

podis® 5G16

HIGH CURRENT

Decentralized power bus system for high current loads in industrial applications.



The podis® power bus system is ideal for decentralized power distribution in machines and systems with large dimensions. The power bus portfolio has now been extended to include a new variant for high currents. Significantly higher loads can now be supplied along a TC-ER cable. This means that the main distribution for a conveyor line, for example, can be installed very easily. Supply lines and

main distribution cabinets can mostly be avoided or can be reduced in numbers and decreased in size. The podis® tray cable power bus is suitable for conveyor systems at airports and in warehouses, in logistics centers for parcel & post, and in production facilities for instance in the automotive industry or for supplying manufacturing facilities.

YOUR BENEFIT

- + Efficient**
80% faster installation
- + Flexible**
Expandable anytime & at any place along the cable
- + Reliable**
Permanent high contact quality with non-destructive piercing technology
- + Practical**
Re-usable components



APPLICATIONS

- Airports
- Warehouses
- Logistics centers for parcel & post
- Production facilities
- Manufacturing facilities
- Automotive industry



FEATURES

- 5 core tray cable system
- 16 mm² cable size
- Cores in one plane
- Connecting cable size: up to 16 mm² in the center feed, up to 70 mm² in the end feed
- Current load UL 60 A
- Voltage UL 600 V



ADVANTAGES

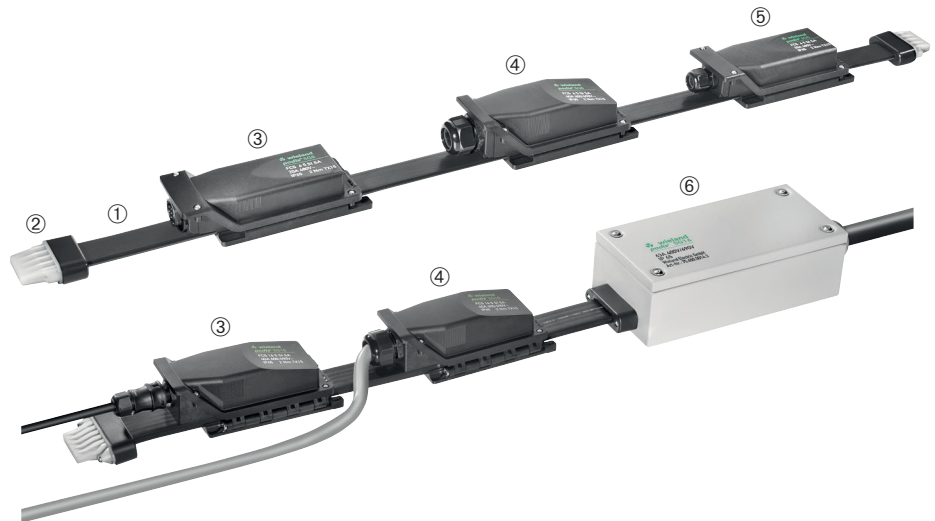
- Higher current
- Higher load
- More drives per segment
- Less feed-in connections and feeder cables
- Less complexity
- Less voltage drop
- Longer cable sections

The connection modules are designed for higher current and higher voltage. At the same load the voltage drop is reduced in installations with very long cable lengths.

The podis® decentralized power distribution system is easy to install, re-configure, and maintain, saving up to 80% of installation time.

Decentralized power means that whole system shutdowns are not necessary for expansions, changes, or faultfinding. The modules themselves can be reused and moved, adding value to your installation over time.

The modular system podis® provides feed-in modules, tap-off modules, distribution modules, disconnecter switches, fixed and pluggable tap-offs, pre-manufactured cable harnesses and a useful range of accessories.



| Description | Type | Part Nr. |
|----------------------------------|--------------------|---------------|
| ① Tray cable | 5G16 XPE | 00.710.0307.1 |
| ② Cable end cap | | Z6.563.6553.0 |
| ③ Tap-Off module pluggable RST | FCS 16 5 SI SA RST | 75.452.0053.1 |
| ④ Feed-In and Tap-Off module M32 | FCS 16 5 SI SA M32 | 75.456.0053.1 |
| ⑤ Tap-Off module M25 | FCS 16 5 SI SA M25 | 75.456.0153.1 |
| ⑥ End Feed-In M50 | FCS 16 5 SA SA M50 | 75.450.0014.3 |
| End Feed-In M63 | FCS 16 5 SA SA M63 | 75.450.0114.3 |



Wieland Electric Inc.
technical.support@wieland-electric.com

Global sales partners in over 70+ countries:
WWW.wieland-americas.com