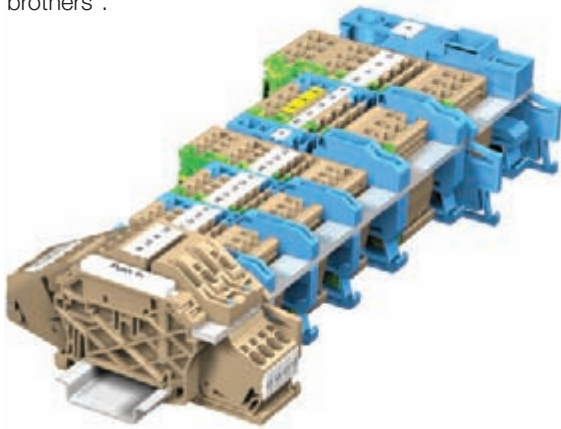


Terminals with direct Push In technology (P-Series)



Sometimes a little means a lot

The P-Series is Weidmüller's new generation of modular terminals distinguished by concise yet uniquely flexible portfolio. The cornerstones of this concept is the "Push In" connection technology which enable a reduction in the terminal variants whilst providing incredible cost savings. What this means is that the three terminal types PDU 2.5/4, PDU 6/10 and PDU 16 can provide you with rational wiring solutions up to 16 mm². In the past you would have needed five different types of terminal. This innovative product concept is the result of targeted detail engineering. With a width of 5.1 mm, the PDU 2.5/4 and PDL 4 types are the same size as an old 2.5 mm² terminal, but are rated at 32 A – previously only possible with a 4 mm² terminal. The data of the other terminals in the range is equally impressive: PDU 6/10 – 8.1 mm and 54 A; PDU 16 – 12 mm and 76 A. The Weidmüller P-Series gives users a range of modular terminals that unites the performance features of their "big brothers" with the compact size of their "little brothers".



Direct Push In technology for direct savings

Among the impressive features of the direct Push In connection system are minimal wiring times and reliable, simple handling. Compared to the 3-conductor tension clamps, the direct Push In system achieves time-savings of up to 50% when connecting the conductor (3.5 s per conductor). The stripped solid conductor is simply pushed into the terminal as far as it will go – that's all there is to it. No tools are required, and the result is a reliable, vibration-resistant, gas-tight connection. Even flexible conductors with crimped wire end ferrules or ultrasonic-welded conductors can be connected without any problems.



Views without cage side wall



Product overview

	P-Series 2.5/4		P-Series 6/10		P-Series 16
Rated cross-sectional area	2.5 mm ²	4 mm ²	6 mm ²	10 mm ²	16 mm ²
Feed-through terminals					
2 connections	•	•	•	•	•
3 connections	•	•	•	•	
4 connections	•	•			
PE terminals					
2 connections	•	•	•	•	•
3 connections	•	•	•	•	
4 connections	•	•			
Supply terminals					
N-conductor terminals	•	•	•	•	•
Double level terminals	•	•			
3-conductor/distributor terminals	•	•			

1 The connection

The compression spring for connecting the conductor is mounted separately on the housing to guarantee galvanic isolation.

- Direct connection of solid conductors.
- Direct connection of flexible conductors with wire end ferrules.

2 Plug-in cross-connections

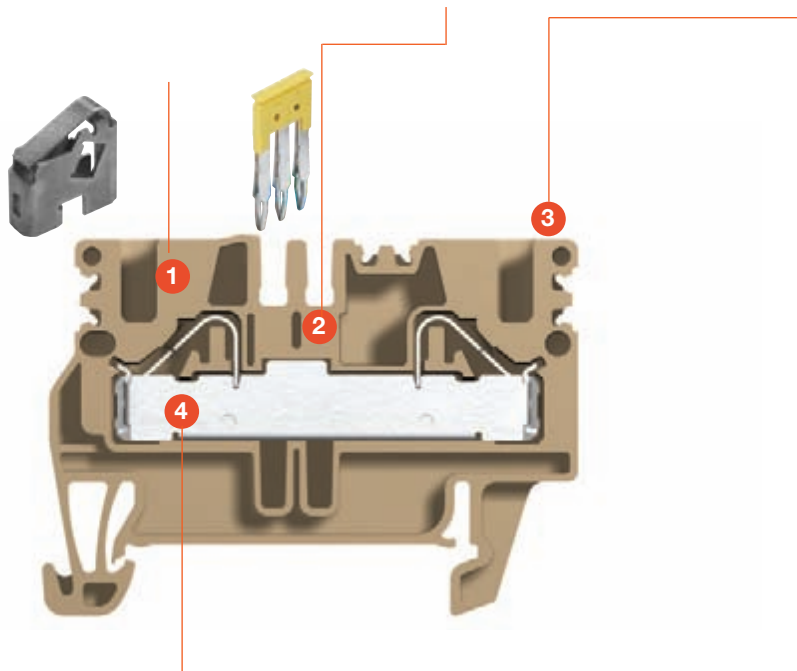
Rapid, straightforward potential distribution with the ZQV plug-in cross-connection.

- 2- to 10-pole, or “endless” cross-connection for custom assemble.
- Full rated current.
- Breakout poles for bypassing other potentials.

3 Easy to use

The simple Push In system for solid and flexible conductors with wire end ferrules speeds up the wiring time considerably.

- No additional tools required.
- Easy to use in confined installations.
- TOP connection (conductor inserted and connection secured in the same direction).



The Wemid insulating material

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

Effective product range

The P-Series is characterised by its high performance and a compact unit range. It is therefore ideal for reducing the number of variations and promotes rational procurement and logistics management.

4 Reliable contact

- A stainless steel spring ensures permanent, secure contact between conductor and current bar; higher pull-out forces are achieved when compared with tension clamp terminals.
- The copper/tin alloy current bar makes a perfect connection with the conductor; this guarantees a very low voltage drop.

Safe to use

The Push In contact has been designed in such a way that incorrect use is impossible in most cases!

- The **spring stop** protects and limits the travel of the spring; this, together with the plastic housing, defines the exact position of the screwdriver.
- The **conductor stop** positions the end of the conductor in the connection space; it supports the compression spring outside the terminal in the case of large bending radii and guarantees the contact with the current bar.

Standards and directives

The excellent reliability of Weidmüller's contacts and systems is confirmed by type testing to IEC 60947-7 and by supplementary tests. In addition, product quality undergoes strict testing in our Quality Assurance department (certified to DIN ISO 9002).