

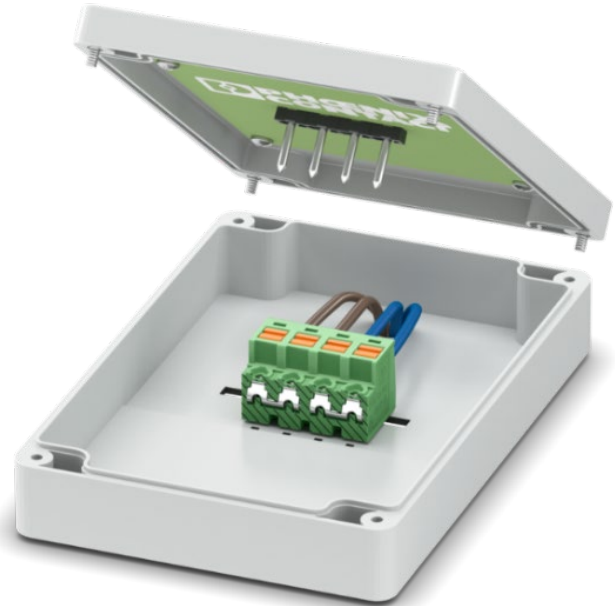
CONNECTIVITY

Device Connectivity (DCO)

July 2026

PTS 1,5/ ..-PH-5,0 CLIP-B

**Internally bridged push-in wire termination
simplifies building automation applications**



WHAT TO KNOW

Within Building Automation, two-component housings are often used, with the electronics in one half and the connections in the other. Examples include room operating panels, emergency exit lights, and smoke detectors. The commercial building market is growing steadily, and the safety technology sector is also growing, due to increased safety awareness and new laws and regulations.

The PTS 1,5/XX-PH-5,0 CLIP-B enables internal bridging between positions, instead of daisy-chaining externally with wires or on the PCB. This new connector has the same benefits as our already established PTS 1,5 CLIP with push-in wire termination and mating with a pin strip header, making it an ideal product for building automation applications.

Nomenclature:

PTS = Print Terminal Spring: Refers to the plug side of the connector

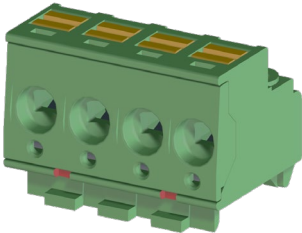
PST = Pin Strip Terminal: Refers to the pin header

FEATURES & BENEFITS:

- Tool-free, time-saving push-in wire terminations
- Defined contact force ensures a long-term, stable connection
- Fast and convenient testing with the integrated test points
- Ideal for power distribution applications between devices in a building application

Persona-based benefits	
PCB designer	Eliminates the need for loop-through via a junction box or PCB
Purchasing	Component and installation costs are reduced with the time savings from more efficient wiring, which decreases labor costs
Installers	Easy and tool-free wiring with spring termination

PORTFOLIO COMPARISON:

			
Product family	*New* PTS 1,5 CLIP-B	PTDA 2,5/...-PH	PTS 1,5 CLIP
Pitch	5 mm	5 mm	5 mm
Current	10 A to device / 16 A daisy chain	13.5 A to device and daisy chain	10 A
Voltage	400 V	400 V	400 V
Cross-section	0.2 ~ 2.5 mm ²	0.2 ~ 2.5 mm ²	0.2 ~ 2.5 mm ²
Compatible with	PST 1,3	PST 1,3	PST 1,3
Clipping	Yes	No	Yes
Bridging	Yes	Yes	No
Height over surface	11.7 mm	16 mm	11.7 mm

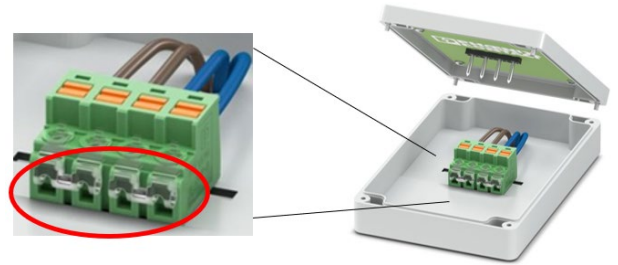
ITEM NUMBER LIST:

PCB connectors 	Corresponding pin headers 
1831879 - PTS 1,5/ 2-PH-5,0 CLIP-B (2 positions)	1933189 (Vertical) - PST 1,3/ 2-5,0 1995635 (Horizontal) - PST 1,3/ 2-H-5,0
1751973 - PTS 1,5/ 4-PH-5,0 CLIP-B (4 positions)	1933202 (Vertical) - PST 1,3/ 4-5,0 1705481 (Horizontal) - PST 1,3/ 4-H-5,0
1831880 - PTS 1,5/ 6-PH-5,0 CLIP-B (6 positions)	1933228 (Vertical) - PST 1,3/ 6-5,0 1705504 (Horizontal) - PST 1,3 6-H-5,0

WHAT TO SAY

Top three value propositions

1. Internally bridged
 - a. Bridged positions allow easy loop-through (see image)
 - b. Loop-through on the PCB is not necessary
 - c. More devices are possible, due to higher current
2. Easy installation
 - a. Products can be snapped into the device housing with simple clip geometry
 - b. Time-saving push-in connection with color-coded actuating push buttons
3. Compact design
 - a. Flat design fits narrow devices
 - b. Provides the largest possible clamping space



Cross-selling

Other PCB terminal blocks and connectors

- a. PTSA for lighting applications
- b. Enclosures
- c. Push-X connectors

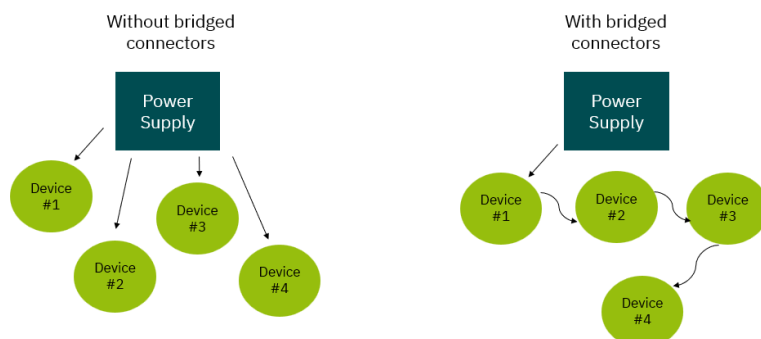


Target market and applications:

Building automation:

- Room operating panels
- Emergency exit lights
- Smoke detectors
- Motion detectors

Simple application diagram:



Competitor information:

Tianli TL205T:

- Internally bridged
- Screw termination; no spring termination option available
- No CLIP feature to be mounted in a housing



WHAT TO SHOW

LANDING PAGE: [PCB connectors | Phoenix Contact](#)

WHAT TO DO

PRODUCT MARKETING CONTACT INFORMATION:

Michelle Brandt | mbrandt@phoenixcontact.com |

Olivia Koicuba | okoicuba@phoenixcontact.com

Joel Boone | jboone@phoenixcontact.com