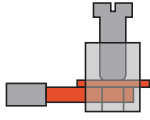


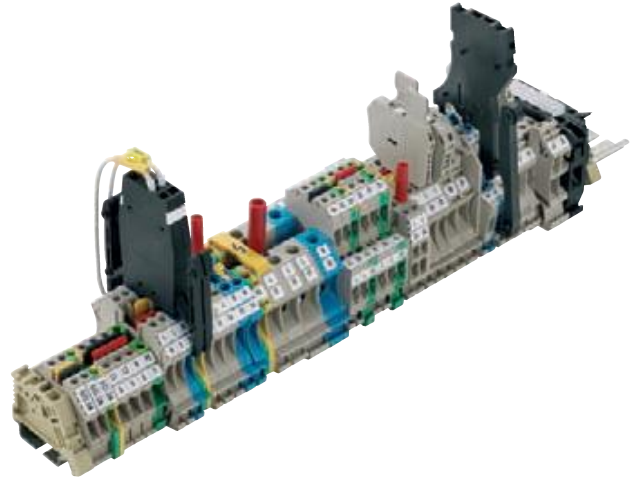
# W-Series / Clamping yoke screw connection technology



For a long time now, Weidmüller's W-Series terminal with screw clamp connection technology, has set the standard. With many advantages, the W-Series remains market leader and unsurpassed.

The W-Series offers solutions for conductor cross-sections from 0.06 to 300 mm<sup>2</sup> and for all common electrical functions. Another advantage is the choice of plug-in (ZQV) or screw-in (WQV) cross-connections within one modular terminal. It brings considerable time savings compared to all other screw terminals on the market.

Thanks to the patented design of Weidmüller's W-Series screw connection technology it is possible for two conductors of the same cross-section to be connected in one and the same clamping point without difficulty.



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## Versions

### W-standard

- Same contour design from 2.5 to 10 mm<sup>2</sup>
- Conductor sizes from 0.05 to 300 mm<sup>2</sup>
- Large clamping range



### W-compact

- Smaller size
- Identified by an "N" in the type designation
- Conductor sizes from 0.13 to 150 mm<sup>2</sup>



## Product overview

Rated cross-section	1.5 mm <sup>2</sup>		2.5 mm <sup>2</sup>		4 mm <sup>2</sup>		6 mm <sup>2</sup>		10 mm <sup>2</sup>		16 mm <sup>2</sup>		35 mm <sup>2</sup>	
	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact
<b>Feed-through terminals</b>														
2 connections	•	•	•	•	•	•	•		•		•	•	•	•
3 and 4 connections	•	•	•	•	•	•			•					
<b>PE terminals</b>														
2 connections	•	•	•	•	•	•	•		•		•	•	•	•
3 and 4 connections	•		•	•	•	•			•					
<b>Fuse terminals</b>														
			•		•		•		•		•			
<b>Disconnect test terminal blocks</b>														
	•		•		•		•		•					
3 and 4 connections			•		•									
<b>3-conductor installation terminals</b>														
	•		•		•									
<b>N-conductor disconnect terminals</b>														
	•		•		•		•		•		•		•	
<b>Plug-in terminals</b>														
	•		•		•									
<b>Initiator/Actuator terminals</b>														
	•		•		•									
<b>Terminals with electronic components</b>														
	•		•		•	•								
<b>Miniature terminals for TS 15</b>														
	•													
<b>Rated cross-section</b>	50 mm <sup>2</sup>		70 mm <sup>2</sup>		95 mm <sup>2</sup>		120 mm <sup>2</sup>		150 mm <sup>2</sup>		240 mm <sup>2</sup>			
	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact	Standard	Compact
<b>Feed-through terminals</b>														
		•	•	•	•	•	•	•	•	•			•	
<b>PE terminals</b>														
		•	•	•	•	•	•	•	•					
<b>N-conductor disconnect terminals</b>														
				•										

**1 The connection**

Separation of electrical and mechanical function thus providing galvanic isolation.

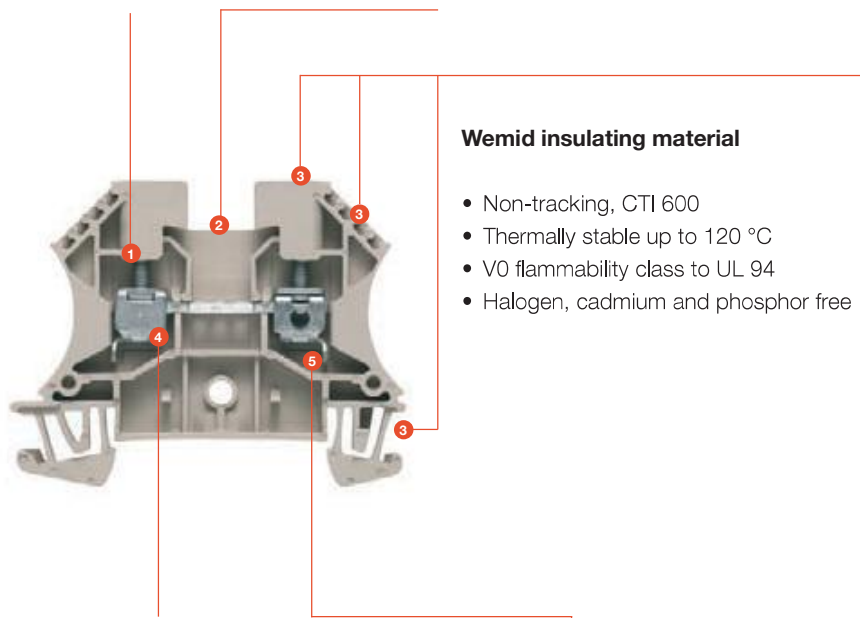
- Hardened steel screw clamp technology.
- Busbar of copper for low through resistance.
- Tin-plated surface for minimum contact resistances.

**2 Cross-connections, also pluggable**

- Screw-in or plug-in cross-connections as required
- For screw terminals, the pluggable cross-connection (ZQV) is unique, with considerable time savings
- Cross-connections with up to 10 poles available as standard for 2.5 and 4
- 20-pole cross-connections (ZQV) available for custom fabrication

**3 Easy to use**

- Can be clipped to or removed from the terminal rail in either direction
- Features captive screw.
- Recessed clamping screw position provides guide for screwdriver
- All parts fitted captive within the terminal
- Numerous labelling options

**Wemid insulating material**

- Non-tracking, CTI 600
- Thermally stable up to 120 °C
- V0 flammability class to UL 94
- Halogen, cadmium and phosphor free

**Common profiles**

- Identical size from 2.5 to 10 mm<sup>2</sup>
- Minimum number of different accessories = lower costs and better logistics
- Easy planning

**4 Reliable contact**

- W-Series offers galvanic isolation by providing a steel screw clamp technology for mechanical function, with copper busbar for low through resistance and electrical function.
- No maintenance: no need to retighten the clamping screw
- Vibration-proof connection: many W-terminals certified for railway use to EN 61373
- Highest contact force of all connection systems

**5 Safe to use**

- Shock protection with connected conductors, even when cross-connected.
- Terminals supplied with open clamping point. In addition, the misplugging safeguard prevents conductors from being inserted incorrectly
- Embossing on clamping yoke and current bar engage so that even the smallest conductors are reliably clamped; large conductors and also 2 conductors are gripped in the middle

**Standards and directives**

The reliable contact and dependability of the Weidmüller systems are verified by:

- Type tests to IEC 60947-7-1/-2/-3
- National and international approvals
- A large portfolio of UL and CSA approvals
- W-Series certified for railway applications (see chapter on stud terminals)
- ATEX approval (see certificate on Weidmüller website)
- All materials checked for conformity with the latest environmental directives and RoHS requirements
- IECEx approved

