



podis®

HELLO CHARGING

The system for supplying electricity to EV charging stations.

DECENTRALIZED POWER BUS SYSTEM FOR SUPPLYING EV CHARGING STATIONS.

The podis® power bus system is ideal for distributing energy to EV charging stations. This decentralized energy distribution system allows a large number of charging stations to be connected with just one supply cable. This saves installation time, requires less cable, and considerably reduces the size of the distribution cabinet.

The connection components for the feed or power tap can be installed anywhere on the power bus. The connecting modules can be positioned quickly and flexibly using our patented insulation displacement connection technology. This beneficial feature removes the need for any cutting, dismantling, and stripping.

The feed to the power bus can be placed freely – including in the center, enabling an ideal balance of the load on the power bus. This means that the number of charging stations on a section of flat cable can be increased without overloading the cable.

The modules for the energy tap can be placed anywhere at any time. As a result, extensions are also easy and require no major effort. What is unique is that these tap modules are available for both, fixed and pluggable installation. This provides crucial benefits if a charging station has to be replaced. By pulling and connecting the plugs, the charging station can be replaced in a matter of minutes.

YOUR BENEFITS

+ Time saving

No dismantling or uninsulation necessary

+ Flexible

Because anytime extendable at any point

+ Safe

Permanent high contact quality thanks to the insulation displacement technology



APPLICATIONS

- Charging stations
- Offices, shopping centers, public buildings
- Airports
- Warehouses
- Logistics centers for parcel & post
- Production facilities
- Manufacturing facilities
- Automotive industry



FEATURES

- 5-core tray cable system
- 16 mm² cable size
- CPR class B2ca
- Connecting cable size: up to 16 mm² in the center feed, up to 70 mm² in the end feed
- Current load IEC up to 100 A, free in air
- Voltage resistance: IEC: 690 V, NEC: 600 V



ADVANTAGES

- Minimal installation effort
- For a large number of charging stations per section of cable
- Little cabling required
- Modern appearance
- Quick installation
- Reliable operation

OVERVIEW OF COMPONENTS + ACCESSORIES.

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

CENTER FEED-IN

- feeder cable 5G16 round cable
- max. cable diameter 25 mm
- max. ampacity 63 A



END FEED-IN

- feeder cable 5G35 round cable
- max. cable diameter 31 mm
- max. ampacity 100 A, free in air

COMPONENTS

Description	Model	Art. No.
① Tray cable	5G16 Li2HH	00.770.0307.1
② Cable end cap	podis® 5G16	Z6.563.6553.0
③ Feed-In and Tap-Off module M32	FCS 16 5 SI SA M32	75.456.0053.1
④ End Feed-In M50	FCS 16 5 SA SA M50K	75.450.0214.3

ACCESSORIES



Description	Model	Art. No.
Cable gland	M32x1,5, PA, (for cable 18-25 mm) black	Z5.507.1653.1
Cable gland	M32x1,5, PA, (for cabl 10-21 mm) black	Z5.507.1753.1
Locknut	M32x1,5, PA, black	05.505.0353.1
Cable bracket	podis® CON 5G16, for wall and ceiling mounting, for one fixing point 2 pcs. are required, plastic, black	07.432.8100.0
Mounting clip	podis® CON 5G16, with fixture for installation tube diameter 20 mm; stainless steel V2A	05.601.2419.0
Mounting clip	podis® CON 5G16, stainless steel V2A	05.601.2519.0



Description	Model	Art. No.
Sample case	podis® CON 5G16, with tray cable podis 5G16 XPE; cable end cap podis 5G16; connection module FCS 5 16 M32; connection module FCS 5 16 M32; connection module FCS 5 16 SI SA RST; dismantling knife, accessories and tools	99.785.0000.0
Sample case	podis® CON 5G16, with tray cable podis 5G16 XPE; cable end cap podis 5G16; connection module FCS 5 16 M32; accessories and tools	99.788.0000.0



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HEADQUARTERS

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