Terminals

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Terminals

**sprecher+
schuh**

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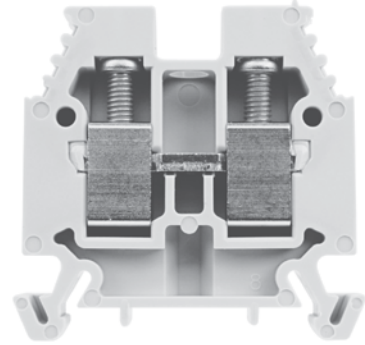
Stainless steel screws and nickel plated current bars provide a strong, corrosion resistant connection

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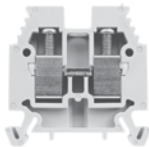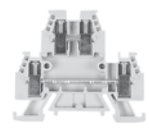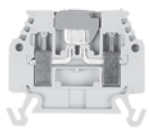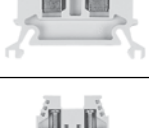
Superior insulation and protection features

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)*

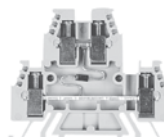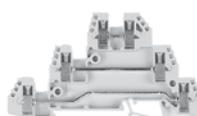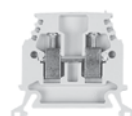| Terminal	Description	Type	Overall Term. Width	Cross- sec. [mm²]	Catalog Number	See Page...
Through Terminals						
	Standard Feed-Through Blocks Provides one straight-through circuit for wire sizes up to 70 mm².	Color: gray (other colors available)	5	2.5	**V7-W3**	N5
			6	4	**V7-W4**	N5
			7	6	**V7-W6**	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**	N20
		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

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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 *(continued)*						
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 5 x 20 mm, without indication 5 x 20 mm, with LED 5 x 20 mm, with neon lamp 6.3 x 32 mm, without indication 6.3 x 32 mm, without indication 6.3 x 32 mm, with LED 6.3 x 32 mm, with neon lamp	8 8 8 8 9 9 9 9	4 4 4 4 4 4 4 4	**V7-WFB4** **V7-WFB10V** **V7-WFB424** **V7-WFB4250** **V7-H6** **V7-WFB10VA** **V7-H5** **V7-H4**	N13 N15 N13 N13 N14 N15 N14 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

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