See page N45 for full offering.

③ Catalog number is not complete. See pages N42...N43.

Grounding Blocks

Ordering and Technical Information ①	16mm ²			35mm ²			70mm ²		
									
	Single circuit grounding terminal block			Single circuit grounding terminal block			Single circuit grounding terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - green/yellow	V7-WG16	16.00	10	V7-WG35	21.25	10	V7-WG70	50.00	5
Accessories (also see pages N26 to N31)									
End Barrier	Not Required			Not Required			Not Required		
End Anchors									
DIN Rail — Normal Duty	Not Required			Not Required			Not Required		
DIN Rail — Heavy Duty	Not Required			Not Required			Not Required		
Other Accessories									
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ③	2.70	10	V7-MP ③	2.70	10	V7-MP ③	2.70	10
Terminal Block Specifications									
Approvals			IEC			IEC			IEC
Voltage Rating	~	~	~	~	~	~	~	~	~
Maximum Current	Grounding			Grounding			Grounding		
Wire Range (Rated Cross Section)	#10... #4 AWG	#10... #4 AWG	16 mm ²	#6... #1/0 AWG	#6... #1/0 AWG	35 mm ²	#4... #2/0 AWG	#4... #2/0 AWG	70 mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

① Refer to pages N24...N29 for a listing of all V7-W accessories.

② Custom marking tags available. See page N45 for full offering.

③ Catalog number is not complete. See pages N42...N43.

Two Level Grounding Block

Ordering and Technical Information 1	4mm² 1.92" (48.8mm) 2.95" (75mm) 0.24" (6mm) Two level grounding terminal block			
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	
	Terminal - green/yellow	V7-WDG4C	11.50	50
	Accessories (also see pages N26 to N31)			
End Barrier	V7-EBD3-Y	1.95	50	
End Anchors				
DIN Rail — Normal Duty	V7-EA35	1.75	50	
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	
DIN Rail — Snap-in	V7-ER35	1.80	50	
Jumpers				
Side Jumper - 10 pole insulated	V7-SJ6-10	4.45	10	
Other Accessories				
Partition Plate	V7-PPD3	2.25	50	
Group Marking Carrier	V7-GM35	3.60	10	
Marking Systems 2				
Blank Tags (cards of 100)	V7-SM6X9	12.00	5	
Pre-printed Tags (sticks of 10)	V7-MP 3	2.70	10	
Terminal Block Specifications				
Approvals	cULus	IEC		
Voltage Rating	300V AC/DC	500V AC/DC		
Maximum Current	20A	32A		
Wire Range (Rated Cross Section)	#22...12 AWG	0.05...4mm ²		
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 N32			

1 Refer to pages N24...N29 for a listing of all V7-W accessories.

2 Custom marking tags available. See page N45 for full offering.

3 Catalog number is not complete. See pages N42...N43.

Fuse Blocks

Ordering and Technical Information ①	4mm ²			4mm ²			4mm ²		
	Single circuit fuse block			Single circuit fuse block with LED blown fuse indication			Single circuit fuse block with neon blown fuse indication		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal	V7-WFB4	14.00	50	V7-WFB424	26.25	50	V7-WFB4250	26.25	50
Accessories (also see pages N26 - N31)									
End Barrier	Not Required			Not Required			Not Required		
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 10-pole	V7-SJFB8-10	8.40	10	V7-SJFB8-10	8.40	10	V7-SJFB8-10	8.40	10
Other Accessories									
Partition Plate	V7-PPSL3	1.95	50	V7-PPSL3	1.95	50	V7-PPSL3	1.95	50
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM8X12	12.00	5	V7-SM8X12	12.00	5	V7-SM8X12	12.00	5
For Handle	V7-SM6X9	12.00	5	V7-SM6X9	12.00	5	V7-SM6X9	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ③	2.70	10	V7-MP ③	2.70	10	V7-MP ③	2.70	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 ²	#22... #12 AWG	#22... #12 AWG	0.05...4 mm ²	#22... #12 AWG	#22... #12 AWG	0.05...4 mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

- ① Refer to pages N24...N29 for a listing of all V7-W accessories.
 ② Custom marking tags available. See page N45 for full offering.
 ③ Catalog number is not complete. See pages N42...N43.
 ④ IEC standards for 5 x 20 mm fuses do not include ratings above 6.3 A.

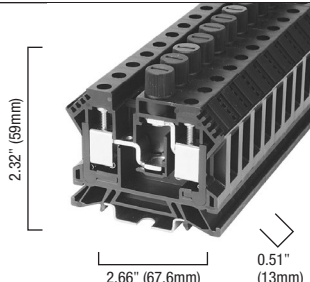
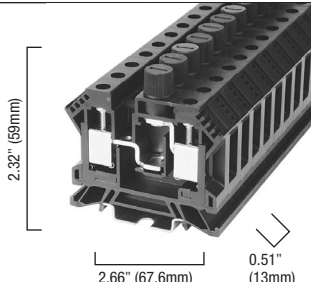
Fuse Blocks

Ordering and Technical Information ①	4mm ²			4mm ²			4mm ²		
	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		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal	V7-H4	19.00	25	V7-H5	26.25	25	V7-H6	14.00	25
Accessories (also see pages N26 - N31)									
End Barrier	V7-N37	1.50	50	V7-N37	1.50	50	V7-N37	1.50	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 10-pole Uninsulated	V7-N49	6.10	10	V7-N49	6.10	10	V7-N49	6.10	10
Side Jumper — Insulating Sleeve	V7-SJS	2.70	10	V7-SJS	2.70	10	V7-SJS	2.70	10
Other Accessories									
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM8X12	12.00	5	V7-SM8X12	12.00	5	V7-SM8X12	12.00	5
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	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 ²	#30... #12 AWG	#30... #12 AWG	0.05...4 mm ²	#30... #12 AWG	#30... #12 AWG	0.05...4 mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

① Refer to pages N24...N29 for a listing of all V7-W accessories.

② Custom marking tags available. See page N45 for full offering.

Fuse Blocks

Ordering and Technical Information ❶	4mm ²			4mm ²		
						
	Single circuit fuse block			Single circuit fuse block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal	V7-WFB10V	16.75	25	V7-WFB10VA	16.75	25
Accessories (also see pages N26 to N31)						
End Barrier	V7-EBFB10V	1.95	50	V7-EBFB10V	1.95	50
End Anchors	V7-EA35	1.75	50	V7-EA35	1.75	50
	V7-EAH35	7.00	10	V7-EAH35	7.00	10
	V7-ER35	1.80	50	V7-ER35	1.80	50
	V7-ER35	1.80	50	V7-ER35	1.80	50
Other Accessories	V7-FCA	5.25	5	V7-FCA	5.25	5
	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ❷	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5
	V7-MP ❸	2.70	10	V7-MP ❸	2.70	10
	V7-MP ❸	2.70	10	V7-MP ❸	2.70	10
Terminal Block Specifications						
Approvals	cULus	IEC		cULus	IEC	
Voltage Rating	300V	250V		300V	250V	
	AC/DC	AC/DC		AC/DC	AC/DC	
Maximum Current	10 A	10 A		10 A	10 A	
Wire Range (Rated Cross Section)	#20...8 AWG	10mm ²		#20...8 AWG	10mm ²	
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 N32			Fits all types shown on page N32		

❶ Refer to pages N24...N29 for a listing of all V7-W accessories.

❷ Custom marking tags available. See page N45 for full offering.

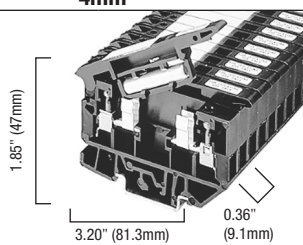
❸ Catalog number is not complete. See pages N42...N43.

Isolation Blocks

Ordering and Technical Information ❶	2.5mm ²			2.5mm ²			6mm ²		
	Knife style isolating terminal block			Knife style isolating terminal block with test plug screws			Knife style isolating terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-WKD3	7.90	50	V7-WKD3TP	9.70	50	V7-WKD6	21.25	20
Accessories (also see pages N26 to N31)									
End Barrier	V7-EBKD3	1.20	50	V7-EBKD3	1.20	50	Not Required		
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side jumper - 10-pole insulated	V7-SJ5-10	3.60	10	V7-SJ5-10	3.60	10			
Other Accessories									
Partition Plate	V7-PPSL3	1.95	50	V7-PPSL3	1.95	50			
Test Plug				V7-TP15	17.75	10			
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ❷									
Blank Tags (cards of 100)	V7-SM5X9	12.00	5	V7-SM5X9	12.00	5	V7-SM6X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP5 ❸	2.70	10	V7-MP5 ❸	2.70	10	V7-MP5 ❸	2.70	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 ²	#22... #14 AWG	#22... #14 AWG	0.5...2.5 mm ²	#18... #10 AWG	#18... #10 AWG	0.5...6 mm ²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		

❶ Refer to pages N24-29 for a listing of all V7-W accessories.
 ❷ Custom marking tags available. See page N45 for full offering.
 ❸ Catalog number is not complete. See pages N42...N43.

Isolation Blocks

Ordering and Technical Information 1			
	Handle style isolating terminal block		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Black	V7-H7	15.25	25
Accessories (also see pages N26 to N31)			
End Barrier	V7-N37	1.50	50
End Anchors			
DIN Rail — Normal Duty	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50
Jumpers			
Side Jumper - 10 pole Uninsulated	V7-N49	6.10	10
Side Jumper - Insulating Sleeve	V7-SJS	2.70	10
Other Accessories			
Group Marking Carrier	V7-GM35	3.60	10
Marking Systems 2			
Blank Tags (cards of 100)	V7-SM8X12	12.00	5
Terminal Block Specifications			
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 mm²
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 N32		

1 Refer to pages N24-29 for a listing of all V7-W accessories.

2 Custom marking tags available. See page N45 for full offering.

Sensor Blocks

Ordering and Technical Information ❶	2.5mm ²			2.5mm ²			2.5mm ²		
	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	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-WTF3	9.90	50	V7-WTF3LP ❶	20.50	50	V7-WTF3LN ❶	20.50	50
Accessories (also see pages N26 - N31)									
End Barrier	V7-EBTF3	1.95	50	V7-EBTF3	1.95	50	V7-EBTF3	1.95	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 20-pole Insulated - Red	V7-SJT5-20-R	10.50	10	V7-SJT5-20-R	10.50	10	V7-SJT5-20-R	10.50	10
Side Jumper — 20-pole Insulated - Blue	V7-SJT5-20-B	10.50	10	V7-SJT5-20-B	10.50	10	V7-SJT5-20-B	10.50	10
Center Jumper — 50-pole	V7-CJT5-50	42.00	5	V7-CJT5-50	42.00	5	V7-CJT5-50	42.00	5
Center Jumper — 10-pole	V7-CJT5-10	10.00	10	V7-CJT5-10	10.00	10	V7-CJT5-10	10.00	10
Center Jumper Link	V7-CJL5	1.35	10	V7-CJL5	1.35	10	V7-CJL5	1.35	10
Other Accessories									
Partition Plate	V7-PPTS3	1.25	50	V7-PPTS3	1.25	50	V7-PPTS3	1.25	50
Test Plug Adaptor	V7-TA285	17.75	10	V7-TA285	17.75	10	V7-TA285	17.75	10
Electrical Warning Plate (1-pole)	V7-EWP5	2.25	10	V7-EWP5	2.25	10	V7-EWP5	2.25	10
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ❷									
Blank Tags (cards of 100) ❷	V7-SM5X9	12.00	5	V7-SM5X9	12.00	5	V7-SM5X9	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP5 ❸	2.70	10	V7-MP5 ❸	2.70	10	V7-MP5 ❸	2.70	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 ²	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm ²	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm ²
Leakage Current				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 N32			Fits all types shown on page N32			Fits all types shown on page N32		
Wiring Diagram	See page N35								

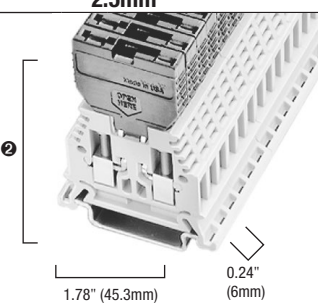
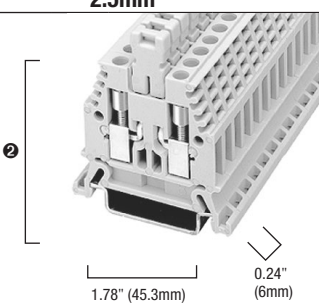
- ❶ May require special order with minimum quantities.
 ❷ Custom marking tags available. See page N45 for full offering.
 ❸ Catalog number is not complete. See pages N42...N43.

Sensor Blocks

Ordering and Technical Information ①	2.5mm ²			2.5mm ²			2.5mm ²		
	Three level sensor block			Three level sensor block LED indicator for PNP devices			Three level sensor block LED indicator for NPN devices		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-WTS3	9.40	50	V7-WTS3LP ①	20.00	50	V7-WTS3LN ①	20.50	50
Accessories (also see pages N26 - N31)									
End Barrier	V7-EBTS3	1.95	50	V7-EBTS3	1.95	50	V7-EBTS3	1.95	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 20-pole Insulated - Red	V7-SJT5-20-R	10.50	10	V7-SJT5-20-R	10.50	10	V7-SJT5-20-R	10.50	10
Side Jumper — 20-pole Insulated - Blue	V7-SJT5-20-B	10.50	10	V7-SJT5-20-B	10.50	10	V7-SJT5-20-B	10.50	10
Center Jumper — 50-pole	V7-CJT5-50	42.00	5	V7-CJT5-50	42.00	5	V7-CJT5-50	42.00	5
Center Jumper — 10-pole	V7-CJT5-10	10.00	10	V7-CJT5-10	10.00	10	V7-CJT5-10	10.00	10
Center Jumper Link	V7-CJL5	1.35	10	V7-CJL5	1.35	10	V7-CJL5	1.35	10
Other Accessories									
Partition Plate	V7-PPTS3	1.25	50	V7-PPTS3	1.25	50	V7-PPTS3	1.25	50
Test Plug Adapter	V7-TA285	17.75	10	V7-TA285	17.75	10	V7-TA285	17.75	10
Electrical Warning Plate (1-pole)	V7-EWP5	2.25	10	V7-EWP5	2.25	10	V7-EWP5	2.25	10
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ②									
Blank Tags (cards of 100) ②	V7-SM5X9	12.00	5	V7-SM5X9	12.00	5	V7-SM5X9	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP5 ③	2.70	10	V7-MP5 ③	2.70	10	V7-MP5 ③	2.70	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	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 ²	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm ²	#26... #14 AWG	#26... #14 AWG	0.5...2.5 mm ²
Leakage Current				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 N32			Fits all types shown on page N32			Fits all types shown on page N32		
Wiring Diagram	See page N35								

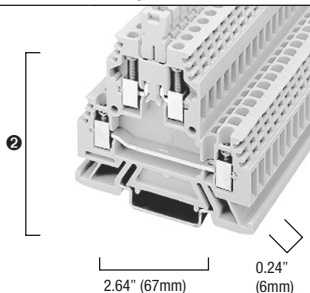
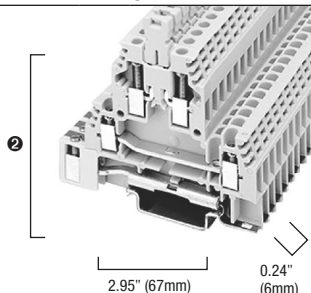
- ① May require special order with minimum quantities.
 ② Custom marking tags available. See page N45 for full offering.
 ③ Catalog number is not complete. See pages N42...N43.

Plug-in Style Blocks

Ordering and Technical Information ①	2.5mm ²			2.5mm ²		
						
	Pluggable terminal block			Pluggable terminal block with test plug screws		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-W4P	5.30	50	V7-W4PTP	7.00	50
Inserts						
Disconnect Plug	V7-DP4	2.70	50	V7-DP4 (shown)	2.70	50
Component Plug	V7-CP4 ③	7.40	50	V7-CP4 ③	7.40	50
Fuse Plug	V7-FP4 ④ (shown)	11.00	50	V7-FP4 ④	11.00	50
Fuse Plug w/LED Blown Fuse Indication	V7-FP424 ④⑤	22.00	50	V7-FP424 ④⑤	22.00	50
Fuse Plug w/LED Blown Fuse Indication	V7-FP4250 ④⑤	22.00	50	V7-FP4250 ④⑤	22.00	50
Accessories (also see pages N26 to N31)						
End Barrier	V7-EB3	1.20	50	V7-EB3	1.20	50
End Anchors						
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers						
Side Jumper — 10-pole Insulated	V7-SJ6-10	4.45	10	V7-SJ6-10	4.45	10
Other Accessories						
Partition Plate	V7-PP3	1.50	50	V7-PP3	1.50	50
Test Plug	V7-TP23	8.90	50	V7-TP23	8.90	50
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ⑥						
Blank Tags (cards of 100)	V7-SM6X12	12.00	5	V7-SM6X12	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ⑦	2.70	10	V7-MP ⑦	2.70	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	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 ²	#22... #12 AWG	#22... #12 AWG	0.5...2.5 mm ²
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 N32			Fits all types shown on page N32		

- ① Refer to pages N24...N29 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 1A @ 600V. 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 N32 for Fuse Plug Specifications.
- ⑥ Custom marking tags available. See page N45 for full offering.
- ⑦ Catalog number is not complete. See pages N42...N43.

Multi-level Plug-in Style Blocks

Ordering and Technical Information ①	2.5mm² 			2.5mm² 		
	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	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-WD4P	10.00	50	V7-WDG4P	13.50	50
Inserts						
Disconnect Plug	V7-DP4 (shown)	2.70	50	V7-DP4 (shown)	2.70	50
Component Plug	V7-CP4 ②	7.40	50	V7-CP4 ②	7.40	50
Fuse Plug	V7-FP4 ③④	11.00	50	V7-FP4 ③④	11.00	50
Fuse Plug w/LED Blown Fuse Indication	V7-FP424 ③④	22.00	50	V7-FP424 ③④	22.00	50
Fuse Plug w/LED Blown Fuse Indication	V7-FP4250 ④⑤	22.00	50	V7-FP4250 ④⑤	22.00	50
Accessories (also see pages N26 - N31)						
End Barrier	V7-EBD4P	2.00	50	V7-EBD4P	2.00	50
End Anchors						
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers						
Side Jumper — 10-pole Insulated	V7-SJ6-10	4.45	10	V7-SJ6-10	4.45	10
Center Jumper — 50-pole	V7-CJD6-50	37.00	5	V7-CJD6-50	37.00	5
Center Jumper — 10-pole	V7-CJD6-10	9.40	10	V7-CJD6-10	9.40	10
Center Jumper — 3-pole	V7-CJD6-3	3.50	10	V7-CJD6-3	3.50	10
Center Jumper — 2-pole	V7-CJD6-2	2.40	10	V7-CJD6-2	2.40	10
Center Jumper Link	V7-CJDL6	1.35	10	V7-CJDL6	1.35	10
Other Accessories						
Test Plug	V7-TP28	8.90	10	V7-TP28	8.90	10
Test Plug Adapter	V7-TA40	17.75	10	V7-TA40	17.75	10
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ⑥						
Blank Tags (cards of 100)	V7-SM6X9	12.00	5	V7-SM6X9	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ⑦	2.70	10	V7-MP ⑦	2.70	10
Terminal Block Specifications						
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 ²	#22... #12 AWG	#22... #12 AWG	0.5...2.5 mm ²
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 N32			Fits all types shown on page N32		

① Refer to pages N24...N29 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 1A @ 600V. 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 N32 for Fuse Plug Specifications.

⑥ Custom marking tags available. See page N45 for full offering.

⑦ Catalog number is not complete. See pages N42...N43.

Component Blocks

Ordering and Technical Information ①	4mm²			4mm²			4mm²		
	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		
	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty	Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Terminal - Gray	V7-WD4C	10.50	50	V7-WD4DF ①	13.00	1	V7-WD4DR ①	13.00	1
Accessories (also see pages N26 - N31)									
End Barrier	V7-EBD3	1.95	50	V7-EBD3	1.95	50	V7-EBD3	1.95	50
End Anchors									
DIN Rail — Normal Duty	V7-EA35	1.75	50	V7-EA35	1.75	50	V7-EA35	1.75	50
DIN Rail — Heavy Duty	V7-EAH35	7.00	10	V7-EAH35	7.00	10	V7-EAH35	7.00	10
DIN Rail — Snap-in	V7-ER35	1.80	50	V7-ER35	1.80	50	V7-ER35	1.80	50
Jumpers									
Side Jumper — 10-pole Insulated	V7-SJ6-10	4.45	10	V7-SJ6-10	4.45	10	V7-SJ6-10	4.45	10
Center Jumper — 50-pole	V7-CJD6-50	37.00	5	V7-CJD6-50	37.00	5	V7-CJD6-50	37.00	5
Center Jumper — 10-pole	V7-CJD6-10	9.40	10	V7-CJD6-10	9.40	10	V7-CJD6-10	9.40	10
Center Jumper — 3-pole	V7-CJD6-3	3.50	10	V7-CJD6-3	3.50	10	V7-CJD6-3	3.50	10
Center Jumper — 2-pole	V7-CJD6-2	2.40	10	V7-CJD6-2	2.40	10	V7-CJD6-2	2.40	10
Center Jumper Link	V7-CJDL6	1.35	10	V7-CJDL6	1.35	10	V7-CJDL6	1.35	10
Other Accessories									
Partition Plate	V7-PPD3	2.25	50	V7-PPD3	2.25	50	V7-PPD3	2.25	50
Separation Plate	V7-SPD3	.90	10	V7-SPD3	.90	10	V7-SPD3	.90	10
Test Plug	V7-TP28	8.90	10	V7-TP28	8.90	10	V7-TP28	8.90	10
Test Plug Adapter	V7-TA40	17.75	10	V7-TA40	17.75	10	V7-TA40	17.75	10
Group Marking Carrier	V7-GM35	3.60	10	V7-GM35	3.60	10	V7-GM35	3.60	10
Marking Systems ②									
Blank Tags (cards of 100)	V7-SM6X9	12.00	5	V7-SM6X9	12.00	5	V7-SM6X9	12.00	5
Pre-printed Tags (sticks of 10)	V7-MP ③	2.70	10	V7-MP ③	2.70	10	V7-MP ③	2.70	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	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 mm²	#22... #12 AWG	#22... #12 AWG	0.05...4 mm²	#22... #12 AWG	#22... #12 AWG	0.05...4 mm²
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 N32			Fits all types shown on page N32			Fits all types shown on page N32		
Schematics									
Diode Block									
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.									

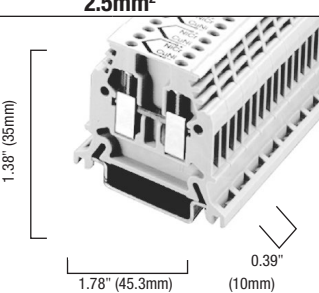
❶ May require special order with minimum quantities.

❷ Custom marking tags available. See page N45 for full offering.

❸ Catalog number is not complete. See pages N42...N43.

❹ See page N31 for Component Specifications.

Thermocouple Blocks ❶

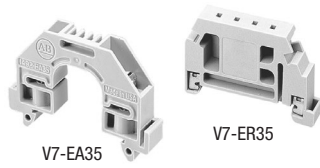
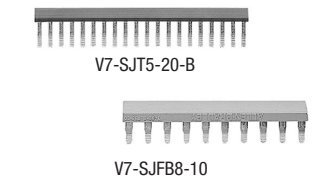
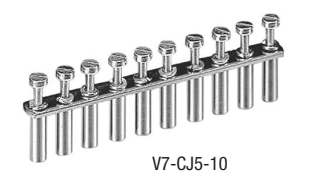
Ordering and Technical Information ❶				
		Two-pole thermocouple block		
		Catalog Number	Price Ea. (Std Pkg)	Pkg. Qty
Current Bar Material				
Pos. Leg / Neg. Leg	Trade Name			
NiCr / CuNi	Chromel / Constantan	V7-WTC3E	16.00	10
Ir / CuNi	Iron / Constantan	V7-WTC3J	16.00	10
Cu / CuNi	Copper / Constantan	V7-WTC3T	16.00	10
Accessories (also see pages N26 to N31)				
End Barrier		V7-EB3	1.20	50
End Anchors				
DIN Rail — Normal Duty		V7-EA35	1.75	50
DIN Rail — Heavy Duty		V7-EAH35	7.00	10
DIN Rail — Snap-in		V7-ER35	1.80	50
Other Accessories				
Partition Plate		V7-PP3	1.50	
Group Marking Carrier		V7-GM35	3.60	10
Marking Systems ❷				
Blank Tags (cards of 100) ❷		V7-SM5X9	12.00	5
Pre-printed Tags (sticks of 10)		V7-MP5 ❸	2.70	10
Terminal Block Specifications				
Approvals				
Wire Range (Rated Cross Section)		0.28...#14 AWG 0.2...2.5 mm²		
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 N32		

❶ May require special order with minimum quantities.

❷ Custom marking tags available. See page N45 for full offering.

❸ Catalog number is not complete. See pages N42...N43.

Accessories

Ordering Instructions: 1. Identify accessory required. 2. Identify terminal block along top of table. 3. Use matrix to determine which Accessory Type to order.						pg. N5	pg. N5	pg. N5	pg. N6	pg. N6
Component	Description	Type	Catalog Number	Price Each	Std. Pkg.	-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through
	End Barrier Provides insulation for the last terminal block in a group. Gray unless noted.		V7-EB10	1.20	50					
		(shown)	V7-EB3	1.20	50	■	■			
			V7-EB3TW	1.35	50					
		(shown)	V7-EB35	2.25	25					
			V7-EBD3	1.95	50					
		yellow	V7-EBD3-Y	1.95	50					
			V7-EBD6	2.25	50					
			V7-EBD4P	2.00	50					
			V7-EBKD3	1.20	50					
			V7-EBR3	1.35	50					
			V7-EBTF3	1.95	50					
			V7-EBTS3	1.95	50					
		(shown)	V7-N37	1.50	50					
		yellow	V7-EB10-Y	1.50	50					
		yellow	V7-EB3-Y	1.20	50					
			V7-EBFB10V	1.45	50					
	End Anchor (Screw type) Anchors a row of blocks or a single block	Standard (shown)	V7-EA35	1.75	50	■	■	■	■	■
		Heavy Duty	V7-EAH35	7.00	10	■	■	■	■	■
		Snap In (shown)	V7-ER35	1.80	50	■	■	■	■	■
	Side Jumpers Insulated, fit in wire openings of blocks		V7-SJ5-10	3.60	10	■				
			V7-SJ6-10	4.45	10		■			
			V7-SJ8-10	5.10	10				■	
		(shown)	V7-SJFB8-10	8.40	10					
		Blue	V7-SJT5-20-B	10.50	10					
		Red	V7-SJT5-20-R	10.50	10					
	Insulating Side Jumper Sleeve For use with catalog # V7-N49		V7-SJS	2.70	10					
	Replacement Fuse Knob		V7-FCM	5.25	50					
	Center Jumpers Uninsulated, screw into threaded hole in center of block (See page N28 for more Center Jumpers)	2 pole	V7-CJ5-2	2.25	10	■				
		3 pole	V7-CJ5-3	3.30	10	■				
		10 pole	V7-CJ5-10	8.90	10	■				
		50 pole	V7-CJ5-50	42.00	5	■				
		2 pole	V7-CJ6-2	2.40	10		■			
		3 pole	V7-CJ6-3	3.50	10		■			
		10 pole	V7-CJ6-10	9.40	10		■			
		50 pole	V7-CJ6-50	37.00	5		■			

Note: For full line of marking accessories see the Marking Section beginning on page N38.

-W35 Through	pg. N7
-W70 Through	pg. N7
-WDG4C Two Level Ground	pg. N12
-WG4 Ground	pg. N10
-WG6 Ground	pg. N10
-WG10S Ground	pg. N10
-WG16, -W35, -W70 Ground	pg. N11
-WD3 Two Level	pg. N8
-WD4 Two Level	pg. N8
-WD6 Two Level	pg. N8
-W3TW 2 in / 1 out	pg. N9
-WR3 Return	pg. N9
-WKD3 Knife Disconnect	pg. N16
-WKD3TP Knife Disconnect	pg. N16
-WKD6 Knife Disconnect	pg. N16
-W4P Pluggable	pg. N20
-W4TP Pluggable	pg. N20
-WD4P Pluggable 2 level	pg. N21
-WDG4P Pluggable 2 Level	pg. N21
-WD4C/DF/DR 2 level	pg. N22
-WFB4/424/4250 Fuse Pluggable	pg. N13
-H4/5/6/7 Fusible	pg. N14&17
-WFB10V/VA	pg. N15
-WTC3E/J/K/T Thermocouple	pg. N23
-WTF3/LP/LN Sensor	pg. N18
-WTS3/LP/LN Sensor	pg. N19

Continued on next page ➡

Accessories (Continued)

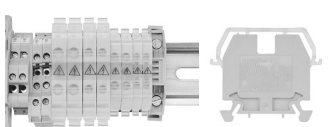
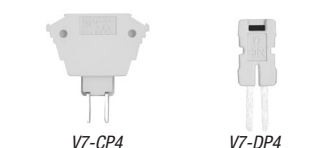
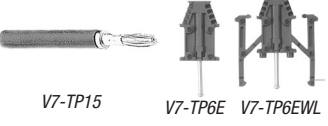
Ordering Instructions: 1. Identify accessory required. 2. Identify terminal block along top of table. 3. Use matrix to determine which Accessory Type to order.						pg. N5	pg. N5	pg. N5	pg. N6	pg. N6
Component	Description	Type	Catalog Number	Price Each	Std. Pkg.	-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through
	Center Jumpers Uninsulated, screw into threaded hole in center of block	2 pole	V7-CJ7-2	2.90	10			■		
		3 pole	V7-CJ7-3	4.10	10			■		
		10 pole	V7-CJ7-10	11.00	10			■		
		40 pole	V7-CJ7-40	37.00	5			■		
		2 pole	V7-CJ8-2	3.10	10				■	
		3 pole	V7-CJ8-3	4.10	10				■	
		10 pole	V7-CJ8-10	12.25	10				■	
		40 pole	V7-CJ8-40	42.00	5				■	
		2 pole	V7-CJS11-2	5.30	10					■
		3 pole	V7-CJS11-3	7.10	10					■
		2 pole	V7-CJ14-2	5.80	10					
		3 pole	V7-CJ14-3	8.70	10					
		2 pole	V7-CJD5-2	2.60	10					
		3 pole	V7-CJD5-3	3.80	10					
		10 pole	V7-CJD5-10	10.00	10					
		50 pole	V7-CJD5-50	42.00	5					
		2 pole	V7-CJD6-2	2.40	10					
		3 pole	V7-CJD6-3	3.50	10					
		10 pole	V7-CJD6-10	9.40	10					
		50 pole	V7-CJD6-50	37.00	5					
		10 pole	V7-CJT5-10	10.00	10					
		50 pole	V7-CJT5-50	42.00	10					
	Center Jumper Links Joins two Center Jumpers		V7-CJL5	1.35	10	■				
			V7-CJL6	1.35	10		■			
			V7-CJL7	1.35	10			■		
			V7-CJL8	1.35	10				■	
			V7-CJDL6	1.35	10					
 V7-CJCW5	Center Jumper Covers		V7-CJCW5	5.30	20	■				
			V7-CJCW6	5.30	20		■	■	■	
			V7-CJCW14	5.30	10					
	Screwdriver - Specially designed for the screws on V7-W3, W4 & W6 terminals		V7-SCRDRV1	16.50	1	■	■	■		

Note: For full line of marking accessories see the Marking Section beginning on page N38.

[illegible]

Continued on next page ➡

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.						pg. N5	pg. N5	pg. N5	pg. N6	pg. N6
Component	Description	Type	Catalog Number	Price Each	Std. Pkg.	-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through
 V7-PP35 V7-PPD3	Partition Plates Provides visual and electrical spacing between adjacent jumpers		V7-PP10	1.80	50					
			V7-PP3	1.50	50	■	■			
		(shown)	V7-PP35	2.50	25					
		(shown)	V7-PPD3	2.25	50					
		Mini	V7-PPD6	2.25	50					
		Mini	V7-PPSL3	1.95	50					
 V7-SP3 V7-SPD3	Separation Plate Thin, flexible plastic insulation plate provides visual and electrical isolation between adjacent center jumpers	(shown)	V7-SP3	.90	50	■	■			
		(shown)	V7-SPD3	.90	50					
	Electrical Warning Plates		V7-EWP5-4	2.25	10	■				
			V7-EWP6-4	2.25	10		■			
			V7-EWP7-4	2.25	10			■		
			V7-EWP8-4	3.00	10				■	
 V7-CP4 V7-DP4	Component Plugs Holds customer supplied diode or resistor Disconnect Plug No load isolator		V7-CP4	7.40	50					
			V7-DP4	2.70	50					
	Fuse Plugs Holds 5x20 fuse	W/O BFI	V7-FP4	11.00	50					
		W/ 24V BFI LED	V7-FP424	22.00	50					
		W/ 240V BFI LED	V7-FP4250	22.00	50					
 V7-TP15 V7-TP6E V7-TP6EWL	Test Plugs Wire is soldered directly to plug	(shown)	V7-TP15	17.75	10					
			V7-TP23	8.90	10					
			V7-TP28	8.90	10		■	■	■	
		(shown)	V7-TP6E	13.00	10		■			
		(shown)	V7-TP6EWL	13.00	10		■			
 V7-TA40 V7-TA285	Test Plugs Adapters Accepts Banana Plug	(shown)	V7-TA285	17.75	10	■				
			V7-TA40	17.75	10		■	■	■	
	Group Marker Carrier Used for separating and identifying groups of terminals, snap-on, markable		V7-GM35	3.60	10	■	■	■	■	■

Note: For full line of marking accessories see the Marking Section beginning on page N38.

	-W35 Through	pg. N7
	-W70 Through	pg. N7
	-WDG4C Two Level Ground	pg. N12
	-WG4 Ground	pg. N10
	-WG6 Ground	pg. N10
	-WG10S Ground	pg. N10
	-WG16, -W35, -W70 Ground	pg. N11
	-WD3 Two Level	pg. N8
	-WD4 Two Level	pg. N8
	-WD6 Two Level	pg. N8
	-W3TW 2 in / 1 out	pg. N9
	-WR3 Return	pg. N9
	-WKD3 Knife Disconnect	pg. N16
	-WKD3TP Knife Disconnect	pg. N16
	-WKD6 Knife Disconnect	pg. N16
	-W4P Pluggable	pg. N20
	-W4PTP Pluggable	pg. N20
	-WD4P Pluggable 2 level	pg. N21
	-WDG4P Pluggable 2 Level	pg. N21
	-WD4C/DF/DR 2 level	pg. N22
	-WFB4/424/4250 Fuse Pluggable	pg. N13
	-H4/5/6/7 Fusible	pg. N14&17
	-WFB10V/VA	pg. N15
	-WTC3E/J/K/T Thermocouple	pg. N23
	-WTF3/LP/LN Sensor	pg. N18
	-WTS3/LP/LN Sensor	pg. N19

Mounting Rails

Item	Description	Catalog Number	Price
	DIN-rail - 2 meter lengths (≈6' 6") • Top Hat, low profile (price per rail) • Top Hat, high profile (price per rail)	3F 3AF	See page A54

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

	Wire Size AWG (mm ²)																
	#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)
Catalog Number	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 ①											
V7-W4PTP	4	4	3	2	2	1 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 ①											
V7-WD4PTP	4	4	3	2	2	1 ①											
V7-WDG4C	4	4	3	2	2	1											
V7-WDG4P...	4	4	3	2	2	1 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 The multiple wire combinations for these products had not been tested at time of publication. 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 mm², 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

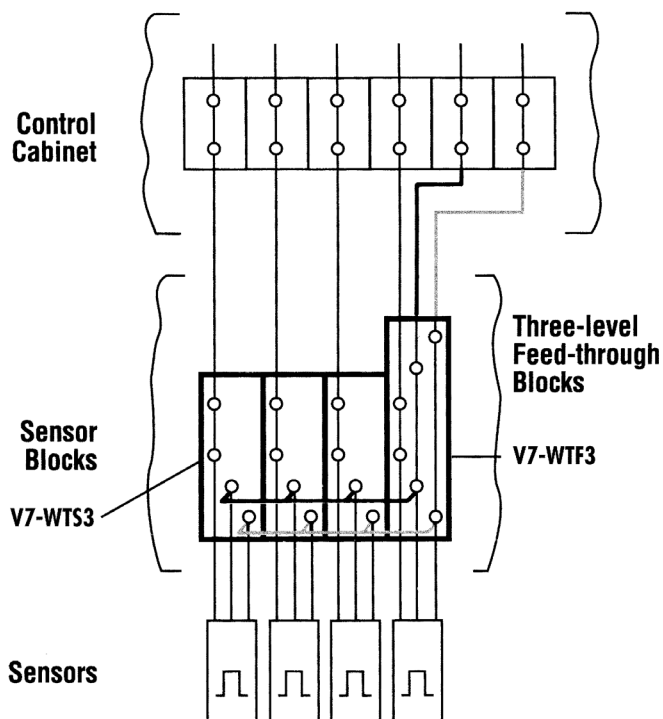
Description	Symbol	Type	Rating
Peak Repetitive Reverse Voltage	V (RRM)		
Working Peak Reverse Voltage	V (RWM)	WD4DF, WD4DR	300V
DC Blocking Voltage	V (R)		
Non-Repetitive Peak Reverse Voltage (Half wave, single phase, 60 Hz)	V (RSM)	WD4DF, WD4DR	300V
RMS Reverse Voltage ❶	V (Rrms)	WD4DF, WD4DR	300V
Average 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 ❶			
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



❶ 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.

UL (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

cUL (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

CSA (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

CE Terminal blocks listed in this catalog (with the exception of the V7-WTC3E, -WTC3J, -WTC3K, 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 II — Devices listed in this catalog with an “Ex e II” 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 II Devices listed in this catalog with an “AEx e II” 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

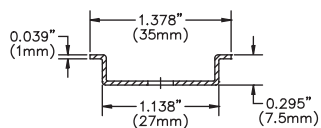
These products are suitable for Class I, Zone 1 Hazardous Locations. Reference UL file E195676

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

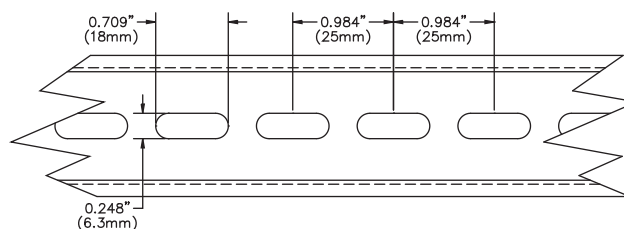
Dimensions are in millimeters (inches). Dimensions not intended for manufacturing purposes.



FRONT SECTION

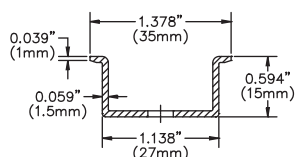


RIGHT SIDE VIEW



BASE PERFORATION

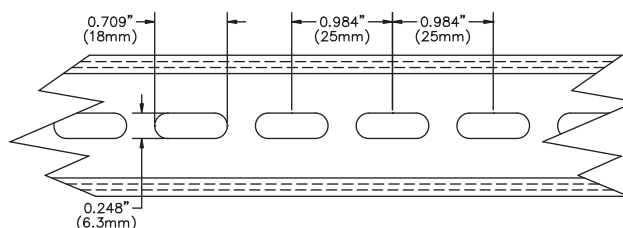
3AF Top Hat High Profile DIN Rail



FRONT SECTION

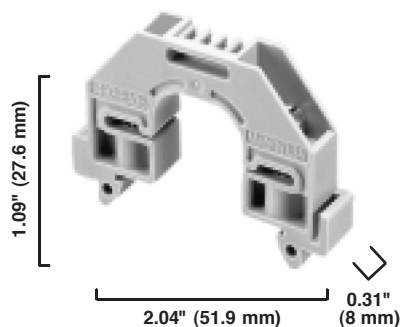


RIGHT SIDE VIEW

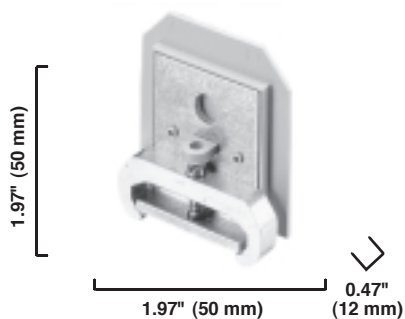


BASE PERFORATION

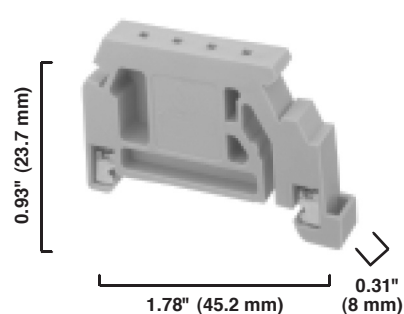
End Anchors



V7-EA35

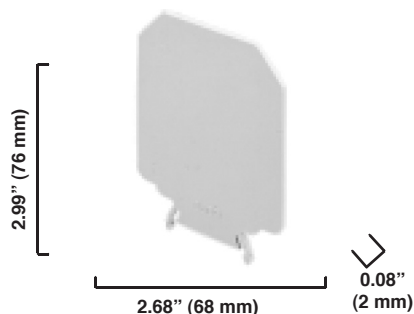


V7-EAH3

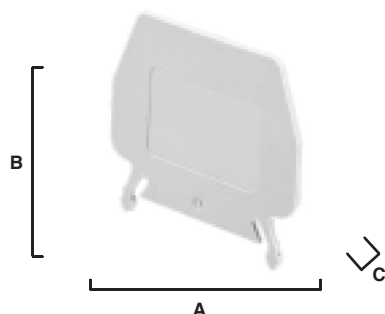


V7-ER35

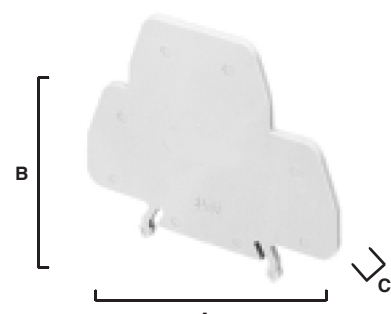
Partition Plates



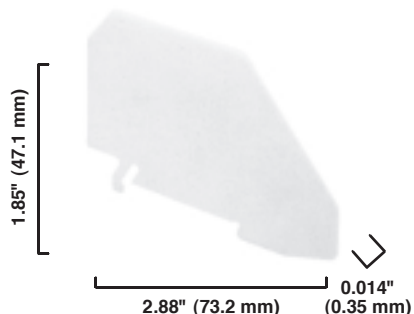
V7-PP35



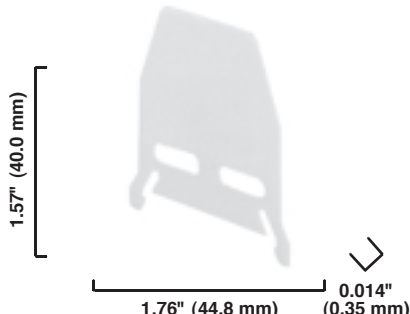
Catalog #	A	B	C
V7-PP3	1.85" (47 mm)	1.57" (40 mm)	0.06" (1.5 mm)
V7-PP10	2.17" (55 mm)	1.81" (46 mm)	0.06" (1.5 mm)
V7-PPSL3	2.20" (56 mm)	1.54" (39 mm)	0.08" (2 mm)



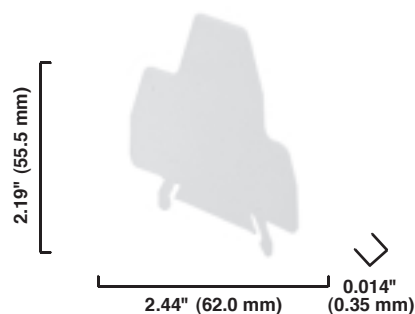
Catalog #	A	B	C
V7-PPD3	2.82" (71.6 mm)	2.09" (53.2 mm)	0.08" (2 mm)
V7-PPD6	3.31" (84 mm)	2.72" (69 mm)	0.08" (2 mm)



V7-PPTS3

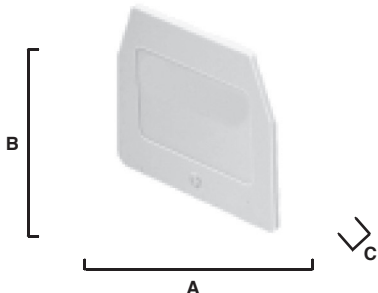
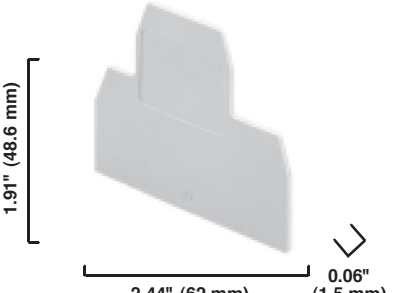
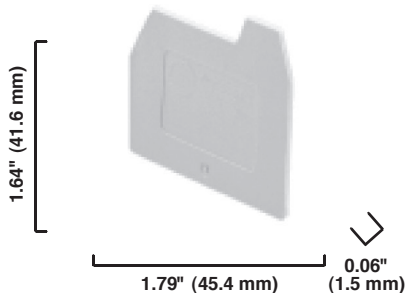
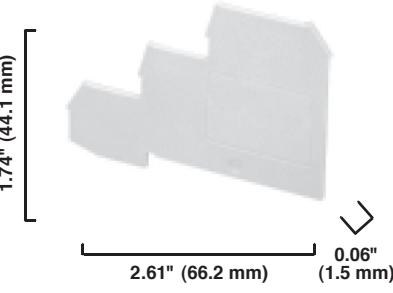
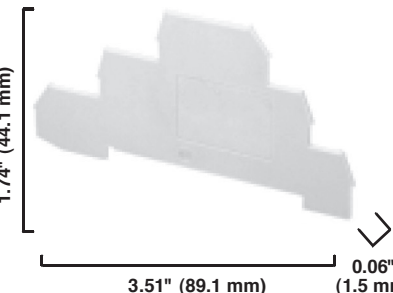
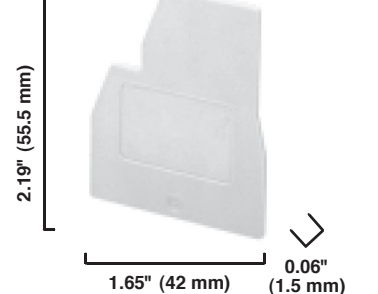
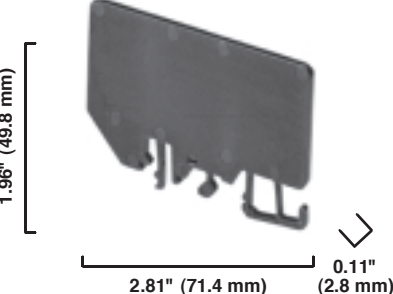


V7-SP3



V7-SPD3

End Barriers

End Barriers																							
																							
<table><tr><th>Catalog #</th><th>A</th><th>B</th><th>C</th></tr><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>(1.5mm)</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></table>	Catalog #	A	B	C	V7-EB3	1.46"	1.38"	0.06"	V7-EB3-Y	(37 mm)	(35 mm)	(1.5mm)	V7-EB10	1.77"	1.61"	0.06"	V7-EB10-Y	(45 mm)	(41 mm)	(1.5 mm)	V7-EB35	V7-EBD3/Y	
Catalog #	A	B	C																				
V7-EB3	1.46"	1.38"	0.06"																				
V7-EB3-Y	(37 mm)	(35 mm)	(1.5mm)																				
V7-EB10	1.77"	1.61"	0.06"																				
V7-EB10-Y	(45 mm)	(41 mm)	(1.5 mm)																				
																							
V7-EB3TW	V7-EBTS3	V7-EBTF3																					
																							
V7-EBKD3	V7-EBD4P	V7-EBD6																					
																							
V7-EBR3	V7-N37																						