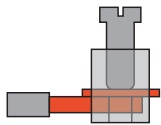


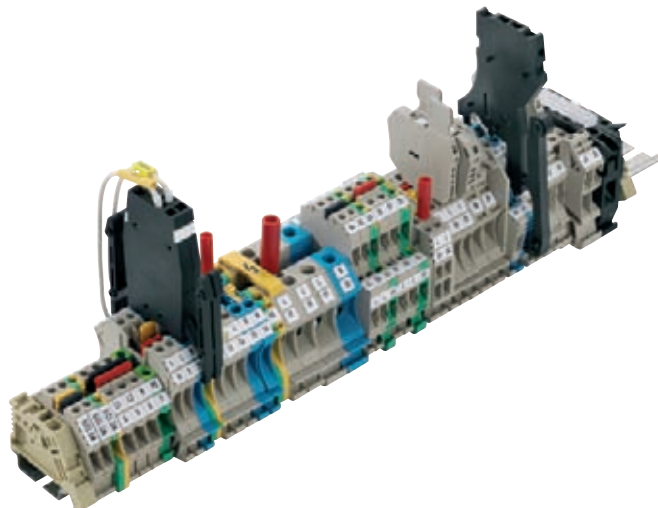
W-Series / Clamping yoke screw connection technology



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 mm² 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.



Versions

W-standard

- Same contour design from 2.5 to 10 mm²
- Conductor sizes from 0.05 to 300 mm²
- Large clamping range



W-compact

- Smaller size
- Identified by an "N" in the type designation
- Conductor sizes from 0.13 to 150 mm²



Product overview

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

1 The connection

Separation of electrical and mechanical function thus providing galvanic isolation.

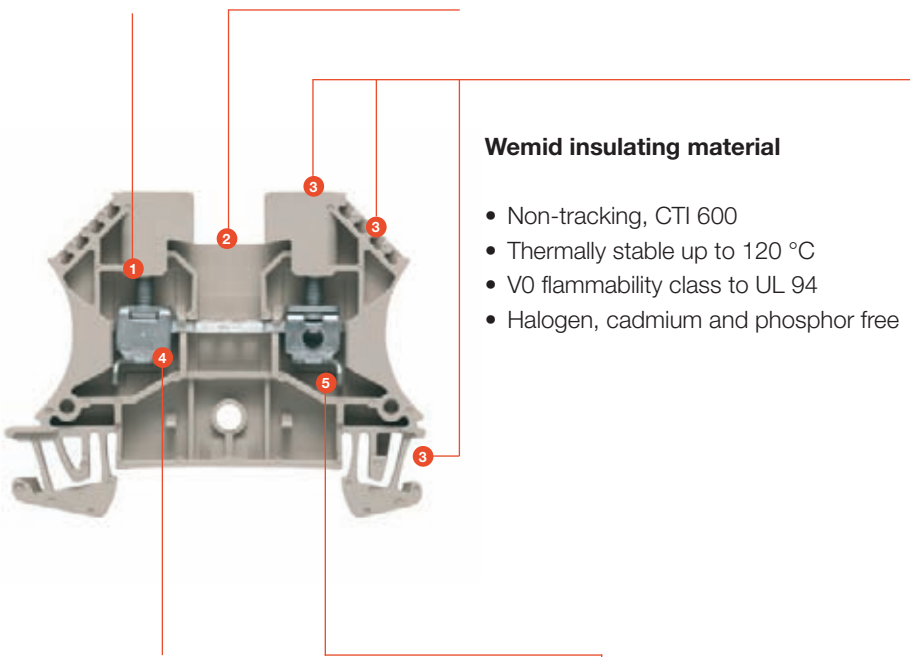
- Hardened steel screw clamp technology.
- Busbar of copper for low through resistance.
Tin-plated surface for minimum contact resistances.

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 mm²
- Minimum number of different accessories = lower costs and better logistics
- Easy planning

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

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

