

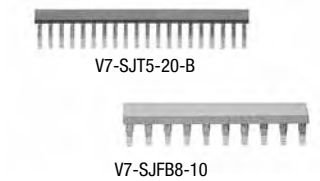




Accessories

Ordering Instructions:





1. Identify accessory required.
2. Identify terminal block along top of table.
3. Use matrix to determine which Accessory Type to order.

Component	Description	Type	Catalog Number	Price Each	Std. Pkg.	pg. N5	pg. N5	pg. N5	pg. N6	pg. N6
						-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through
 <p>V7-EB3 V7-EB35</p> <p>V7-N37</p>	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					
		(shown)	V7-EBTS3	1.95	50					
		yellow	V7-N37	1.50	50					
yellow	V7-EB10-Y	1.50	50							
yellow	V7-EB3-Y	1.20	50							
	V7-EBFB10V	1.45	50							
 <p>V7-EA35 V7-ER35</p>	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	■	■	■	■	■
 <p>V7-SJT5-20-B</p> <p>V7-SJFB8-10</p>	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					
	Non-insulated	V7-N49	6.10	10						
 <p>V7-SJS</p>	Insulating Side Jumper Sleeve For use with catalog # V7-N49		V7-SJS	2.70	10					
	Replacement Fuse Knob		V7-FCM	5.25	50					
 <p>V7-CJ5-10</p>	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 N35.




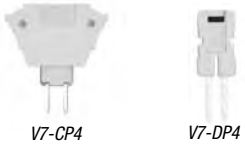




	-W35 Through	-W70 Through	-WDG4C Two Level Ground	-WG4 Ground	-WG6 Ground	-WG10S Ground	-WG16, -W35, -W70 Ground	-WD3 Two Level	-WD4 Two Level	-WD6 Two Level	-W3TW 2 in / 1 out	-WR3 Return	-WKD3 Knife Disconnect	-WKD3TP Knife Disconnect	-WKD6 Knife Disconnect	-W4P Pluggable	-W4PTP Pluggable	-WD4P Pluggable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

Component	Description	Type	Catalog Number	Price Each	Std. Pkg.	pg. N5	pg. N5	pg. N5	pg. N6	pg. N6
						-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					■
 <p>V7-CJCB5 (blue)</p>	Center Jumper Covers		V7-CJCW5	5.30	20	■				
		Red	V7-CJCR5	1.05	10					
		Blue	V7-CJCB5	1.05	10					
			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 N35.


Accessories (Continued)

Ordering Instructions:						pg. N5	pg. N5	pg. N5	pg. N6	pg. N6		
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	Price Each	Std. Pkg.	-W3 Through	-W4 Through	-W6 Through	-W10 Through	-W16S Through
 <p>V7-PP35 V7-PPD3</p>	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							
			V7-PPD6	2.25	50							
		Mini	V7-PPSL3	1.95	50							
		Mini	V7-PPTS3	1.25	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	.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				■			
 <p>V7-CP4 V7-DP4</p>	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	V7-FP424	22.00	50							
		W/ 240V BFI	V7-FP4250	22.00	50							
 <p>V7-TP15 V7-TP6E</p>	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				■			
			V7-TP6EWL	13.00	10				■			
	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 N35.

Accessories	pg. N7	pg. N7	pg. N12	pg. N10	pg. N10	pg. N10	pg. N11	pg. N8	pg. N8	pg. N8	pg. N9	pg. N9	pg. N16	pg. N16	pg. N16	pg. N20	pg. N20	pg. N21	pg. N21	pg. N22	pg. N13	pg. N14&17	pg. N15	pg. N23	pg. N18	pg. N19
-W35 Through	■																									
-W70 Through																										
-WDG4C Two Level Ground			■																							
-WG4 Ground																										
-WG6 Ground																										
-WG10S Ground																										
-WG16, -W35, -W70 Ground																										
-WD3 Two Level								■																		
-WD4 Two Level								■																		
-WD6 Two Level									■																	
-W3TW 2 in / 1 out											■															
-WR3 Return												■														
-WKD3 Knife Disconnect													■													
-WKD3TP Knife Disconnect													■													
-WKD6 Knife Disconnect																										
-W4P Pluggable																■										
-W4PTP Pluggable																	■									
-WD4P Pluggable 2 level																										
-WD64P Pluggable 2 Level																										
-WD4C/DF/DR 2 level																										
-WFB4/424/4250 Fuse Pluggable																										
-H4/5/6/7 Fusible																										
-WFB10V/VA																										
-WTC3E/J/K/T Thermocouple																										
-WTF3/LP/LN Sensor																										
-WTS3/LP/LN Sensor																										

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 A58

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

Catalog Number	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)	
	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 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)

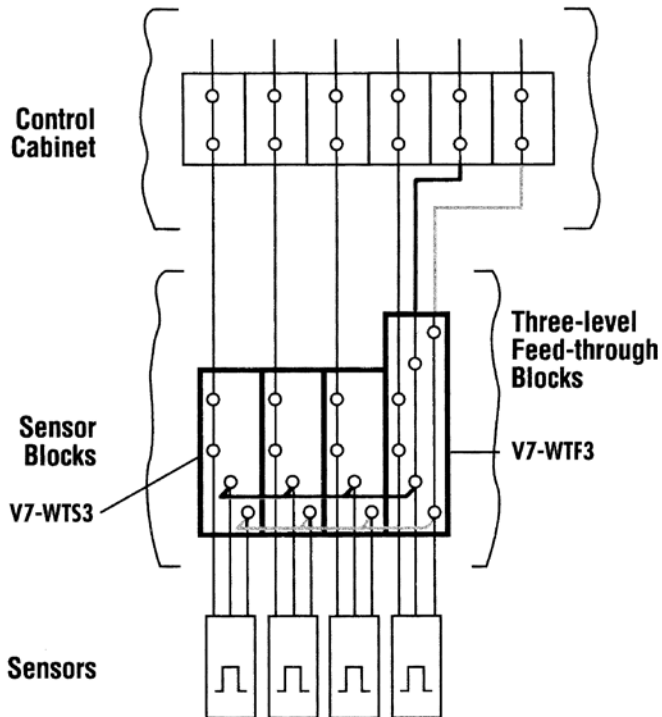
Diode Terminal Blocks — Types WD4DF and WD4DR			
Description	Symbol	Type	Rating
Peak Repetitive Reverse Voltage	V (RRM)		
Working Peak Reverse Voltage	V (RWM)	WD4DF, WD4DR	300V
DC Blocking Voltage	V (R)		
Non-Repetitive Peak Reverse Voltage (Half wave, single phase, 60 Hz)	V (RSM)	WD4DF, WD4DR	300V
RMS 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 ①			
Characteristic	Catalog Number		
	V7-FP4	V7-FP424	V7-FP4250
Indicator Type	Non-Indicating	LED	Neon
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.

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
- EN60947-7-1 — 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 V7-...	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)	
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