

PCB Connectors

December 2019

PC 6 BUS series connectors

Power distribution made easy

The new PC 6 BUS series of PCB connectors from Phoenix Contact brings simplicity to the table with connectors well-suited for high power levels. Featuring an insulation displacement connection (IDC), the PC 6 BUS series is ideal for connecting commercially available 6 AWG conductors without conductor pretreatment. This allows power to be distributed and delivered from the bus conductor directly to the power electronics module PCB.

A visual indicator element provides permanent feedback on the position of the wire insulation piercing screw, minimizing the potential for errors during wiring. Connector ends caps allow for touch-safe wire termination and voltage insulation.

Features and benefits

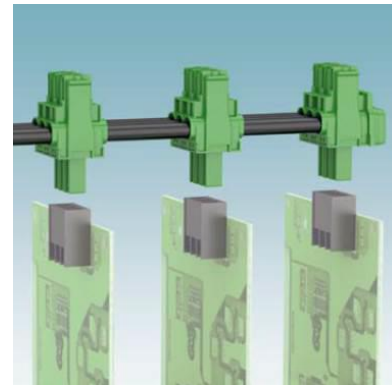
- Design allows for substantial time saving, made possible by wire connection without conductor pretreatment
- Indicator makes the drive screw position easily recognizable
- Increased touch protection, even when not mated
- Can be utilized with LPC 6 lever-actuated PCB connector headers
- End caps provide touch safeness and voltage insulation

Technical data

- Rated up to 30 A and 600 V UL
- 7.62-mm pitch
- 6 AWG





Potential applications

- Frequency converters
- Drives
- Servos
- Battery storage
- DC power distribution systems



DEVICE CONNECTORS

■ PCB Connectors

Part number	Description	# Positions	Product image
1044740	PC 6/ 2-STBUS-7,62	2	
1044738	PC 6/ 3-STBUS-7,62	3	
1044822	EC-PC 6/ 2-STBUS	2	
1044820	EC-PC 6/ 3-STBUS	3	

To learn more about these connectors, and to place a sample request please visit www.phoenixcontact.com/newproducts.